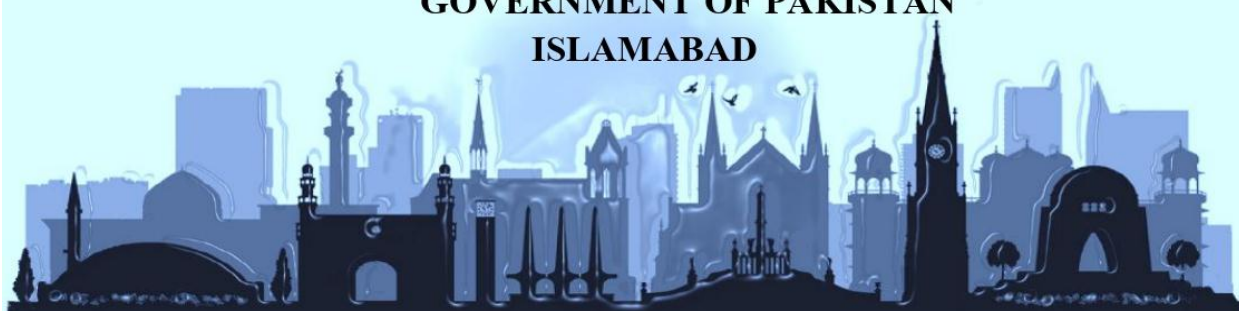




SURVEY ON OTHER PRIVATE SERVICES 2016-17



**PAKISTAN BUREAU OF STATISTICS
MINISTRY OF PLANNING,
DEVELOPMENT & SPECIAL INITIATIVES,
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Foreword

Pakistan Bureau of Statistics (PBS) compiles and publishes macroeconomic indicators on annual basis such as Gross Domestic Product (GDP), Gross National Income (GNI), Per Capita Income, Gross Fixed Capital Formation (GFCF) and Expenditure on GDP with the base year 2005-06. In order to re-assess the contribution of various industries towards national GDP owing to structural changes in the economy and various macroeconomic dynamics in national and international horizons, PBS has initiated a set of censuses/surveys/studies as part of the change of base of national accounts from 2005-06 to 2015-16. The survey in hand titled “Other Private Services” is one of these.

The other private services industry comprises of various distinct activities such as information i.e. computer-related activities, professional, scientific and technical activities, administrative and support service activities, education, human health, and social work activities, arts, entertainment and recreation, other service activities and activities of households as employers. PBS has completed a gigantic task by completing the survey on other private services through a combination of survey and census activities with 2016-17 as the reference period.

This report contains information on important indicators relating to education, health, accommodation & food service and other service activities carried out in the private sector. The primary objective of the report is to provide a benchmark for the change of base of national accounts of Pakistan. However, other stakeholders such as academicians, researchers, and policymakers, can also benefit from the report.

The task of completing the report on other private services has been performed by a team lead by S. Ejaz Wasti, Member-National Accounts. I hope this report will be useful for various stakeholders. Suggestions for improvement are warmly welcomed.

DR. NAEEM UZ ZAFAR
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(August 2023)

Genesis of the Report

Report of the Survey on Other Private Services 2016-17 owes to dedicated and untiring efforts of the following staff of Pakistan Bureau of Statistics (PBS):

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Preface

The survey on “Other Private Services” is one of the studies/surveys being undertaken as part of the Change of Base of National Accounts (CBNA) project. The objective of the CBNA project is to provide necessary information for the change of base of national accounts of Pakistan from 2005-06 to 2015-16. The current contribution of other private services industry in the GDP of Pakistan stands at 11.0 percent. In this study, an effort has been made to have re-assess the contribution of other private services industry by engaging establishments directly. In addition to the survey part, the contribution of big establishments engaged in important activities such as education, health, accommodation & food service, and publishing activities has also been estimated through the census part.

In the national income accounting framework, the availability of information with respect to International Standard Industrial Classifications (ISIC) Rev.4 adopted in Pakistan through Pakistan Standard Industrial Classification (PSIC-2010) and Central Product Classification (CPC) version 2 is important for compilation of Supply & Use Tables, Input/ Output Tables, and Social Accounting Matrix. The report in hand provides information on output and inputs of other service activities with respect to both products as well as industries.

The information on seasonality and informality has also been collected and compiled for the first time in Pakistan. The current publication also incorporates the detail by type of industry, type of organization, number of persons engaged, employment cost, income/ turnover, inputs/ intermediate consumption, gross fixed capital formation and gross value added of other service industries in Pakistan. All possible details have been documented in order to facilitate the users of the report. I hope this document will be useful for the users of the national accounts statistics in general and users of the other private service industry in particular.

The completion of the report is the result of coordinated efforts of PBS staff in the National Accounts Wing, PSLM/HIES Section, Sample Design and Data Processing Centre of the PBS. Continuous support from the Field Services Section of the PBS and its Regional/Field offices has enabled us to come up with this unique document for the first time. Suggestions for improvement are welcome.

S. EJAZ WASTI
Member, National Accounts
Pakistan Bureau of Statistics
(August 2023)

Acknowledgement

This document is the brainchild of the internal conversation between officers of the National Accounts Wing thinking to unfold the economic activities covered in the national economy under the heading of “Other Private Services” and explaining the methodology and data collection scheme for the researchers and policy makers. By the grace of Allah this task has been completed successfully and this report is a reflection of the tireless efforts of officers and officials of National Accounts Wing of Pakistan Bureau of Statistics. Conceiving and planning a survey which contains a wide variety of economic activities was challenging keeping in view the limited resources and field force. Fact of the matter is that this document is an excellent example of wholehearted support of the sample design section, PSLM Section, DP Center and the Field Services Section of the PBS. The officers and staff of these sections worked day in and day out to complete this survey in addition to their routine official work.

I am indebted to Mrs. Rabia Awan, DDG (PSLM/Sample Design) PBS who was open to any and every idea National Accounts had. Her team comprising of Mr. Muhammad Suhaib, Director (PSLM), Mr. Saqib Sultan Khawar, SO, Mr. Tariq Mustafa Awan, SO, Ms. Sana Habib Choudhry, SO and Statistical Assistants of PSLM performed the task of editing, coding and tabulation in close coordination with the National Accounts team. Special gratitude to Mr. Munawar Ali Ghangro, Director (Field Services) PBS and his team who worked innovatively with National Accounts and managed to complete the data collection activity through team approach by involving female staff of the regional and field offices. Without his support we would not have been able to collect quality data. I am also grateful to Dr. Bahrawar Jan, DDG, Mr. Fazil Baig, DDG, Mr. Mazhar Hussain, SO, Mr. Sher Ali, SO, Mr. Badshah Hayat, SO, Ms. Rabia Nisar, SA, Mr. Javed Iqbal, Steno Typist and Mr. Naeem Iqbal, LDC who worked dedicatedly to compile this report along with their routine work. In fact these officers and their staff were the real team to complete the gigantic task of compilation of “Other Private Services”. The support rendered by the IT team lead by Mr. Azizullah Bhatti, Director and Ms. Sobia Munawar, Director also needs special appreciation for providing us an environment with all technical facilities. Dr. Liaqat Ali, CSO who was coordinator of this survey, understood everything which National Accounts was trying to accomplish from day one. His efforts in compilation and designing of this report need special thanks.

The patronage of Dr. Naeem uz Zafar, Chief Statistician, PBS enabled us to publish this report. Able guidance of Syed Ejaz Wasti, Member-National Accounts enabled the national accounts staff to work as a team and bring out their best. In the end, I would like to say that this document will act as a guidance document for surveys to be conducted for the next rebasing.

ATTIQ-UR-REHMAN
Deputy Director General
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(August, 2023)

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List of Abbreviations

| | |
|-------------|---|
| AJK | Azad Jammu & Kashmir |
| CFC | Consumption of Fixed Capital |
| CPC | Central Product Classification |
| DBMS | Database Management System |
| FATA | Federally Administered Tribal Area |
| GB | Gilgit-Baltistan |
| GDP | Gross Domestic Product |
| GFCE | Gross Fixed Capital Formation |
| GFCE | Gross Fixed Capital Formation |
| GST | General Sales Tax |
| GVA | Gross Value Added |
| HBL | Habib Bank Limited |
| ICT | Information, Communication, and Telecommunication |
| IPPs | Intellectual Property Products |
| ISIC | International Standard Industrial Classification |
| KP | Khyber Pakhtunkhwa |
| OPD | Out Patient Department |
| OPS | Other private services |
| PBS | Pakistan Bureau of Statistics |
| PHA | Pakistan Hotels Association |
| PPS | Probability Proportional to Size |
| PSE | Pakistan Stock Exchange |
| PSIC | Pakistan Standard Industrial Classification |
| PSUs | Primary Sampling Units |
| PTCL | Pakistan Telecommunication Corporation Limited |
| PTDC | Pakistan Tourism Development Corporation |
| SNA | System of National Accounts |
| SRS | Simple Random Sampling |
| UBL | United Bank Limited |
| VAT | Value Added Tax |

Chapter 1

1.1 Introduction

The economy of Pakistan is divided into three major sectors i.e. agriculture, industry, and services with shares of 19.84%, 20.90%, and 59.26% respectively as per published figures for 2015-16 on 2005-06 base. The services sector is further divided into six components i.e. i) Wholesale & Retail trade with share of 18.86%, ii) Transport, Storage & Communication (12.89%), iii) Finance & Insurance (3.5%), iv) Housing Services (6.59%), v) General Government Services (8.35%) and vi) Other Private Services (11.01%). According to the Pakistan Standard Industrial Classification (PSIC)-2010, other private services (OPS) industry is comprised of various distinct activities such as information i.e. computer-related activities, professional, scientific and technical activities, administrative and support service activities, education, human health and social work activities, arts, entertainment and recreation, other service activities(washing, dry-cleaning, hairdressing, pet caring, shoe shining, etc.) and activities of households as employers(domestic staff). Computer-related activities and professional, scientific and technical activities have been covered separately and are not part of this report. In addition to these, repair of motor vehicles and motorcycles, accommodation and food service activities, publishing activities and activities of real estate agents have also been covered.

In survey part, data has been collected for most of the activities through the OPS module, a separate data collection arrangement for the industry leaders (big establishments) were also made for some of the activities as census part such as education, health, accommodation & food service, and publishing activities. The results of OPS and census parts have been aggregated at the 5-digits level of the PSIC for the aforementioned activities.

1.2 Objectives of the Survey

The OPS Survey has been conducted by the Pakistan Bureau of Statistics (PBS) in both urban and rural areas of the country with the following objectives:-

- i) To structural changes in other private services being undertaken in the private sector for the change of base of national accounts from 2005-06 to 2015-16
- ii) To provide data for the OPS Industry on type of ownership, major activities, and seasonality.
- iii) To compile estimates of employment and employment cost at the 5-digit level of the PSIC-2010
- iv) To compile estimates of gross output at basic prices by PSIC 2010 and Central Product Classification (CPC)
- v) To compile estimates of intermediate consumption at purchasers prices by PSIC 2010 and CPC
- vi) To compile gross value added estimates at basic prices by PSIC 2010
- vii) To compile estimates of taxes and depreciation by PSIC 2010
- viii) To develop the estimates of Gross Fixed Capital Formation (GFCF) for the base year.
- ix) To enhance the coverage and scope of the OPS industry by the inclusion of new activities and estimate the structural changes.

- x) To re-assess the contribution of the services industry in the private sector in the national economy in terms of Gross Domestic Product (GDP) /investment & employment.
- xi) To provide benchmark data to help the planners in policy decision making and future development planning.

1.3 Scope and coverage

1.3.1 Geographical Scope

The survey has been conducted in the selected areas of urban and rural areas of the four provinces of Pakistan. However, Azad Jammu & Kashmir (AJK), Gilgit-Baltistan (GB) and FATA are excluded from the scope of the survey. Enumeration of establishments has not been undertaken in the military restricted areas and other prohibited places.

1.3.2 Coverage by industries

In the OPS Survey, establishments located in the selected blocks and engaged in the following activities have been covered:-

- 45-Repair of motor vehicles and motorcycles
- 55-Accommodation
- 56-Food and beverage service activities
- 58-Publishing activities
- 68-Real estate activities
- 77-Rental and leasing activities
- 78-Employment activities
- 80-Security and investigation activities
- 82-Office administrative, office support and other business support activities
- 85-Education
- 86-Human health activities
- 87-Residential care activities
- 88-Social work activities without accommodation
- 90-Creative, arts and entertainment activities
- 93-Sports activities and amusement and recreation activities
- 95-Repair of computers and personal and household goods
- 96-Other personal service activities

The aforementioned activities have been divided into four distinct groups with separate questionnaires for coverage purpose as per detail follows:-

| S.No | Survey Name | Activities to be covered |
|------|--|---|
| 01 | Survey on Accommodation and Food Service Activities (Hotels & Restaurants) | 55-Accommodation 56-Food and beverage service activities |
| 02 | Survey on Other Private Services: Education | 85-Education |
| 03 | Survey on Other Private Services: Human Health and Social Work | 86-Human health activities 87-Residential care activities 88-Social work activities without accommodation |
| 04 | Survey on Other Private Services: Others | 45-Repair of motor vehicles and motorcycles 58-Publishing activities 68-Real estate activities 77-Rental and leasing activities 78-Employment activities 80-Security and investigation activities 82-Office administrative, office support and other business support activities 90-Creative, arts and entertainment activities 93-Sports activities and amusement and recreation activities 95-Repair of computers and personal and household goods 96-Other personal service activities |

1.4 Reference Period

Keeping in view the nature of activities and convenience of respondents, the reference period for various activities covered in the survey is varied as per detail follows:-

| S.No | Name of activities | Reference Period |
|------|--|---|
| 01 | Survey on Accommodation and Food Service Activities (Hotels & Restaurants) | Preferably Financial Year 2016-17. However, if the respondent is not in a position to give figures for the whole year than information of the last working month may be obtained. |
| 02 | Survey on Other Private Services: Education | Financial Year 2016-17 |
| 03 | Survey on Other Private Services: Human Health and Social Work | Financial Year 2016-17 |
| 04 | Survey on Other Private Services: Others | Last month |

1.5 Field Operation

Most of the data were collected from the establishments on a specially designed questionnaire through enumerators by interview method. The management of each establishment was interviewed by trained and experienced enumerators of PBS under the supervision of senior officers. However, in order to improve the coverage under census parts, some data were also extracted from the annual reports of major establishments.

1.6 Data Processing

Filled-in questionnaires received from the Regional/Field Offices were subjected to thorough scrutiny according to the prescribed procedure to remove internal and external inconsistencies. Each questionnaire was assigned a unique processing code. Major parts of the questionnaires were pre-coded for computer processing. Computer edit checks were also developed to remove data entry errors and to ensure data consistency. After the removal of inconsistencies and making the necessary corrections and coding of the filled-in questionnaires, the data was processed and tables were produced as per requirement.

Chapter 2 : Concepts and definitions

2.1 Establishment

The unit of data collection in the OPS Survey is “Establishment”, not the household. According to System of National Accounts (SNA) 2008 (Para 5.2), an establishment is an enterprise or part of an enterprise, that is situated in a single location and in which only a single productive activity is carried out or in which the principal productive activity accounts for most of the value added. The separate questionnaires were filled for each establishment engaged in accommodation and food service, education, health & social work, and other service activities. Establishments engaged in a similar kind of activity form the industry, which is used to divide the economy.

2.2 Type of organizations

Types of the organization include individual ownership, partnership, private limited company, public limited company, cooperatives, and others. These types are briefly described below:-

Individual Proprietorship

Refers to the business owned, funded and managed by one person who is the owner concerned. The business is purely for profit. The owner has the ultimate right for the business and business liability is unlimited

Partnership

Partnership refers to the group of individuals who agree to conduct business through an agreed contract based on the capital contribution which has been specified in the relevant agreement with the objective of making a profit. The business is managed by all or anyone acting for all parties. The liability for the business partnership is unlimited.

Private Limited Company

A private company established to undertake a business with the objective of making a profit. The shares are closely held by the shareholders of the company who have control over its operation. It is the establishment when a partnership business expands beyond the capacity of partners to bear the losses, they can limit their liability by getting themselves registered as a private limited company. Ownership of the private limited company is usually just a few people. These are commonly smaller businesses. Their shares are not traded on the stock exchange. Their accounts don't need to be audited, and their financial statements are private

According to the Securities and Exchange Commission of Pakistan, a private limited company has the following characteristics:

- At least 2 members and 2 directors
- Maximum 50 members
- Restriction on transfer of shares (As per Articles)
- Restriction on raising funds from the public

Public Limited Company

A public limited company is a company established, with limited liability, by a minimum of two persons to operate the business with the objective of making a profit. The shares in a public limited company are openly held and in the case of a company listed on the stock exchange, the

shares are freely transferable. In a public limited company, ownership rights (Shares) are traded on the stock exchange. Anyone can have partial ownership of the company i.e. PTCL, HBL, UBL, etc. Their accounts need to be audited and are of public information. Public limited companies have the following characteristics:

- i. Regulated under the Companies Act and is a legal entity separate from the owner;
- ii. Owned by the shareholders and there is no limit to the shareholder;
- iii. Management of the company is under the board of director responsibilities as appointed by shareholders; and
- iv. Listed on Pakistan Stock Exchange (PSE).

Cooperatives

According to Business Dictionary, a cooperative is a firm owned, controlled, and operated by a group of users for their own benefit. Each member contributes equity capital, and shares in the control of the firm on the basis of one-member, one-vote principle (and not in proportion to his or her equity contribution). It is also defined as a business or organization run by the people who work for it or owned by the people who use it. These people share their benefits and profits. It is a voluntary association of unrestricted members, funds of which are collectively owned and which is organized with the object to cater to the needs of its members through mutual cooperation and registered with the Registrar of Cooperative Societies under the Cooperative Societies Act.

Others

All other categories of the organization not elsewhere classified have been included under this category e.g. trusts, private non-profit making organizations, etc.

2.3 Employment and Employment Cost

2.3.1 Employment size/ type of employees

It includes the number of persons engaged by the establishments during the reference period i.e. 2016-17. Information is collected separately for male and female workers by type i.e. working proprietors, unpaid family workers, and other workers not specified in these categories. The number of persons engaged during the year has been taken as per payroll on the last working day of the year for non-seasonal establishments and as per payroll on the last working day of the operational activity if the establishment is seasonally operated. Different types of employees are described as under:-

Working proprietors

Working proprietors include all individual proprietors and partners (part-time or full-time) who are actively engaged in the work of the establishment. Sleeping partners and inactive members of the proprietor's family are excluded unless they participate in the control and management of the business. This category is not applicable to limited companies or public corporations, the ownership of which is represented by equity shares.

Unpaid family workers

Unpaid family workers include all family members (full-time or part-time) of any of the owners of the establishment who during the specified period worked a minimum of one-third of the normal working time but did not receive any payment, neither in cash nor in kind for the work done. These workers definitely received food, shelter and other support as part of the household of the owner whether they work in the establishment or not.

Managers

Managers are defined as those who decide or participate in formulating the policy of the organization, plan, organize and direct the interpretation and execution of policies. They are responsible for their organization as a whole or for one or more departments of an organization usually within guidelines set by the board of directors or governing body where they should be responsible for the operations carried out and the results obtained.

Sales Staff, Front Office Staff, Chefs/Cooks, Room Service Staff, Waiters / Butlers

The information on other categories of staff commonly employed in accommodation and food service establishments such as sales staff, front office staff, chefs/cooks, room service staff, waiters/butlers have also been included in the study.

Other employees

Other employees include persons engaged in the provision of service activities but not included in the aforementioned categories.

2.3.2 Employment cost

Employment cost includes wages and salaries, other cash payments and payments in kind to the workers. These are defined as under:-

Wages & salaries in cash

Wages & salaries in cash include payments made to employees as remuneration for their work in cash. It also includes dearness allowance and payments for leave etc.

Other cash benefits

Under this category, items like group insurance, social security contributions, pension contributions and provident fund contributions made by the employer are included. It also includes bonuses, additional payments in respect of vacation period and profit-sharing bonuses paid by the employer to employees.

Payment in kind

It includes goods and services provided to employees free of cost. These include rent-free accommodation, medical and transport facilities.

2.4 Inputs/Intermediate Consumption

Inputs mean the value of goods and services used up in the production process by households/establishments to produce the output. They are valued at Purchaser's price. Purchaser's price is the amount paid by the purchaser excluding any VAT or similar tax-

deductible by the purchaser in order to take the delivery of a unit of a good or service at the time and place required by the purchaser's. The most common items in the inputs include:-

- Food including groceries such as bread and cereals, rice, meat (beef, mutton, chicken), fish, oils and fats, vegetables, fruit and nuts, sugar, dairy products, pulses, beverages and all other food including grocery.
- Expenditures incurred on crockery, uniforms, bed sheets, towels, soap, etc.
- Accounting, secretarial and audit fees
- Payment for security services,
- Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.),
- Payment for current repair and maintenance work done by others on this establishment's fixed assets,
- Entertainment, electricity, gas, water & transportation charges
- Rent of Building
- Fuel and Lubricants
- Telephone/Fax/Telegraph/ Internet
- Postage/Courier
- Stationery and office supplies
- Travel Expenses
- Non-life Insurance Premium and Interest payments
- Legal and Professional Expenses
- Advertising and promotion expenses
- Other expenditures not elsewhere classified.

2.5 Depreciation

Depreciation is a reduction in the value of an asset over time, due in particular to wear and tear. In national accounts, the term consumption of fixed capital (CFC) is used. According to 2008 SNA (6.240) *“Consumption of fixed capital is the “decline, during the course of the accounting period, in the current value of the stock of fixed assets owned and used by a producer as a result of physical deterioration, normal obsolescence or normal accidental damage”.*

2.6 Output/Revenue

Output means the value of goods and services produced by an establishment including primary (major activity) and secondary (other activity). The output (goods and services) produced for sale is valued at basic prices. It excludes any transport charges invoiced separately by the producer. The value of output should exclude the amount of General Sales Tax paid which is a kind of VAT and is ultimately charged in full to the final purchaser.

2.7 Gross Fixed Capital Formation

Gross fixed capital formation (GFCF) is measured by the total value of a producer's acquisition, less disposal of fixed assets during the accounting year plus certain additions to the value of non-produced assets realized by productive activities of resident producers. It refers to the value of purchases (acquisitions) and own-account construction of fixed assets plus additions and alterations cost and major improvements that extend their normal life or raise their productivity minus sale proceeds realized from disposal of fixed assets.

In the national income accounting framework, GFCF is defined as the acquisition of fixed assets (new/existing) plus addition/alteration and major improvements minus sale proceeds from the disposal of fixed assets plus own-account capital formation (fixed assets produced for own use). The detail of fixed assets covered in the GFCF is as under:-

Dwellings (Residential building)

The dwellings are buildings or designated parts of buildings that are used entirely or primarily as residences including any associated structures such as garages and all permanent fixtures customarily installed in residence. The value of the residential building's acquisition /addition /alteration also includes the cost of major repairs and the transfer cost of the asset.

Other buildings and Structures

It comprises buildings other than dwellings (non-residential buildings) and other structures and land improvements.

Buildings other than dwellings (Non-residential Buildings)

This item includes the whole building or parts of the building not designated as dwellings such as non-residential buildings including warehouses, industrial buildings, commercial buildings, hotels restaurants, schools, hospitals, etc. The value of non-residential buildings purchased or sold during the year including the cost of major improvements and transfers has been reported here.

Other structures

Other structures include structures other than buildings. The infrastructural work such as roads, streets, highways, bridges, pipelines, communication and power lines, ancillary work, construction for mining and manufacture, etc. has been reported under this category.

Land improvement and cost of the transfer

This item includes expenditures incurred on improvements or developments made by the establishment on the land purchased/owned by it. The land improvement covers activities such as land clearance, land contouring creation of well and watering hole, etc. The cost of ownership transfer on all land is also included in this category.

Machinery & Equipment

It includes transport equipment, machinery for information, communication and telecommunication (ICT) equipment, furniture and fixtures and other machinery and equipment. The assets acquired on financial lease are also included in the respective category.

Transport equipment

The transport equipment consists of equipment for moving people and objects such as motor vehicles,(vans, buses, trucks), motorcycles, trailers, aircraft, railway, ships and bicycles acquired and disposed-off during the year.

Information, communication, and telecommunications (ICT) equipment

It consists of devices using electronic controls and also the electronic components forming part of these devices. Examples are hardware & software (computers, printers, scanners, and software), and mostly telecommunication equipment.

Furniture and fixture

The furniture is actually part of other machinery and equipment as per SNA 2008. The data have been asked separately for it. It includes all furniture and fixture items such as chairs metal/wooden, tables, almirahs, air conditioners, electric fans, electric heaters, and refrigerators, etc. used for office purposes.

Other machinery and equipment

It consists of machinery and equipment not elsewhere classified. Examples include products other than parts and items identified in other categories of fixed capital formation included in CPC 2.0 divisions 43-general purpose machinery, 44-special purpose machinery, 45-office accounting and computing equipment, 46-electrical machinery and apparatus, 47-radio, television and communication equipment and apparatus and 48-medical appliances, precision, and optical instruments, watches and clock, musical instruments, sports goods, steam generators, etc. covered under electrical machinery and apparatus.

Intellectual property products

The intellectual property products (IPPs) are the results of research and development, mineral exploration and evaluation, computer software and databases and entertainment, literary or artistic originals. They are characterized by the fact that most of their value is attributable to intellectual endeavor. Intellectual property products are the results of research, development, investigation or innovation leading to knowledge that the developers can market or use to their own benefit in production because the use of knowledge is restricted by means of legal or other protection.

Research and Development

The research and (experimental) development consists of the value of expenditures on creative work undertaken on a systematic basis in order to increase the stock of knowledge, including knowledge of man, culture and society and use of this stock of knowledge to devise new applications. This does not extend to including human capital as assets.

Computer Software and Databases

Computer software and databases are grouped together because a computerized database cannot be developed independently of a database management system (DBMS) which is itself computer software.

Computer Software

Computer Software consists of computer programs, program descriptions and supporting materials for both systems and applications software. It includes the initial development and subsequent extensions of software as well as the acquisition of copies. The software purchased on the market may be valued at the purchaser's price while software developed in the house may be estimated at basic prices or at its cost of production.

Databases

It consists of files of data organized in such a way as to permit resource-effective access and use of the data. The database may be developed exclusively for own use or for sale as an entity or for sale by means of a license to access the information contained. The standard conditions apply for when an own user database, a purchased database or the license to access a database constitutes an asset. The creation of the database will generally have to be estimated by the sum of costs approach. The database for sale should be valued at market price which includes the value of the information content.

Other intellectual property products

The other intellectual property products include any such products that constitute fixed assets but are not captured in one of the specific items above.

Chapter 3 : Sampling

3.1 Introduction

The main objective of the OPS survey was to cover the establishments operating in the private sector and engaged in education, human health & social work, hotel and restaurants and other services. As the newly updated frame from Sixth Population and Housing Census contains information about households & population only and no information regarding other characteristics of blocks, therefore, for the estimation of sample size, it was decided to merge the previous frame, which was updated through the Economic Census or Updation of Urban area frame in 2013 and also being used for conducting a census and contains information regarding establishments, with the new frame. The two frames were merged and disaggregated into two categories i.e. blocks with information and blocks without information.

A summary of the number of blocks with and without information about establishments in rural and urban areas after merging of both the frames is presented in the following:-

Table 3.1: Summary of blocks with and without information about establishments

| Number of blocks having establishment related information | | | | |
|--|-------------------------|--------------|--------------|--------------|
| Stratum I | Provinces | Urban | Rural | Total |
| | Khyber Pakhtunkhwa (KP) | 3117 | 7224 | 10341 |
| | Punjab | 20557 | 24319 | 44876 |
| | Sindh | 14639 | 11314 | 25953 |
| | Balochistan | 1384 | 654 | 2038 |
| | Grand Total | 39697 | 43511 | 83208 |
| Number of blocks having no information related to establishments | | | | |
| Stratum II & III | Provinces | Urban | Rural | Total |
| | KP | 104 | 11132 | 11236 |
| | Punjab | 7128 | 36516 | 43644 |
| | Sindh | 7277 | 5909 | 13186 |
| | Balochistan | 442 | 7732 | 8174 |
| | Grand Total | 14951 | 61289 | 76240 |

3.2 Sample Size Estimation

The methodology adopted to estimate the sample size is as follows.

The sample is representative at the national level as the prevalence of establishment, from the previous survey i.e. Survey of Social, Recreational, Community and Personal Services, Real Estate Activities and Renting of Machinery/Equipment 2007-08 conducted for rebasing of National Accounts from 1999-2000 to 2005-06, has been used for estimation of sample size. The following table shows the adjusted sample according to their proportion of coverage from the previous survey.

Table 3.2: Sample Size Estimation

| Province | Total PSUs with information | Total # of Establishments in PSUs | Prop Blocks | Proportion of Establishments | Adjusted Sample Establishments | Coverage in 2005-06 survey | Sample Adjusted PSUs |
|--------------------|-----------------------------|-----------------------------------|-------------|------------------------------|--------------------------------|----------------------------|----------------------|
| KP | 10341 | 98810 | 12% | 12% | 6000 | 16.14 | 625 |
| Punjab | 44876 | 519401 | 54% | 63% | 16000 | 66.21 | 1677 |
| Sindh | 25953 | 183325 | 31% | 22% | 8000 | 16.49 | 900 |
| Balochistan | 2038 | 18913 | 2% | 2% | 2800 | 1.16 | 312 |
| Grand Total | 83208 | 820449 | 100% | 100% | 32800 | | 3514 |

3.3 Allocation of sample

For the selection of blocks, three strata were made as follows

- **Stratum I** Blocks with information of establishment.
- **Stratum II** Blocks with information but reported zero establishments for all the categories.
- **Stratum III** Blocks with no information

The information regarding each stratum in the frame is summarized in the following:-

Table 3.3: Allocation of Sample by Strata

| | Stratum I PSUs with information regarding establishments | Stratum II PSUs with information but "0" reported establishments | Stratum III PSUs with no information regarding the establishment | Total # of blocks |
|------------------|--|--|--|--------------------------|
| Urban | 36268 | 3429 | 14951 | 54648 |
| Rural | 33726 | 9785 | 61289 | 104800 |
| Pakistan* | 69994 | 13214 | 76240 | 159448 |

* AJK, GB, and FATA are excluded

It is important to note the allocation of sample size is also based on the proportion of establishment in urban i.e. 52% and rural i.e. 48%, found in the survey conducted for 2005-06 of national accounts. Further, the allocation between the strata is based on the proportion of the number of establishments within the strata available in the frame. The proportional allocation of PSUs with respect to the availability of information regarding establishments at national and provincial levels for the OPS Survey 2016-17 is presented in Table 3.4.

As evident from the table, a sample of 3514 blocks has been fixed for the OPS Survey 2016-17 out of which 1841 blocks i.e. 52.4% belonged to urban areas and the remaining 1673 blocks i.e. 47.6% were in rural areas. Out of 3514 blocks, 30 were dropped due to the law and order situation. Hence, data collection had to be arranged from 3484 blocks. However, as a result of field operation, conducted by various regional and field offices of the PBS, 515 blocks were found to have no establishment engaged in any of the activities being captured under the survey.

Table 3.4: Allocation of PSUs at National and Provincial Level

| Pakistan | | | | |
|--------------------|--|---|--|-------------|
| Provinces | PSUs with information regarding establishments | PSUs with information but “0” reported establishments | PSUs with no information regarding the establishment | Total |
| KP | 303 | 77 | 245 | 625 |
| Punjab | 738 | 232 | 707 | 1677 |
| Sindh | 444 | 153 | 303 | 900 |
| Balochistan | 122 | 60 | 130 | 312 |
| Grand Total | 1607 | 522 | 1385 | 3514 |
| Urban areas | | | | |
| KP | 125 | 45 | 80 | 250 |
| Punjab | 384 | 100 | 375 | 859 |
| Sindh | 293 | 80 | 167 | 540 |
| Balochistan | 82 | 40 | 70 | 192 |
| Grand Total | 884 | 265 | 692 | 1841 |
| Rural areas | | | | |
| KP | 178 | 32 | 165 | 375 |
| Punjab | 354 | 132 | 332 | 818 |
| Sindh | 151 | 73 | 136 | 360 |
| Balochistan | 40 | 20 | 60 | 120 |
| Grand Total | 723 | 257 | 693 | 1673 |

3.4 Selection of blocks from the stratum

The procedure for selecting the blocks from stratum is outlined in the following:-

- All enumeration blocks of **substratum-I** have been selected by Probability Proportional to size (PPS) method by taking the sum of establishments engaged in the private sector in activities including education, health, hotel & restaurant, and other services as a **measure of size**.
- All enumeration blocks of **substratum-II & III** have been selected by the Simple Random Sampling (SRS) method.

3.5 Calculation of Sampling Weights

The major component of the sampling weight is the reciprocal of the sampling probabilities employed in selecting the number of sample households in that particular sampling stratum (h) and PSU (i):

$$W_{hi} = \frac{1}{f_{hi}}$$

The term f_{hi} , the sampling fraction for the i-th sample PSU in the h-th stratum, and defined as the product of the probabilities of selection at every stage in each sampling stratum:

$$f_{hi} = p_{1hi} \times p_{2hi}$$

Where p_{shi} is the probability of selection of the sampling unit at stage s for the i -th sample PSU in the h -th sampling stratum. Based on the sample design, these probabilities were calculated as follows:

First Stage weights

For sub-stratum I

$$p_{1hi} = \frac{n_h \times M_{hi}}{M_h}$$

n_h = number of sample PSUs selected in stratum/sub-stratum h

M_{hi} = number of establishments (of all categories) in the frame for the i -th sample PSU in stratum/sub-stratum h

M_h = total number of establishments (of all categories in the frame for stratum/sub-stratum h)

For sub-stratum II & III

$$p_{1hi} = \frac{n_h}{M_h}$$

n_h = number of sample PSUs selected in stratum/sub-stratum h

M_h = total number of blocks in the frame for stratum/sub-stratum h

Second Stage weights

$$p_{2hi} = \frac{m_{hi}}{M'_{hi}} \quad (\text{each category separately})$$

m_{hi} = take of twenty-five (25) establishments from each PSU (For code-4 other establishments it may be more than 25)

M'_{hi} = number of establishments listed in the i -th sample PSU in sub-stratum h

For example if

- (i) In private education, there are 7 establishments in listing and 6 establishments have been covered then second stage weight is $7/6=1.1667$
- (ii) In human health and social work activities, there are 50 establishments in listing and 25 establishments have been covered then second stage weight is $50/25=2$

The second stage weights for establishments engaged in hotels & restaurants and other service activities have also been derived following the same procedure.

Chapter 4 : Education Industry

4.1 Introduction

In the national income accounting framework, education includes different institutions in the regular school system at its different levels as well as adult education, literacy programs, etc. Also included are academies, military schools, prison schools, etc. at their respective levels.

In order to re-assess the contribution of education in the GDP of Pakistan under the umbrella of Rebasings of National Accounts of Pakistan from 2005-06 to 2015-16, PBS has broadly divided education into four major categories including i) Public sector education provided by institutions of federal, provincial and district governments purely on non-market basis covered in budget of respective governments ii) Autonomous bodies engaged in education and falling under federal and provincial governments but with separate budgets iii,) Education provided by non-profit institutions purely on non-market basis and iv) Education provided in the private sector on market basis. The current report covers only the fourth part i.e. educational activities carried out in the private sector on a market basis whereas the first three parts have been covered separately. However, value added contribution of autonomous bodies providing educational services at economically significant prices i.e. with market output; have been combined with private sector education. Further, in order to have a better assessment of the contribution of private-sector education, it was further divided into census and survey parts. In the census part, private sector universities and industry leaders have been covered separately. In the survey part, educational establishment operating in the selected block was covered under Survey on “Other Private Services”. For the census part, a predefined list of the establishment was provided to PBS Regional/Field offices with clear instruction not to cover any establishment twice, if it falls in a block selected for the survey part. The results of both census and survey parts have been combined to represent the private sector education as a whole.

This part of the report includes the combined results of data extracted from educational establishments through surveys and census. It is pertinent to mention that education is primarily described by level in the PSIC-2010 adopted from the International Standard Industrial Classification (ISIC) Rev.4. This classification consists of the articulate and consistent structure of economic activities including education based on a set of internationally agreed concepts, definitions, principles and classification rules. This chapter includes the data and the descriptive analysis of private-sector education in Pakistan to assist the researchers, policymakers in economic analysis, decision-making, and policy-making. The main purpose of the exploration is to provide a meaningful picture of the contribution of educational activities towards the national economy.

4.2 Coverage

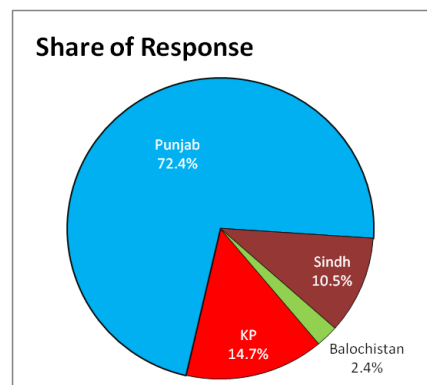
4.2.1 Geographical Coverage

According to the data, the total number of establishments engaged in the provision of education in the private sector stands at 89897 in all over Pakistan. The majority of these establishments belong to Punjab province (including Islamabad) i.e. 72%, whereas the shares of KP, Sindh, and Baluchistan are 14.7%, 10.5%, and 2.4% respectively. The respective share by provinces in the education industry is shown in Figure 4.1. Further detail on the share of coverage is reported in Table 1.

Table 4.1. Coverage by Province

| | Total | % Share |
|-------------|-------|---------|
| Pakistan | 89897 | 100 |
| KP | 13243 | 14.7 |
| Punjab* | 65111 | 72.4 |
| Sindh | 9416 | 10.5 |
| Balochistan | 2128 | 2.4 |

* Including Islamabad

**Figure 4.1: Coverage by Province**

4.2.2 Industry-wise Coverage

In PSIC, all economic activities are treated as industries, which are distinct, mutually exclusive and collectively exhaustive. The most detailed level of activities, described in the PSIC is at 5-digits level. The data obtained from individual establishments and engaged in a similar type of activities, which have been assigned the same code, have been grouped together and results have been compiled by industries at 5-digits level. However, sufficient representation of establishment at 5-digits and 4-digits level was not found for all industries. Therefore, results have been further aggregated at 3-digits levels, which include Pre-primary and primary education, Secondary education, Higher education, other education, and Educational support activities. All the results in this part of the report have been presented against the aforementioned activities. Table 4.2 shows the distribution of establishments among the provinces.

Table 4.2: Coverage by PSIC

| PSIC | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|-----------------------------------|----------|-------|--------|-------|-------------|
| | | 89897 | 13243 | 65110 | 9416 | 2128 |
| 851 | Pre-primary and primary education | 23991 | 3438 | 17704 | 2583 | 266 |
| 852 | Secondary education | 47755 | 7933 | 33229 | 4981 | 1612 |
| 853 | Higher education | 5116 | 538 | 4314 | 248 | 17 |
| 854 | Other education | 12487 | 1013 | 9687 | 1556 | 231 |
| 855 | Educational support activities | 548 | 321 | 178 | 48 | 1 |

According to Table 4.2, 89897 establishments have been covered in the survey from all over Pakistan, including 23991 in pre-primary education, 47755 in secondary education and 5116 in higher education. The number of establishments engaged in other education stands at 12487 out of which 77.6% belong to Punjab, 8.1% to KP, 12.5% to Sindh and 1.8% to Baluchistan.

In KP, the number of establishments engaged in Pre-primary & primary and secondary education stands at 26.0% and 59.9% whereas 4.1%, 7.7%, and 2.4% are engaged in higher education, other education and educational support activities respectively. In Punjab province, the share of establishments engaged in pre-primary and primary, secondary education, higher education, and other education is 27.2%, 51.0%, 6.6%, and 14.9% respectively. The educational support activities have the lowest share in Punjab. The share of establishments engaged in Pre-primary and primary education, secondary education, higher education, other education and educational support activities in Sindh province stands at 27.4%, 52.9%, 2.6%, and 16.5% respectively.

The representation of establishments from Baluchistan is around 2.4%. In Baluchistan, the

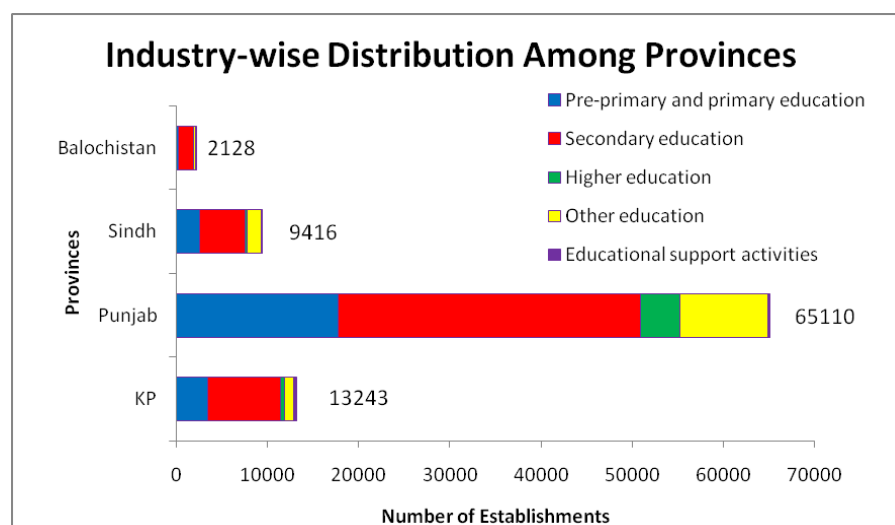


Figure 4.2: Industry-wise Coverage by Province

percentage share of Pre-primary and primary education, secondary education, higher education, and other education is 12.5%, 75.8%, 0.8%, 10.8% respectively. An overview of the industry-wise distribution of the establishments among the provinces against various industries is presented in the stacked bar chart (Figure 4.2).

4.3 Registration Status

It is important to report the number of establishments registered, maintaining accounts or not in order to have some understanding of the nature of the informality of the businesses. The educational establishments were asked about their registration status whether registered with any government agency or not. The province-wise summary of registration status is presented in Table 4.3(a). According to the data, 53178 (59.2%) establishments were observed as registered in the country. The percentage of registered establishments in Balochistan and KP is 80.87% and 80.59% whereas that of Punjab and Sindh is 54.6% and 55.41% respectively. The province and industry-wise break up of registered establishments are presented in Table 4.3(a).

Table 4.3(a) also shows the number of registered establishments in different industries. 58.1% of the Pre-primary and primary educational establishments, 72.1% of secondary, 73.9% of the higher educational establishments are registered with the government. 213 (38.8%) out of 548 of the establishments engaged in the provision of educational support activities are registered, whereas, only 6.6% of the other education are registered.

Table 4.3(a): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|-----------------------------------|-------|-------------------------------------|-------|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Baluchistan | |
| | | | 89897 | 53178 | 10673 | 35567 | 5217 | 1721 |
| 851 | Pre-primary and primary education | 23991 | 13944 | 2761 | 10013 | 972 | 198 | 58.1 |
| 852 | Secondary education | 47755 | 34413 | 7193 | 21834 | 3876 | 1510 | 72.1 |
| 853 | Higher education | 5116 | 3780 | 525 | 3045 | 197 | 13 | 73.9 |
| 854 | Other education | 12487 | 830 | 194 | 511 | 124 | - | 6.6 |
| 855 | Educational support activities | 548 | 213 | - | 164 | 48 | 1 | 38.8 |

4.4 Maintenance of Accounts

The criterion of maintenance of accounts is also used to classify whether an establishment is formal or informal. Therefore, establishments were asked whether they maintain their accounts or not. The summary of responses is provided in Table 4.3(b), according to which, 45269 establishments (approx. 50%) in the education industry are maintaining their accounts. The proportion of establishments maintaining their accounts is 32%, 57.7%, 50.3% and 44.5% in Baluchistan, KP, Punjab, and Sindh provinces respectively. From an industry point of view, the highest proportion of establishments maintaining accounts i.e. 63% belong to higher education followed by 58.6% in general secondary education, 54.7% in pre-primary & primary education and 41.5% in technical and vocational secondary education.

Table 4.3(b): Number of Establishments Maintaining Accounts

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintaining Accounts (Total) |
|------|-----------------------------------|-------|---|-------|--------|-------|-------------|--------------------------------|
| | | | Pakistan | KP | Punjab | Sindh | Baluchistan | |
| | | | 89897 | 45269 | 7644 | 32752 | 4192 | 681 |
| 851 | Pre-primary and primary education | 23991 | 13118 | 1902 | 10027 | 1048 | 141 | 54.7 |
| 852 | Secondary education | 47755 | 27777 | 5328 | 19354 | 2571 | 524 | 58.2 |
| 853 | Higher education | 5116 | 3223 | 261 | 2790 | 161 | 11 | 63.0 |
| 854 | Other education | 12487 | 1121 | 128 | 577 | 412 | 4 | 9.0 |
| 855 | Educational support activities | 548 | 31 | 26 | 4 | 0 | 1 | 5.6 |

A combined summary of establishments registered with government agencies and maintaining accounts is presented in Figure 4.3. The part of the bars in blue color shows the percentage of establishments in particular province registered with government agencies. The percentage of bars in red color shows unregistered establishments. The yellow diamond marks represent the percentage of establishments that maintained their accounts.

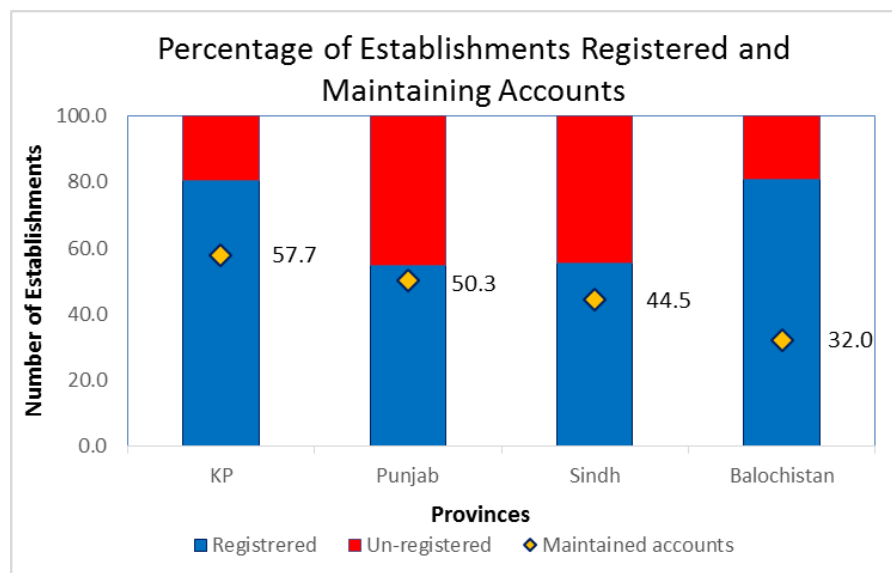


Figure 4.3: Summary of Establishments: Registered and Maintaining accounts

4.5 Availability of Hostel Facility

The hostel facilities provided by the educational institutions promote education by providing education to students belonging to distant areas and lessen the disadvantages owing to the location of the particular institute. Therefore, the educational establishments were asked about the existence of the hostel facility. According to the results, there are 3545 establishments having hostel facilities in the country, out of which 1933 are in Punjab followed by 841 in the Sindh and 613 in KP and 157 in Baluchistan. At the aggregate level, only 3.9% of the establishments are providing hostel facilities to their students.

Table 4.3(c): Number of Establishments Having Hostel Facility

| PSIC | | Total | Number of Establishments having Hostel Facility | | | | | % with Hostel Facility (Total) |
|------|-----------------------------------|-------|---|------|--------|-------|-------------|--------------------------------|
| | | | Pakistan | KP | Punjab | Sindh | Baluchistan | |
| | | | 89897 | 3545 | 613 | 1933 | 841 | 157 |
| 851 | Pre-primary and primary education | 23991 | 1140 | 81 | 648 | 402 | 8 | 4.8% |
| 852 | Secondary education | 47755 | 2038 | 369 | 1134 | 387 | 148 | 4.3% |
| 853 | Higher education | 5116 | 213 | 88 | 120 | 4 | 1 | 4.2% |
| 854 | Other education | 12487 | 106 | 75 | 31 | 0 | 0 | 0.8% |
| 855 | Educational support activities | 548 | 49 | 0 | 1 | 48 | 0 | 8.9% |

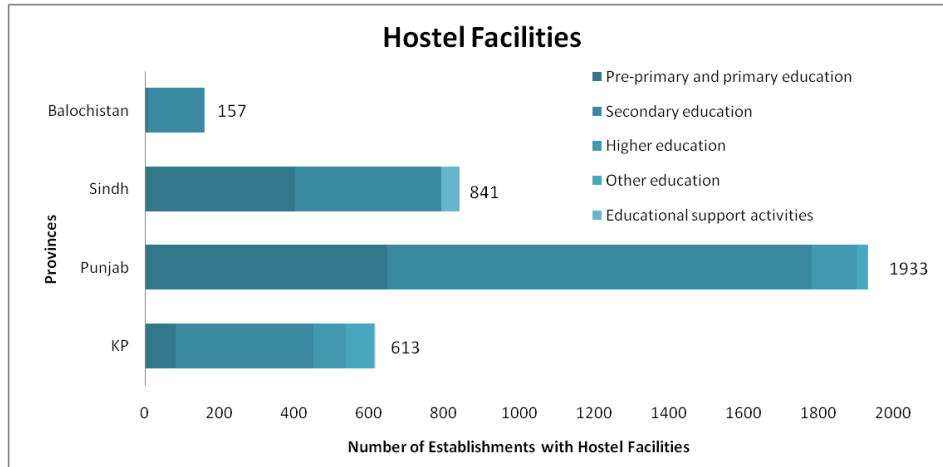


Figure 4.4: Number of Establishment Having Hostels by Province and PSIC

The percentage share of establishments providing hostel facilities with respect to industries is also reported in Table 4.3(c) and Figure 4.4. In Figure 4.4, bars on the y-axis show the provinces whereas the x-axis shows the number of establishments providing the hostel facilities. The shades of blue color differentiate the concentration of hostel facilities by industries within each province.

4.6 Type of Ownership in Education

The summary of data regarding the type of ownership at the national and provincial levels and by PSIC is presented in Table 4.4 (a) & (b) and Figure 4.5. According to the results presented in Table 4.4(a), individual ownership has been emerged as the most common type of ownership in the education industry i.e. 79179 (88%) out of 89897 total educational establishments are operating under individual owners. The partnership is the second most common form of ownership among educational establishments with 8985 (10%) establishments. The remaining 2% establishments are jointly owned by Private Limited Companies, Public Limited Companies, Cooperatives and other types of businesses. The detail of the type of ownership by industries is presented in Table 4.4(b). Among the 79179 establishments operating under individual ownership, the majority i.e. 41961 is engaged in secondary education followed by 21342 in pre-primary and primary education, 11848 in other education and 3659 in higher education.

Table 4.4(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|-------|--------|-------|-------------|
| | 89897 | 13246 | 65108 | 9416 | 2128 |
| Individual Ownership | 79179 | 10661 | 58207 | 8468 | 1843 |
| Partnership | 8985 | 2494 | 5662 | 582 | 247 |
| Private Ltd. Co. | 280 | 1 | 170 | 109 | - |
| Cooperative | 633 | 68 | 333 | 209 | 23 |
| Others | 822 | 22 | 736 | 48 | 15 |

The industry-wise distribution of educational establishments operating under partnership also follows the same pattern; except for the number of establishments working on higher education is twice the other education. Among the 280 establishments operating under Private Ltd. Co., 225 are engaged in secondary education. Further, most of the establishments operating under Cooperatives are engaged in the provision of secondary education (386 units) followed by 183 establishments in pre-primary and primary education.

Table 4.4(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. | Cooperative | Others |
|------|-----------------------------------|----------|----------------------|-------------|------------------|-------------|--------|
| | | 89897 | 79179 | 8985 | 280 | 633 | 822 |
| 851 | Pre-primary and primary education | 23971 | 21342 | 2285 | 44 | 183 | 117 |
| 852 | Secondary education | 47785 | 41961 | 5156 | 225 | 386 | 57 |
| 853 | Higher education | 5097 | 3659 | 942 | 10 | 3 | 483 |
| 854 | Other education | 12501 | 11848 | 428 | 0 | 60 | 165 |
| 855 | Educational support activities | 543 | 369 | 174 | 0 | 0 | 0 |

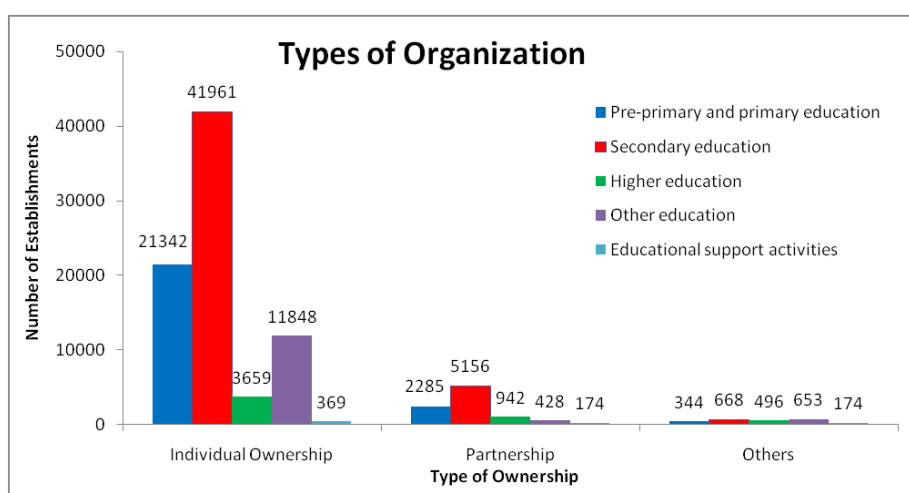


Figure 4.5: Type of Ownership by PSIC

4.7 Employment by Type, Gender and Industry

Employment in the education industry by type and gender at national and provincial levels is presented in Table 4.5(a). According to the results, the total number of persons engaged in the educational industry during the reference period stands at 1,199,163 out of which majority i.e. 800,624 (66.8%) belong to Punjab, followed by 213,049 (17.8%) in KP, 156,114 (13%) in Sindh and 29,376 in Balochistan. With regard to the type of employment, 787122 (65.6%) engaged as teaching staff followed by 239681 (20%) were other employees, 89347 (7.5%) were working proprietors, and 83012 (6.9%) unpaid family workers. Further break-up of data shows that teaching staff represents the major part of the workforce in the education industry in each province as well. For example, in Punjab province, the share of teaching staff is 66.4% (531448), 68.6% (146117) in KP, 56.1% (87634) in Sindh, 74.6% (21923) in Balochistan. Further, with the exception of KP, in all other provinces, the majority of the teaching staff is females. The share of the female among teaching staff is 83.6% in Punjab, 61.5% in the provinces of Sindh, 59% in Balochistan and 48.5% in KP.

From the gender point of view, education has been dominated by female employees. 712803 (59.4%) are female and the remaining 486360 (40.6%) are male. In KP, there are 14103 working proprietors of which 92.8% male and only 1014 (7.2%) are female. On the other hand, most of the unpaid family workers in KP (8853 out of 13034) i.e. 68% are male as compared to 32% of females. Similarly, the majority of other employees in KP i.e. 83% are males and only 17% are females.

The share of the unpaid family workers in the education industry is 6.1% and 6.3% in KP and Punjab, 11.7% in Sindh, 5% in Balochistan. The proportion of female unpaid family workers in Punjab is 52.1%. On the other hand, the share of female unpaid family workers in Sindh is 40.4% and 25% in the province of Baluchistan.

The percentage share by type of employment by gender is also presented in Figure 4.6. It is evident from the figure that working proprietors and other employees in all four provinces are dominated by males. However, teaching staff in the whole country, and unpaid family workers in Punjab is dominated by female employees. The least involvement of females can be observed in Balochistan province where almost all the working proprietors and 82.2% of the unpaid family workers are male.

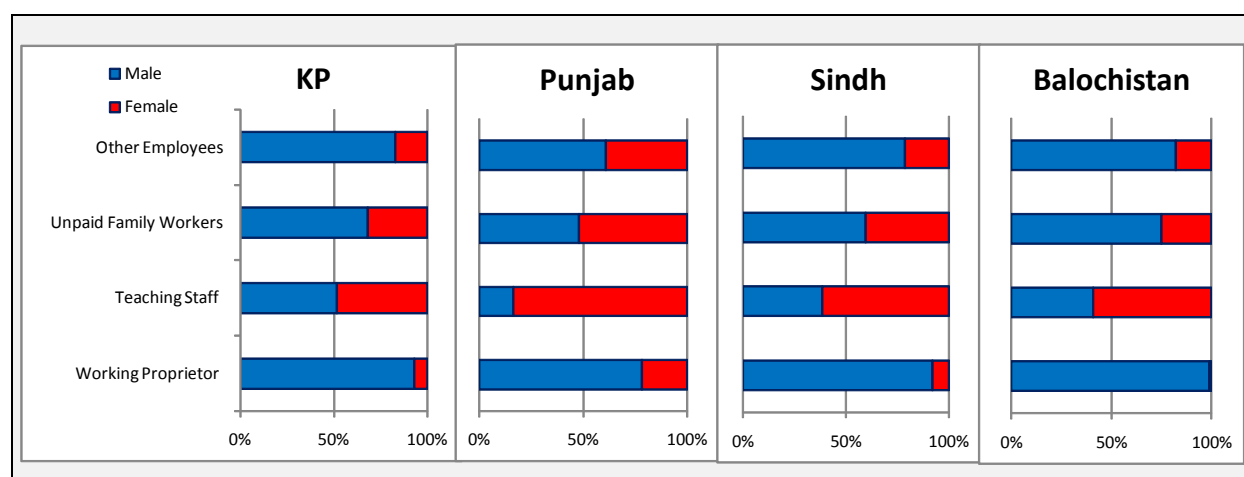


Figure 4.6: Employees by Type, Gender and Province

The detail of the number of persons engaged at national and provincial levels by PSIC during 2016-17 is presented in Table 4.5(b). Out of the 1,199,163 total employment in the education industry, majority i.e. 61.6% (728351) are engaged in secondary education followed by 20.3% in Pre-primary and primary education and 14.7% in higher education. The collective share of the remaining industries stands at around 3.3%. The same pattern of employment by industries is followed among the provinces.

Table 4.5(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|-----------------------|----------------|----------------|------------------|
| Pakistan | 486,360 | 712,803 | 1,199,163 |
| Working Proprietor | 73,608 | 15,739 | 89,347 |
| Teaching Staff | 205,132 | 581,990 | 787,122 |
| Unpaid Family Workers | 44,887 | 38,126 | 83,012 |
| Other Employees | 162,732 | 76,949 | 239,681 |
| KP | 130,154 | 82,895 | 213,049 |
| Working Proprietor | 13,089 | 1,014 | 14,103 |
| Teaching Staff | 75,280 | 70,837 | 146,117 |
| Unpaid Family Workers | 8,853 | 4,181 | 13,034 |
| Other Employees | 32,932 | 6,864 | 39,795 |
| Punjab | 255,444 | 545,180 | 800,624 |
| Working Proprietor | 50,137 | 13,980 | 64,117 |
| Teaching Staff | 87,102 | 444,347 | 531,448 |
| Unpaid Family Workers | 24,094 | 26,236 | 50,330 |
| Other Employees | 94,112 | 60,618 | 154,730 |
| Sindh | 85,451 | 70,663 | 156,114 |
| Working Proprietor | 8,611 | 729 | 9,340 |
| Teaching Staff | 33,764 | 53,869 | 87,634 |
| Unpaid Family Workers | 10,846 | 7,345 | 18,190 |
| Other Employees | 32,230 | 8,720 | 40,950 |
| Balochistan | 15,311 | 14,066 | 29,376 |
| Working Proprietor | 1,771 | 17 | 1,788 |
| Teaching Staff | 8,986 | 12,936 | 21,923 |
| Unpaid Family Workers | 1,094 | 365 | 1,458 |
| Other Employees | 3,459 | 747 | 4,207 |

Table 4.5(b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Teaching Staff | | | Unpaid Family Workers | | | Other Employees | | | Total Code | | |
|--------------------|-----------------------------------|--------------------|--------------|--------------|----------------|---------------|---------------|-----------------------|--------------|--------------|-----------------|--------------|---------------|---------------|---------------|----------------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Pakistan | | 73608 | 15739 | 89347 | 205132 | 581990 | 787122 | 44887 | 38126 | 83012 | 162732 | 76949 | 239681 | 486360 | 712803 | 1199163 |
| 851 | Pre-primary and primary education | 18473 | 4676 | 23150 | 29424 | 135285 | 164708 | 5150 | 7243 | 12392 | 26765 | 16986 | 43752 | 79812 | 164190 | 244002 |
| 852 | Secondary education | 39094 | 7545 | 46639 | 133526 | 401979 | 535505 | 10549 | 17621 | 28170 | 80800 | 47383 | 128183 | 263969 | 474528 | 738497 |
| 853 | Higher education | 5667 | 519 | 6187 | 30078 | 38838 | 68916 | 27740 | 12506 | 40247 | 49634 | 11340 | 60975 | 113120 | 63204 | 176324 |
| 854 | Other education | 9952 | 2703 | 12655 | 12014 | 5874 | 17887 | 954 | 722 | 1676 | 3457 | 473 | 3930 | 26376 | 9772 | 36148 |
| 855 | Educational support activities | 421 | 296 | 717 | 91 | 14 | 105 | 494 | 34 | 528 | 2076 | 766 | 2842 | 3082 | 1110 | 4191 |
| KP | | 13089 | 1014 | 14088 | 75280 | 70837 | 146117 | 8853 | 4181 | 13034 | 32932 | 6864 | 39748 | 130154 | 82895 | 213049 |
| 851 | Pre-primary and primary education | 3078 | 519 | 3593 | 10268 | 17371 | 27638 | 318 | 577 | 895 | 4457 | 1758 | 6215 | 18121 | 20225 | 38345 |
| 852 | Secondary education | 8165 | 131 | 8287 | 56702 | 48600 | 105302 | 2113 | 1752 | 3866 | 20733 | 3691 | 24378 | 87714 | 54173 | 141887 |
| 853 | Higher education | 865 | 10 | 873 | 6795 | 4090 | 10884 | 6291 | 1847 | 8138 | 7219 | 1304 | 8524 | 21170 | 7251 | 28421 |
| 854 | Other education | 956 | 58 | 1014 | 1439 | 777 | 2216 | 131 | 5 | 136 | 522 | 110 | 632 | 3047 | 951 | 3997 |
| 855 | Educational support activities | 26 | 296 | 321 | 77 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 0 | 103 | 296 | 399 |
| Punjab | | 50137 | 13980 | 64015 | 87102 | 444347 | 531448 | 24094 | 26236 | 50330 | 94112 | 60618 | 154165 | 255444 | 545180 | 800624 |
| 851 | Pre-primary and primary education | 12847 | 3866 | 16689 | 10205 | 104212 | 114417 | 2225 | 4038 | 6263 | 15019 | 13162 | 28113 | 40294 | 125278 | 165574 |
| 852 | Secondary education | 25183 | 7038 | 32164 | 50043 | 302071 | 352114 | 5670 | 13750 | 19419 | 42161 | 38367 | 80069 | 123057 | 361225 | 484285 |
| 853 | Higher education | 4577 | 480 | 5035 | 21360 | 33657 | 55018 | 15115 | 7704 | 22818 | 33883 | 8280 | 42127 | 74935 | 50121 | 125056 |
| 854 | Other education | 7182 | 2596 | 9778 | 5479 | 4393 | 9872 | 689 | 716 | 1404 | 2639 | 782 | 3423 | 15990 | 8486 | 24477 |
| 855 | Educational support activities | 347 | 0 | 347 | 14 | 14 | 28 | 397 | 28 | 425 | 409 | 26 | 435 | 1167 | 68 | 1235 |
| Sindh | | 8611 | 729 | 9291 | 33764 | 53869 | 87634 | 10846 | 7345 | 18190 | 32230 | 8720 | 40745 | 85451 | 70663 | 156114 |
| 851 | Pre-primary and primary education | 2292 | 284 | 2545 | 8051 | 12639 | 20689 | 2474 | 2492 | 4966 | 6806 | 1965 | 8663 | 19622 | 17380 | 37002 |
| 852 | Secondary education | 4460 | 368 | 4814 | 21379 | 39690 | 61070 | 1992 | 1968 | 3961 | 15213 | 4743 | 19859 | 43046 | 46769 | 89814 |
| 853 | Higher education | 212 | 27 | 235 | 1853 | 956 | 2809 | 6258 | 2884 | 9142 | 8420 | 1728 | 10148 | 16743 | 5595 | 22337 |
| 854 | Other education | 1599 | 49 | 1648 | 2481 | 585 | 3066 | 122 | 1 | 123 | 1310 | 45 | 1356 | 5512 | 680 | 6192 |
| 855 | Educational support activities | 48 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 480 | 240 | 720 | 528 | 240 | 768 |
| Balochistan | | 1771 | 17 | 1784 | 8986 | 12936 | 21923 | 1094 | 365 | 1458 | 3459 | 747 | 4174 | 15311 | 14066 | 29376 |
| 851 | Pre-primary and primary education | 256 | 7 | 262 | 901 | 1063 | 1964 | 133 | 136 | 269 | 484 | 101 | 585 | 1775 | 1307 | 3082 |
| 852 | Secondary education | 1285 | 8 | 1292 | 5401 | 11619 | 17020 | 774 | 151 | 925 | 2691 | 583 | 3241 | 10151 | 12360 | 22512 |
| 853 | Higher education | 14 | 2 | 15 | 70 | 136 | 205 | 77 | 72 | 149 | 112 | 28 | 140 | 273 | 237 | 510 |
| 854 | Other education | 216 | 0 | 216 | 2615 | 119 | 2734 | 13 | 0 | 13 | 68 | 28 | 96 | 2911 | 147 | 3059 |
| 855 | Educational support activities | 0 | 0 | 0 | 0 | 0 | 0 | 97 | 6 | 103 | 103 | 8 | 111 | 200 | 14 | 214 |

4.8 Employment cost

Employment cost incurred by establishments engaged in the education industry in the private sector at national and provincial levels is presented in Table 4.6. Employment costs have been estimated at a detailed industry level separately including wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. According to the results, expenditure on employment cost in education stands at Rs.159.7 billion including Rs.153.5 billion wages & salaries in cash, Rs.4.8 billion on other cash payments and Rs.1.5 billion on payments in kind i.e. non-cash benefits.

Table 4.6: Employment Cost by PSIC (Rs.'000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|--------------------|-----------------------------------|--------------------|---------------------|-------------------------------------|--------------------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 153,471,799 | 4,761,321 | 1,459,031 | 159,692,151 |
| 851 | Pre-primary and primary education | 10,020,624 | 23,538 | 107,839 | 10,152,001 |
| 852 | Secondary education | 56,219,871 | 502,224 | 608,408 | 57,330,504 |
| 853 | Higher education | 85,237,026 | 3,995,857 | 735,019 | 89,967,902 |
| 854 | Other education | 1,506,975 | 1,633 | 7,764 | 1,516,371 |
| 855 | Educational support activities | 487,302 | 238,069 | 0 | 725,371 |
| KP | | 24,407,274 | 2,567,843 | 405,884 | 27,381,002 |
| 851 | Pre-primary and primary education | 2,282,496 | 2,045 | 40,845 | 2,325,386 |
| 852 | Secondary education | 13,049,448 | 297,958 | 279,641 | 13,627,047 |
| 853 | Higher education | 8,781,588 | 2,266,618 | 81,422 | 11,129,628 |
| 854 | Other education | 293,228 | 1,222 | 3,976 | 298,426 |
| 855 | Educational support activities | 514 | 0 | 0 | 514 |
| Punjab | | 107,151,813 | 1,556,840 | 902,282 | 109,610,935 |
| 851 | Pre-primary and primary education | 6,156,806 | 11,737 | 41,390 | 6,209,932 |
| 852 | Secondary education | 32,782,374 | 82,332 | 300,834 | 33,165,541 |
| 853 | Higher education | 66,709,575 | 1,294,750 | 556,312 | 68,560,637 |
| 854 | Other education | 1,101,046 | 81 | 3,745 | 1,104,872 |
| 855 | Educational support activities | 402,010 | 167,941 | 0 | 569,951 |
| Sindh | | 20,360,078 | 553,922 | 139,039 | 21,053,039 |
| 851 | Pre-primary and primary education | 1,487,894 | 9,756 | 25,350 | 1,523,000 |
| 852 | Secondary education | 9,264,843 | 120,187 | 16,396 | 9,401,426 |
| 853 | Higher education | 9,521,463 | 423,649 | 97,285 | 10,042,398 |
| 854 | Other education | 82,996 | 330 | 8 | 83,334 |
| 855 | Educational support activities | 2,881 | 0 | 0 | 2,881 |
| Balochistan | | 1,552,635 | 82,715 | 11,826 | 1,647,176 |
| 851 | Pre-primary and primary education | 93,428 | 0 | 254 | 93,682 |
| 852 | Secondary education | 1,123,206 | 1,747 | 11,537 | 1,136,489 |
| 853 | Higher education | 224,399 | 10,840 | 0 | 235,239 |
| 854 | Other education | 29704 | 0 | 36 | 29740 |
| 855 | Educational support activities | 81,897 | 70,128 | 0 | 152,025 |

In Pre-primary and Primary education, expenditure on employment cost is Rs.10.2 billion including Rs.10 billion wages & salaries in cash, Rs.23.5 million on other cash payments and Rs.107.8 million on payments in kind. Expenditure on employment cost in secondary education

stands at Rs.57.3 billion out of which Rs.56.2 billion were paid in wages & salaries in cash, Rs.502.2 million on other cash payments and Rs.608.4 million on non-cash benefits. For the higher education industry, expenditure on employment cost stands at Rs.90 billion including Rs.85.2 billion wages & salaries in cash, Rs.4 billion on other cash payments and Rs.735 million on payments in kind.

The employment cost in other education industries stands at Rs.1.5 billion including 99.4% of which is wages & salaries in cash and the remaining is payment in kind. Finally, in educational support activities, industry-related expenditure is Rs.725.3 million out of which Rs.487.3 million have been incurred on wages and salaries in cash and Rs. 238.1 million on other cash payments.

Provincial-wise distribution of the employment suggests that most of the employment cost has been incurred in Punjab i.e. Rs.109.6 billion (68.6%) out of Rs.159.7 billion of the total education industry, including Rs.107.2 billion in the form of wages and salaries in cash, Rs.1.6 billion on other cash payments and Rs.0.902 billion on payment in kind. In KP, Rs.27.4 Billion (17.1%) has been spent on employment cost, out of which Rs.24.4 billion on wages and salaries, Rs.2.6 billion on other cash payments and 405.9 million on non-cash benefits. 13.2% of the total employment cost relates to establishments in Sindh i.e. Rs.21.05 billion 97% of which is on accounts of wages and salaries in cash, Rs.553.9 million on other cash payments and Rs.139 million as payment in kind. Only 1% of the total employment cost relates to establishments belonging to Balochistan province. In Balochistan, Rs.1.6 billion of employment cost is on account of wages and salaries in cash, Rs.82.7 million on other cash payments and Rs.11.8 million on non-cash payments.

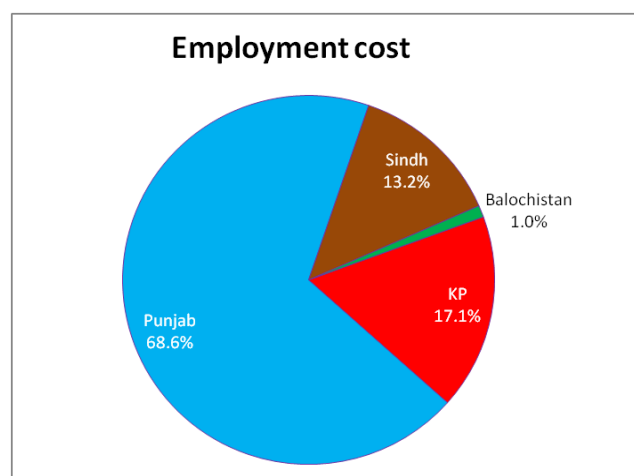


Figure 4.7: Employment Cost by Province

4.9 Input Cost by Industry and Product

The detail of expenditures incurred on inputs by establishments engaged in the education industry by products is presented in Table 4.7(a). According to the data, total expenditure on inputs by establishments engaged in education amounts to Rs.92.7 billion. The product-wise detail of inputs suggests that expenditure on printed books, pamphlets, maps, globes, register, exercise book, notebook pen, pencil and fountain pens, etc., stationery and office supplies are around Rs.14.8 billion, which is 16% of the total expenses. The expenditure on sports goods and fairground amusement articles, garments and clothing accessories including uniforms for students and food are Rs.2.4 billion (2.6%). The expenses incurred on the medical products and the laboratory equipment is Rs.3.1 billion (3.3%). The rent on building alone costs more than Rs.23.4 billion i.e. 25.3% of the total expenditure. Other major expenses are electricity, gas water, telephone/internet, fuel, postage and travel charges, etc., which altogether costs around Rs.19.6 billion (21.1%). Expenditure on payments for data processing are Rs.269 million followed by accounting, secretarial and audit fees (Rs.428.7 million), payment for security services (Rs.1.2 billion), payment for other professional services such as architectural, engineering, surveying consultancy fees, etc. (Rs.1 billion), payment for current repair and maintenance work (Rs.3.9 billion), entertainment, advertising and promotion and expenditure on gift/trophies, etc. (Rs.11 billion), and other expenses such as insurance premium, food and laundry outsourced and other expenditure (Rs.11.6 billion).

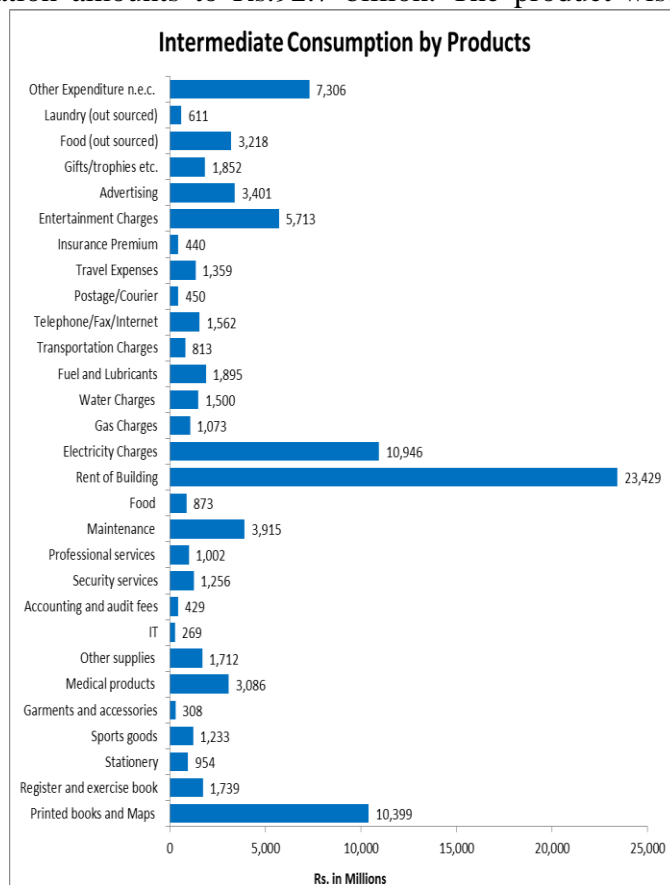


Figure 4.8: Input Cost by Product

The expenditure in inputs by products and PSIC at national and provincial levels is presented in Table 4.7(b). According to the data, most of the input costs i.e. Rs.50.5 billion (54.5%) have been incurred by establishments engaged in higher education followed by Rs.28.4 billion (30.6%) in secondary education, Rs.11.4 billion (12.2%) in Pre-primary and primary education whereas remaining Rs.3.0 billion (3.0%) have been incurred collectively other education and educational support activities.

Province-wise data suggest that cost on inputs by establishments belonging to Punjab province stands at Rs.54.4 billion i.e. 58.7% of the total followed by Rs.16.6 billion (17.9%) by those based in Sindh, Rs.13.3 billion (14.4%) in KP and Rs.8.4 billion (9.1%) in Balochistan.

Table 4.7(a): Input Cost by Product

| Items of Expenditures | Codes | (Rs. in '000') | % Share |
|---|------------|-------------------|--------------|
| Expenditure on printed books, pamphlets, maps and globes | 401 | 10,398,684 | 11.2 |
| Expenditure on register, exercise book, note book etc. | 402 | 1,738,937 | 1.9 |
| Expenditure on pen, pencil fountain pens etc. | 403 | 954,166 | 1.0 |
| Expenditure on sports goods and fairground amusement articles etc. | 404 | 1,233,007 | 1.3 |
| Garments and clothing accessories including uniforms for students | 405 | 307,994 | 0.3 |
| Medical products such as medicaments and laboratory equipment | 406 | 3,086,364 | 3.3 |
| Expenditure on other stationery and office supplies not mentioned above | 407 | 1,712,498 | 1.8 |
| Payment for data processing and other services related to information technology | 408 | 268,958 | 0.3 |
| Accounting, secretarial and audit fees | 409 | 428,687 | 0.5 |
| Payment for security services | 410 | 1,255,661 | 1.4 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 411 | 1,002,462 | 1.1 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 412 | 3,914,885 | 4.2 |
| Expenditure on Food including Grocery | 413 | 873,421 | 0.9 |
| Rent of Building | 414 | 23,428,768 | 25.3 |
| Electricity Charges | 415 | 10,946,320 | 11.8 |
| Gas Charges | 416 | 1,072,539 | 1.2 |
| Water Charges including expenditure on mineral water | 417 | 1,499,961 | 1.6 |
| Fuel and Lubricants | 418 | 1,895,107 | 2.0 |
| Transportation Charges | 419 | 813,173 | 0.9 |
| Telephone/Fax/Telegraph/ Internet | 420 | 1,562,447 | 1.7 |
| Postage/Courier | 421 | 449,701 | 0.5 |
| Travel Expenses | 422 | 1,358,980 | 1.5 |
| Insurance Premium | 423 | 440,226 | 0.5 |
| Entertainment Charges | 424 | 5,712,742 | 6.2 |
| Advertising and promotion | 425 | 3,400,654 | 3.7 |
| Expenditure on purchases of gifts/trophies etc. | 426 | 1,852,121 | 2.0 |
| Expenditure on food payments made to other company | 427 | 3,217,941 | 3.5 |
| Expenditure on laundry payments made to other company | 428 | 610,787 | 0.7 |
| Other Expenditure n.e.c. | 429 | 7,306,172 | 7.9 |
| Total | 400 | 92,743,362 | 100.0 |

Table 4.7(b): Input Cost by PSIC and Products (Rs. '000')

| PSIC/Expenditure Code | | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 |
|-----------------------|-----------------------------------|-----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------|---------------|-----------------|-----------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Pakistan | | 10398684 | 1738937 | 954166 | 1233007 | 307994 | 3086364 | 1712498 | 268958 | 428687 | 1255661 | 1002462 | 3914885 | 873421 | 23428768 | 10946320 |
| 851 | Pre-primary and primary education | 753625 | 361067 | 99291 | 74984 | 71476 | 20269 | 182135 | 17584 | 8151 | 201223 | 6801 | 270787 | 112975 | 4327547 | 2732145 |
| 852 | Secondary education | 1420999 | 1107761 | 270829 | 326681 | 152646 | 225105 | 629064 | 108413 | 140162 | 580202 | 154928 | 1379016 | 203524 | 11647938 | 3212336 |
| 853 | Higher education | 7837484 | 195548 | 538854 | 823555 | 77701 | 2834489 | 873254 | 125137 | 254235 | 460380 | 778545 | 2217487 | 492202 | 6650878 | 4742914 |
| 854 | Other education | 47808 | 27928 | 19003 | 1446 | 2749 | 3754 | 26069 | 13321 | 315 | 6650 | 4305 | 17957 | 25390 | 698632 | 237841 |
| 855 | Educational support activities | 338768 | 46633 | 26188 | 6341 | 3422 | 2747 | 1977 | 4504 | 25824 | 7207 | 57883 | 29638 | 39329 | 103773 | 21083 |
| KP | | 795767 | 340569 | 180415 | 124963 | 64576 | 309650 | 308206 | 69713 | 141270 | 212013 | 300496 | 457476 | 243828 | 3414974 | 888647 |
| 851 | Pre-primary and primary education | 69308 | 65264 | 15501 | 13096 | 17840 | 8228 | 28041 | 1215 | 994 | 18269 | 1101 | 32905 | 53489 | 411540 | 103323 |
| 852 | Secondary education | 177545 | 213707 | 58759 | 59854 | 30846 | 64600 | 119934 | 22328 | 42404 | 96327 | 61799 | 201461 | 97771 | 2054445 | 414674 |
| 853 | Higher education | 542840 | 58811 | 103301 | 51780 | 15890 | 234553 | 157246 | 44049 | 97873 | 96615 | 237434 | 221340 | 90220 | 884272 | 355223 |
| 854 | Other education | 6075 | 2787 | 2854 | 232 | 0 | 2270 | 2176 | 2121 | 0 | 802 | 161 | 1770 | 2348 | 63484 | 14862 |
| 855 | Educational support activities | 0 | 0 | 0 | 0 | 0 | 0 | 810 | 0 | 0 | 0 | 0 | 0 | 0 | 1234 | 566 |
| Punjab | | 7857295 | 1154260 | 404548 | 411680 | 162375 | 785767 | 851254 | 155690 | 232097 | 776572 | 531455 | 2598729 | 542216 | 15590049 | 8295708 |
| 851 | Pre-primary and primary education | 631572 | 236362 | 62782 | 43182 | 38984 | 9425 | 108611 | 9974 | 6400 | 87820 | 5700 | 154994 | 31948 | 3114655 | 2434994 |
| 852 | Secondary education | 1080943 | 755933 | 144600 | 203990 | 78250 | 127271 | 427374 | 68417 | 68581 | 390436 | 55261 | 956584 | 82929 | 8234243 | 2239679 |
| 853 | Higher education | 5789384 | 121290 | 166495 | 158214 | 39863 | 646204 | 296678 | 63118 | 131030 | 289807 | 415789 | 1463292 | 368793 | 3643861 | 3445981 |
| 854 | Other education | 25908 | 6047 | 11207 | 3925 | 4924 | 1482 | 18591 | 12337 | 17115 | 1301 | 35520 | 22891 | 56869 | 551292 | 162968 |
| 855 | Educational support activities | 7517927 | 1153478 | 283013 | 376865 | 152524 | 706182 | 787474 | 140970 | 195741 | 744668 | 303403 | 2384645 | 386546 | 14029086 | 7809493 |
| Sindh | | 1643567 | 218659 | 174257 | 688555 | 65682 | 278912 | 541827 | 38530 | 53908 | 250254 | 139351 | 801021 | 77263 | 2399552 | 1436449 |
| 851 | Pre-primary and primary education | 49730 | 57755 | 20158 | 17433 | 14429 | 2503 | 42545 | 5996 | 60 | 95069 | 0 | 75265 | 27087 | 750668 | 183770 |
| 852 | Secondary education | 134078 | 115631 | 59029 | 57650 | 28999 | 22770 | 75491 | 13251 | 28462 | 76697 | 37023 | 184770 | 15524 | 1193051 | 518611 |
| 853 | Higher education | 1439173 | 15108 | 85537 | 612375 | 21948 | 253637 | 418603 | 17762 | 25332 | 73958 | 102322 | 530492 | 32989 | 335444 | 668376 |
| 854 | Other education | 20586 | 18161 | 9532 | 1096 | 306 | 1 | 5188 | 1522 | 54 | 4531 | 6 | 10494 | 1662 | 120389 | 59930 |
| 855 | Educational support activities | 0 | 12004 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5762 |
| Balochistan | | 102055 | 25449 | 194945 | 7809 | 15361 | 1712035 | 11211 | 5024 | 1412 | 16823 | 31161 | 57658 | 10114 | 2024192 | 325515 |
| 851 | Pre-primary and primary education | 3015 | 1686 | 850 | 1272 | 223 | 115 | 2938 | 400 | 697 | 65 | 0 | 7623 | 450 | 50685 | 10058 |
| 852 | Secondary education | 28432 | 22492 | 8441 | 5188 | 14552 | 10464 | 6266 | 4417 | 715 | 16741 | 845 | 36203 | 7300 | 166199 | 39372 |
| 853 | Higher education | 66087 | 339 | 183521 | 1186 | 0 | 1700094 | 727 | 208 | 0 | 0 | 23000 | 2362 | 200 | 1787302 | 273334 |
| 854 | Other education | 4231 | 933 | 28 | 2 | 0 | 0 | 114 | 0 | 0 | 17 | 0 | 1269 | 2164 | 13722 | 2002 |
| 855 | Educational support activities | 290 | 0 | 2105 | 161 | 586 | 1363 | 1167 | 0 | 0 | 0 | 7316 | 10202 | 0 | 6283 | 750 |

Note: Please See Table 4.7(a) for description of product code

Table 4.7(b): Input Cost by PSIC and Product (Rs. '000') (Cont.)

| PSIC/Expenditure Code | | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 400 |
|-----------------------|-----------------------------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|----------------|----------------|---------------|----------------|-----------------|
| 1 | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| Pakistan | | 1072539 | 1499961 | 1895107 | 813173 | 1562447 | 449701 | 1358980 | 440226 | 5712742 | 3400654 | 1852121 | 3217941 | 610787 | 7306172 | 92743362 |
| 851 | Pre-primary and primary education | 83705 | 71959 | 341403 | 47879 | 201574 | 32846 | 198942 | 20489 | 304100 | 211035 | 374400 | 2890 | 19186 | 201236 | 11351705 |
| 852 | Secondary education | 278922 | 266844 | 765567 | 177836 | 576280 | 133348 | 399868 | 141410 | 838813 | 662057 | 1054421 | 60788 | 97496 | 1356456 | 28369708 |
| 853 | Higher education | 695403 | 1106788 | 758698 | 546166 | 713392 | 277514 | 714287 | 271079 | 4521780 | 2479482 | 411789 | 3094567 | 278436 | 5738970 | 50511014 |
| 854 | Other education | 8151 | 10413 | 28634 | 2003 | 53223 | 2078 | 6453 | 392 | 44672 | 34508 | 10980 | 504 | 885 | 7548 | 1343612 |
| 855 | Educational support activities | 6358 | 43957 | 806 | 39288 | 17979 | 3915 | 39429 | 6855 | 3376 | 13573 | 531 | 59193 | 214784 | 1962 | 1167324 |
| KP | | 230157 | 463396 | 404991 | 187557 | 241338 | 67700 | 187797 | 47211 | 398839 | 384711 | 172791 | 367026 | 31509 | 2271480 | 13309067 |
| 851 | Pre-primary and primary education | 17603 | 3076 | 19023 | 7442 | 26642 | 3035 | 10213 | 205 | 51846 | 38894 | 31286 | 296 | 0 | 10089 | 1059766 |
| 852 | Secondary education | 103686 | 79105 | 249948 | 106490 | 99241 | 14220 | 76131 | 7825 | 279472 | 197340 | 119670 | 36257 | 23311 | 287123 | 5396271 |
| 853 | Higher education | 106916 | 380104 | 131310 | 73438 | 109896 | 49805 | 100424 | 39181 | 61810 | 142129 | 20746 | 330005 | 8197 | 1974088 | 6719495 |
| 854 | Other education | 1952 | 1111 | 4710 | 188 | 5508 | 640 | 1029 | 0 | 3295 | 6347 | 1089 | 468 | 0 | 180 | 128458 |
| 855 | Educational support activities | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 2417 | 0 | 0 | 0 | 0 | 0 | 5078 |
| Punjab | | 522943 | 302560 | 1171910 | 331766 | 847447 | 184066 | 773648 | 196304 | 2464093 | 1978643 | 1521880 | 294232 | 485699 | 2983901 | 54408786 |
| 851 | Pre-primary and primary education | 35985 | 36773 | 263417 | 11901 | 132317 | 24826 | 171086 | 9511 | 145132 | 159982 | 311324 | 2350 | 7585 | 94042 | 8383629 |
| 852 | Secondary education | 82818 | 102006 | 433587 | 57658 | 371257 | 89689 | 307165 | 90725 | 405950 | 398246 | 829957 | 18306 | 53620 | 961478 | 19116952 |
| 853 | Higher education | 400249 | 118097 | 461170 | 223613 | 299491 | 64909 | 269814 | 88828 | 1889431 | 1383687 | 374003 | 214399 | 209495 | 1921088 | 24958071 |
| 854 | Other education | 3858 | 31301 | 13168 | 27740 | 36118 | 1126 | 19241 | 5553 | 23165 | 25701 | 6597 | 18159 | 194730 | 5331 | 1344165 |
| 855 | Educational support activities | 476837 | 253165 | 1126846 | 244438 | 825971 | 166689 | 684786 | 173838 | 2400146 | 1877640 | 1487765 | 138578 | 292039 | 2720651 | 49841403 |
| Sindh | | 283302 | 193303 | 277730 | 89892 | 245106 | 165718 | 98998 | 63644 | 2773908 | 961458 | 135284 | 358757 | 92779 | 2049314 | 16596980 |
| 851 | Pre-primary and primary education | 27520 | 30718 | 54195 | 28128 | 40254 | 4333 | 16019 | 10773 | 100956 | 11185 | 28328 | 74 | 11601 | 96628 | 1803181 |
| 852 | Secondary education | 73218 | 65928 | 75910 | 12613 | 92310 | 28315 | 14281 | 41799 | 120637 | 35861 | 87810 | 4521 | 19764 | 106855 | 3340860 |
| 853 | Higher education | 177014 | 92241 | 136880 | 47504 | 97022 | 132488 | 67606 | 11070 | 2534662 | 913244 | 15968 | 354163 | 60743 | 1843794 | 11117458 |
| 854 | Other education | 749 | 4416 | 10744 | 1647 | 10718 | 582 | 1091 | 1 | 17654 | 1167 | 3178 | 0 | 670 | 2037 | 308111 |
| 855 | Educational support activities | 4802 | 0 | 0 | 0 | 4802 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27369 |
| Balochistan | | 36136 | 540702 | 40476 | 203957 | 228557 | 32218 | 298537 | 133067 | 75902 | 75842 | 22166 | 2197926 | 800 | 1477 | 8428529 |
| 851 | Pre-primary and primary education | 2597 | 1393 | 4768 | 409 | 2361 | 652 | 1625 | 0 | 6166 | 974 | 3462 | 170 | 0 | 477 | 105130 |
| 852 | Secondary education | 19200 | 19805 | 6122 | 1075 | 13472 | 1124 | 2291 | 1061 | 32756 | 30610 | 16985 | 1705 | 800 | 1000 | 515627 |
| 853 | Higher education | 11224 | 516346 | 29338 | 201610 | 206983 | 30313 | 276443 | 132000 | 35878 | 40421 | 1072 | 2196000 | 0 | 0 | 7715989 |
| 854 | Other education | 2120 | 596 | 248 | 0 | 879 | 0 | 143 | 0 | 978 | 3718 | 117 | 36 | 0 | 0 | 33315 |
| 855 | Educational support activities | 995 | 2563 | 0 | 863 | 4862 | 129 | 18036 | 7 | 124 | 120 | 531 | 16 | 0 | 0 | 58469 |

Note: Please see Table 4.7(a) for the description of product codes

4.10 Taxes and Depreciation

The details of taxes paid and depreciation charged by the establishments engaged in the education industry are presented in Table 4.8. The taxes have been divided into sub-categories, such as General Sales Tax (GST), motor vehicle tax/ land tax, excise/import duty, provincial/ district taxes, and other taxes. The total taxes paid by establishments in education industry amounts to Rs.3.6 billion including Rs.255.5 million (7%) on GST, motor vehicle/land tax (Rs.266.5 million), excise/import duties Rs.177.8 million (5%), provincial/ district taxes (Rs.321.2 million), other taxes worth of Rs.2.6 billion i.e. 72%. The total depreciation charged during the financial year 2016-17 stands at Rs.4 billion.

The provincial details of taxes suggest that around 45.7% of the taxes i.e. Rs.1.6 billion have been paid by establishments based in the province of Punjab whereas the share of KP is 40.4% i.e. Rs.1.45 billion and of Sindh is 13.7% i.e. Rs.602.6 million. The industry-wise detail of taxes paid by type at the national level is presented in Figure 4.9. Higher education has emerged as the leading contributor to tax payments followed by Secondary education.

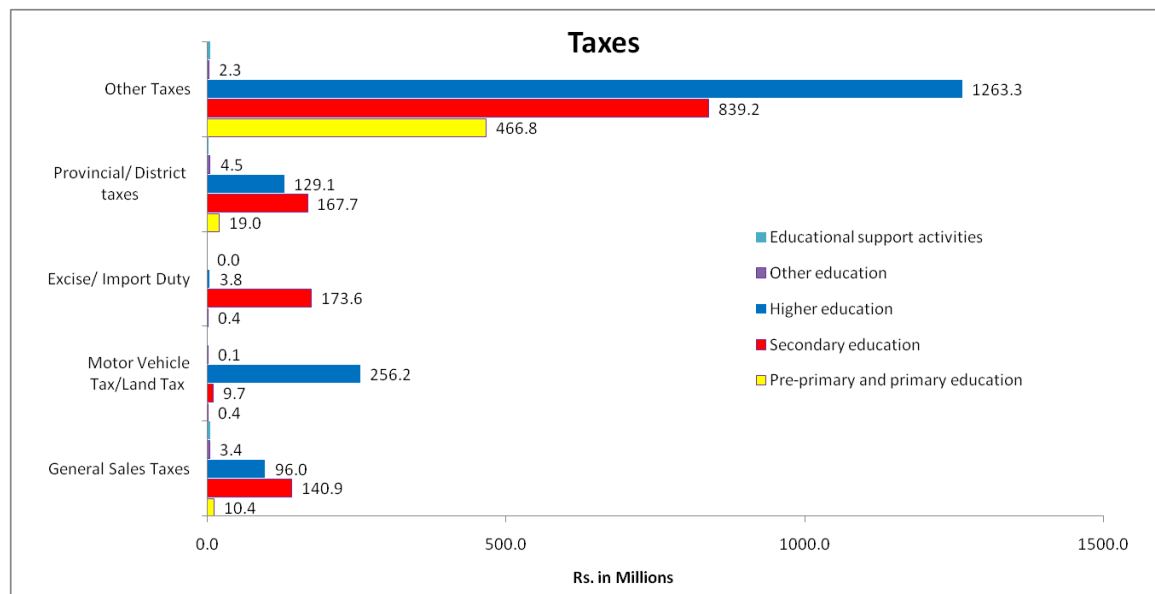


Figure 4.9: Taxes by Industry

Table 4.8 also summarizes the depreciation at the national and provincial levels. The percentage shares by the province in the depreciation are also presented in Figure 4.10 which shows that most of the depreciation has been charged by establishments based in Punjab (53.6%) followed by KP (31.3%) and Sindh (15.1%).

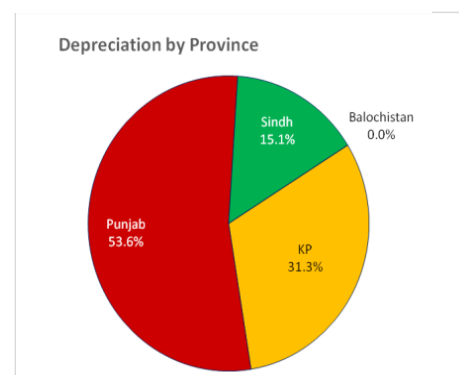


Figure 4.10: Province-wise Depreciation

Table 4.8: Taxes and Depreciation by PSIC (Rs.'000')

| PSIC | | General Sales Taxes | Motor Vehicle Tax/ Land Tax | Excise/ Import Duty | Provincial/ District taxes | Other Taxes | Total Taxes | Depreciation |
|--------------------|-----------------------------------|---------------------|-----------------------------|---------------------|----------------------------|----------------|----------------|----------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 255542 | 266468 | 177764 | 321233 | 2576396 | 3597402 | 3997313 |
| 851 | Pre-primary and primary education | 10428 | 417 | 427 | 18994 | 466808 | 497073 | 106925 |
| 852 | Secondary education | 140914 | 9745 | 173578 | 167714 | 839210 | 1331161 | 597759 |
| 853 | Higher education | 95993 | 256170 | 3759 | 129086 | 1263261 | 1748270 | 3292456 |
| 854 | Other education | 3367 | 136 | 0 | 4479 | 2315 | 10296 | 174 |
| 855 | Educational support activities | 4839 | 0 | 0 | 960 | 4803 | 10602 | 0 |
| KP | | 36072 | 17972 | 159054 | 53839 | 1186872 | 1453809 | 1252501 |
| 851 | Pre-primary and primary education | 541 | 0 | 95 | 49 | 394034 | 394719 | 95782 |
| 852 | Secondary education | 6606 | 571 | 157809 | 11357 | 497830 | 674173 | 527597 |
| 853 | Higher education | 28916 | 17401 | 1150 | 42081 | 294272 | 383821 | 629057 |
| Punjab | | 181928 | 152101 | 17191 | 244163 | 1050085 | 1645466 | 2142154 |
| 851 | Pre-primary and primary education | 6925 | 110 | 115 | 10891 | 65648 | 83688 | 11143 |
| 852 | Secondary education | 129780 | 5491 | 15206 | 155293 | 191802 | 497572 | 67640 |
| 853 | Higher education | 37027 | 146363 | 1870 | 74294 | 787211 | 1046764 | 2063266 |
| 854 | Other education | 3358 | 136 | 0 | 3686 | 1101 | 8282 | 105 |
| 855 | Educational support activities | 4839 | 0 | 0 | 0 | 4323 | 9162 | 0 |
| Sindh | | 34091 | 96089 | 1325 | 23231 | 337540 | 492276 | 602647 |
| 851 | Pre-primary and primary education | 762 | 0 | 152 | 8054 | 7049 | 16017 | 0 |
| 852 | Secondary education | 3279 | 3683 | 433 | 1064 | 147756 | 156216 | 2521 |
| 853 | Higher education | 30050 | 92406 | 740 | 12711 | 181777 | 317684 | 600122 |
| 854 | Other education | 0 | 0 | 0 | 441 | 477 | 919 | 5 |
| 855 | Educational support activities | 0 | 0 | 0 | 960 | 480 | 1440 | 0 |
| Balochistan | | 3450 | 307 | 194 | 0 | 1900 | 5851 | 12 |
| 851 | Pre-primary and primary education | 2200 | 307 | 65 | 0 | 78 | 2650 | 0 |
| 852 | Secondary education | 1250 | 0 | 129 | 0 | 1822 | 3201 | 0 |
| 853 | Higher education | 0 | 0 | 0 | 0 | 0 | 0 | 12 |

4.11 Output by Industry and Product

The output in the education industry by products has been reported in Table 4.9(a). According to the data, the total output of the education industry during 2016-17 amounts to Rs.548 billion. The product-wise detail suggests that the major contribution comes from post-secondary non-tertiary education i.e. Rs.91.1 billion (16.6%) followed by Rs.90.2 billion (16.5%) from primary education services, Rs.63.9 billion (11.7%) from tertiary education, Rs.58 billion (10.6%) from pre-primary education services, Rs.54.8 billion (10%) from lower secondary education, Rs.41.4 billion (7.6%) from upper secondary education, Rs.26.6 billion (4.9%) income from hostels, Rs.8.5 billion (1.6%) from other education and training services, Rs.4.8 billion from income

from provision of books and uniforms and Rs.108.8 billion (20%) from other incomes. The product-wise shares in output are also presented in Figure 4.11.

Table 4.9(a): Output by Product

| Items of Revenue | Codes | (Rs. in '000') | % Share |
|--|-------|----------------|---------|
| Pre-primary education services including earning from daycare activities | 601 | 58,001,076 | 10.6 |
| Primary education services | 602 | 90,178,261 | 16.5 |
| Lower secondary (middle) education services (general, technical and vocational) | 603 | 54,775,374 | 10.0 |
| Upper secondary (matric) education services (general, technical and vocational) | 604 | 41,405,400 | 7.6 |
| Post-secondary (Intermediate) non-tertiary education services | 605 | 91,112,521 | 16.6 |
| Tertiary (graduation & above) education services | 606 | 63,891,718 | 11.7 |
| Other education and training services and educational support services (training, culture, sports, etc.) | 607 | 8,495,129 | 1.6 |
| Income from hostels | 608 | 26,617,006 | 4.9 |
| Income from provision of books, notebooks, uniforms to students | 609 | 4,774,045 | 0.9 |
| Other Income | 610 | 108,787,115 | 19.9 |
| Total | 600 | 548,037,644 | 100.0 |

The detailed output of the education industry by product and PSIC at national and provincial levels is reported in Table 4.9(b). According to the data, most of the industry output i.e. Rs.313.6 billion (57.2%) has been contributed by establishments engaged in higher education followed by Rs.159.5 billion (29.1%) in general secondary education, Rs.61.9 billion (11.3%) in Pre-primary and primary education whereas remaining Rs.13.1 billion (2.4%) is collectively from technical and vocational secondary education, sports and recreation education, cultural education, other education, and educational support activities.

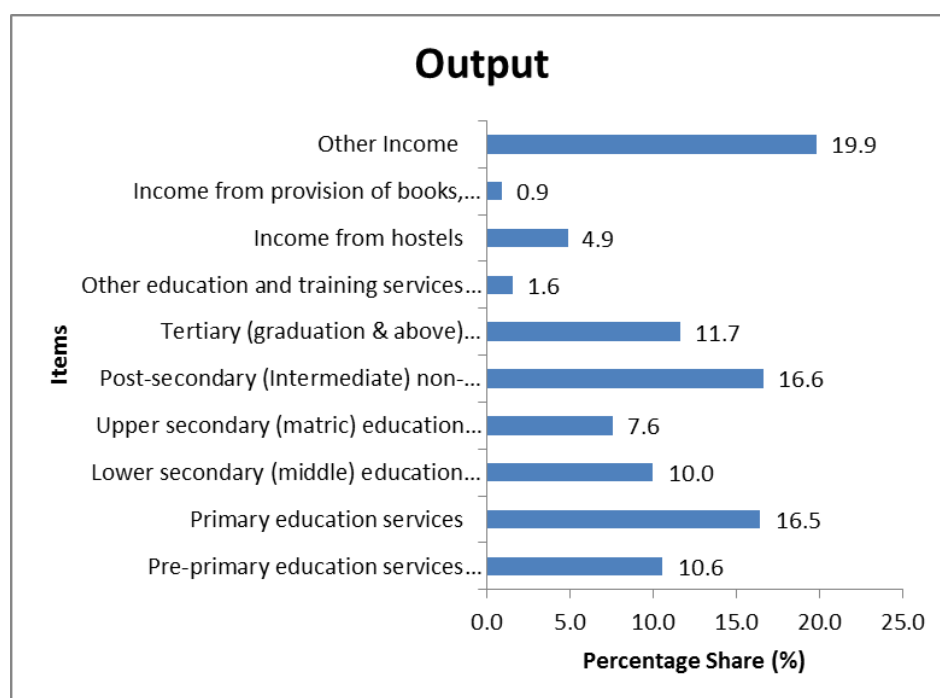


Figure 4.11: Product-wise Output

Table 4.9(b): Output by PSIC and Product (Rs.'000')

| PSIC/Revenue Code | | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 600 |
|--------------------|-----------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|------------------|------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Pakistan | | 58001076 | 90178261 | 54775374 | 41405400 | 91112521 | 63891718 | 8495129 | 26617006 | 4774045 | 108787115 | 548037644 |
| 851 | Pre-primary and primary education | 21285191 | 30619217 | 4960792 | 2793707 | 2880 | 960 | 97297 | 21401 | 1003068 | 1075408 | 61859920 |
| 852 | Secondary education | 30173777 | 52098289 | 40658298 | 23746891 | 4406854 | 1026415 | 898777 | 280053 | 1900107 | 7123626 | 162313085 |
| 853 | Higher education | 6368012 | 6970675 | 8766565 | 13524381 | 85543998 | 60856999 | 5795960 | 26298732 | 1520229 | 97940228 | 313585777 |
| 854 | Other education | 138039 | 449220 | 387272 | 1297022 | 1157565 | 436399 | 1624333 | 9478 | 341138 | 744165 | 6584630 |
| 855 | Educational support activities | 36058 | 40860 | 2447 | 43400 | 1224 | 1570946 | 78763 | 7342 | 9502 | 1903688 | 3694231 |
| KP | | 6131305 | 13503942 | 8291208 | 9893827 | 3520422 | 10519559 | 943928 | 1681580 | 1029266 | 13531714 | 69046753 |
| 851 | Pre-primary and primary education | 1683980 | 3562983 | 615910 | 461215 | 0 | 0 | 0 | 1703 | 89667 | 487344 | 6902803 |
| 852 | Secondary education | 4058922 | 9258390 | 6254180 | 4525511 | 546562 | 725598 | 307720 | 105307 | 533703 | 4571439 | 30887333 |
| 853 | Higher education | 380158 | 644259 | 1352471 | 4813125 | 2855370 | 9791514 | 341364 | 1557749 | 284559 | 8405592 | 30426162 |
| 854 | Other education | 5798 | 35863 | 66200 | 84187 | 117266 | 0 | 273820 | 9478 | 111835 | 67339 | 771785 |
| 855 | Educational support activities | 2447 | 2447 | 2447 | 9789 | 1224 | 2447 | 21024 | 7342 | 9502 | 0 | 58671 |
| Punjab | | 44307845 | 54777806 | 36921828 | 24856634 | 82701143 | 42882079 | 6360170 | 20543107 | 3131375 | 19055161 | 335537148 |
| 851 | Pre-primary and primary education | 17244993 | 11673132 | 2018113 | 1029717 | 2880 | 960 | 20335 | 19698 | 912442 | 437712 | 33359982 |
| 852 | Secondary education | 21734591 | 36963520 | 28665363 | 16077948 | 3790106 | 299453 | 535968 | 167681 | 1279262 | 1586998 | 111100889 |
| 853 | Higher education | 5229800 | 5808460 | 6015021 | 6709261 | 77928969 | 40757752 | 4580104 | 20355727 | 787458 | 14826407 | 182998959 |
| 854 | Other education | 98460 | 332696 | 223331 | 1039708 | 979187 | 255417 | 1166025 | 0 | 152214 | 465125 | 4712161 |
| 855 | Educational support activities | 0 | 0 | 0 | 0 | 0 | 1568499 | 57739 | 0 | 0 | 1738919 | 3365157 |
| Sindh | | 6791436 | 9247428 | 8871216 | 6232617 | 4872846 | 10406692 | 1107302 | 4392319 | 587811 | 66020352 | 118530019 |
| 851 | Pre-primary and primary education | 2171723 | 3382423 | 2206344 | 1195036 | 0 | 0 | 76962 | 0 | 299 | 141806 | 9174593 |
| 852 | Secondary education | 3851060 | 5268257 | 5222877 | 2938659 | 53985 | 1364 | 31060 | 7065 | 69052 | 963045 | 18406424 |
| 853 | Higher education | 701261 | 478883 | 1345008 | 1923903 | 4757749 | 10224345 | 874492 | 4385255 | 448211 | 64704829 | 89843936 |
| 854 | Other education | 33781 | 79453 | 96986 | 141407 | 61112 | 180983 | 124788 | 0 | 70249 | 210673 | 999431 |
| 855 | Educational support activities | 33611 | 38413 | 0 | 33611 | 0 | 0 | 0 | 0 | 0 | 0 | 105635 |
| Balochistan | | 770490 | 12649083 | 691122 | 422322 | 18110 | 83389 | 83728 | 0 | 25592 | 10179887 | 24923724 |
| 851 | Pre-primary and primary education | 184494 | 12000680 | 120424 | 107739 | 0 | 0 | 0 | 0 | 660 | 8546 | 12422542 |
| 852 | General secondary education | 529205 | 608122 | 515878 | 204771 | 16200 | 0 | 24029 | 0 | 18091 | 2144 | 1918440 |
| 853 | Higher education | 56791 | 39073 | 54065 | 78092 | 1910 | 83389 | 0 | 0 | 0 | 10003400 | 10316720 |
| 854 | Other education n.e.c. | 0 | 1208 | 755 | 31721 | 0 | 0 | 59700 | 0 | 6842 | 1028 | 101253 |
| 855 | Educational support activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 164769 | 164769 |

Note: Please see table 4.9(a) for the description of product codes.

Province-wise data suggest that output by establishments belonging to Punjab province stands at Rs.335.5 billion i.e. 61.2% of the total followed by Rs.118.5 billion (21.6%) by those based in Sindh, Rs.69.0 billion (12.6%) in KP and Rs.24.9 billion (4.5%) in Balochistan. The province-wise shares are also presented in Figure 4.12

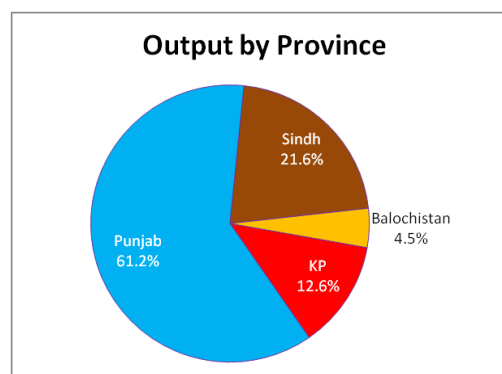


Figure 4.12: Province wise Output

4.12 Gross Fixed Capital Formation

GFCF is the net capital accumulation of the fixed asset during an accounting period. The expenditure made on GFCF in the education industry is reported in Table 4.10. According to the data, total expenditure on GFCF during 2016-17 amounts to Rs.88.9 billion. The major contributions are from higher education (Rs.42.0 billion) and secondary education (Rs.40.3 billion) that constitutes 47.2% and 45.3% of the total GFCF respectively. The remaining 7.5% of GFCF related expenditure has been reported in pre-primary and primary education, educational support activities and other education.

As far as product-wise expenditure on GFCF is concerned, the major chunk of GFCF (Rs.59.6 billion) has been reported under the head of other buildings and structure with the relative contribution of 67%. The GFCF expenditure on machinery and equipment stands at Rs.24.8 billion (27.9%) followed by Rs.3.1 billion (3%) on dwelling and Rs.1.4 billion (2%) on intellectual property products. The GFCF at the provincial level is also given in the Table 4.10 which suggests that 64.0% of the GFCF in education industry has been reported by establishments in Punjab i.e. Rs.56.9 billion followed by 17.2% in KP (Rs.15.3 billion), 14.9% in Sindh (Rs.13.3 billion), and around 3.9% in Balochistan.

The GFCF by province and products, in comparative form, in the education industry is presented in Figure 4.13. Other buildings and structures have emerged as the major product of expenditure in the education industry in Punjab, KP, and Sindh.

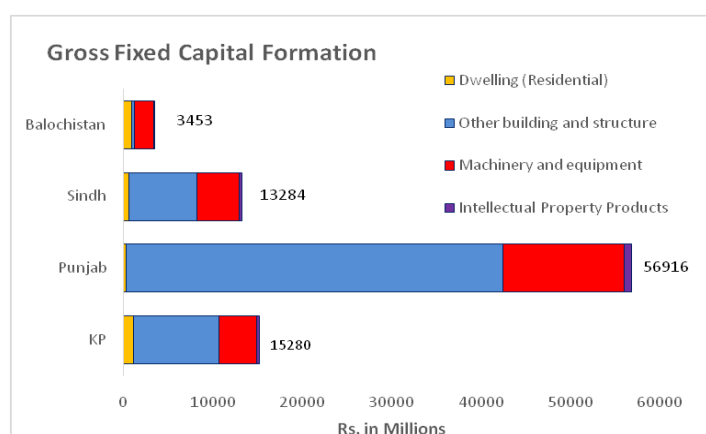


Figure 4.13: GFCF by Product and Province

Table 4.10: GFCF by Type of Assets and PSIC (Rs. in '000')

| PSIC | | Dwelling (Residential) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|--------------------|-----------------------------------|---------------------------|------------------------------------|-------------------------------|--------------------------------------|-------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 3,075,402 | 59,579,715 | 24,840,334 | 1,438,219 | 88,933,670 |
| 851 | Pre-primary and primary education | 25,418 | 1,404,174 | 1,836,536 | 82,933 | 3,349,061 |
| 852 | Secondary education | 1,112,801 | 33,577,484 | 5,384,053 | 214,913 | 40,289,251 |
| 853 | Higher education | 1,441,312 | 23,865,611 | 15,592,340 | 1,069,086 | 41,968,349 |
| 854 | Other education | 495,871 | 206,757 | 217,968 | 64,377 | 984,972 |
| 855 | Educational support activities | 0 | 525,690 | 1,809,438 | 6,910 | 2,342,037 |
| KP | | 1,160,348 | 9,499,317 | 4,286,819 | 333,185 | 15,279,669 |
| 851 | Pre-primary and primary education | 7,560 | 617,076 | 364,244 | 31,706 | 1,020,586 |
| 852 | Secondary education | 5,598 | 1,134,358 | 1,313,406 | 76,948 | 2,530,310 |
| 853 | Higher education | 1,147,190 | 7,745,111 | 2,570,678 | 220,690 | 11,683,670 |
| 854 | Other education | 0 | 2771 | 38286 | 3841 | 44899 |
| 855 | Educational support activities | 0 | 0 | 206 | 0 | 206 |
| Punjab | | 346,997 | 42,194,506 | 13,577,791 | 797,059 | 56,916,354 |
| 851 | Pre-primary and primary education | 17,386 | 591,179 | 1,165,291 | 49,209 | 1,823,065 |
| 852 | Secondary education | 77,395 | 30,860,605 | 3,420,548 | 90,837 | 34,449,384 |
| 853 | Higher education | 252,217 | 10,216,417 | 8,670,244 | 591,138 | 19,730,015 |
| 854 | Other education | 0 | 5,418 | 99,725 | 58,965 | 164,109 |
| 855 | Educational support activities | 0 | 520,888 | 221,982 | 6,910 | 749,780 |
| Sindh | | 623,892 | 7,641,678 | 4,717,254 | 301,550 | 13,284,374 |
| 851 | Pre-primary and primary education | 473 | 193,603 | 280,893 | 1,169 | 476,138 |
| 852 | Secondary education | 85,643 | 1,545,277 | 511,464 | 41,697 | 2,184,082 |
| 853 | Higher education | 41,906 | 5,700,934 | 3,849,843 | 257,112 | 9,849,796 |
| 854 | Other education | 495,871 | 197,062 | 75,054 | 1,570 | 769,557 |
| 855 | Educational support activities | 0 | 4,802 | 0 | 0 | 4,802 |
| Balochistan | | 944,166 | 244,214 | 2,258,470 | 6,424 | 3,453,274 |
| 851 | Pre-primary and primary education | 0 | 2,315 | 26,108 | 849 | 29,272 |
| 852 | Secondary education | 944,166 | 37,245 | 138,634 | 5,431 | 1,125,475 |
| 853 | Higher education | 0 | 203,149 | 501,575 | 145 | 704,869 |
| 854 | Other education | 0 | 1,505 | 4,902 | 0 | 6,407 |
| 855 | Educational support activities | 0 | 0 | 1,587,250 | 0 | 1,587,250 |

4.13 Summary Findings: Education

Summary findings of the study on education 2016-17 are presented in Table 4.11. The total output at producer's prices in the education industry in the private sector has been estimated at Rs.548.0 billion which becomes Rs.545.3 billion at basic prices after the deduction of net taxes on products amounting to Rs.2.8 billion. The total intermediate consumption at purchaser's prices is valued at Rs.92.3 billion. Resultantly, overall GVA at basic prices has been computed as Rs.453.0 billion. From an industry point of view, the contribution of higher education towards overall GVA of the industry stands at Rs.262.1 billion i.e. 57.9% followed by Rs.133.1 billion i.e. 29.4% in secondary education, Rs.50.1 billion i.e. 11.1% in Pre-primary and primary education. The contribution of establishments engaged in other education is around 1.2% and that of Educational support activities is 0.6%. The industry-wise data on GVA has also been presented in Figure 4.14. The provincial contributions in output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices are also presented in Table 4.11. The contribution of establishments based in Punjab province in overall GVA is 61.9%, i.e. Rs.280.2 billion followed by Rs.101.6 billion (22.4%) in Sindh, Rs.54.4 billion (12%) in KP. The contribution of establishments belonging to Balochistan in overall GVA stands at around 3.7%. The provincial GVA is also presented in Figure 4.15, which identifies Punjab as the major contributor followed by Sindh and KP respectively.

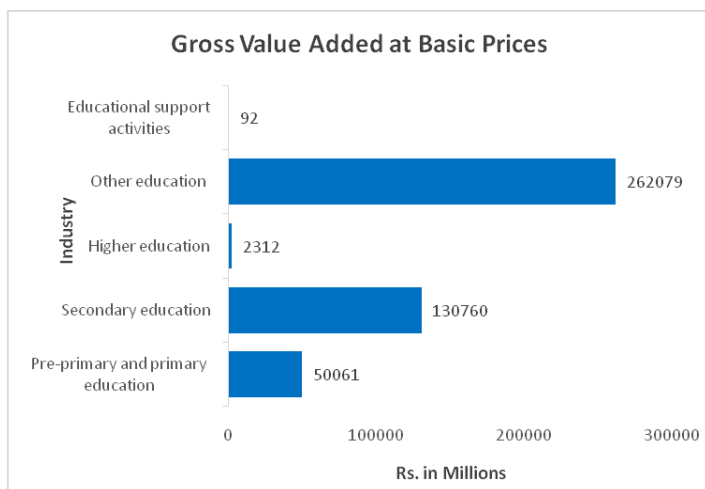


Figure 4.15: Industry-wise GVA

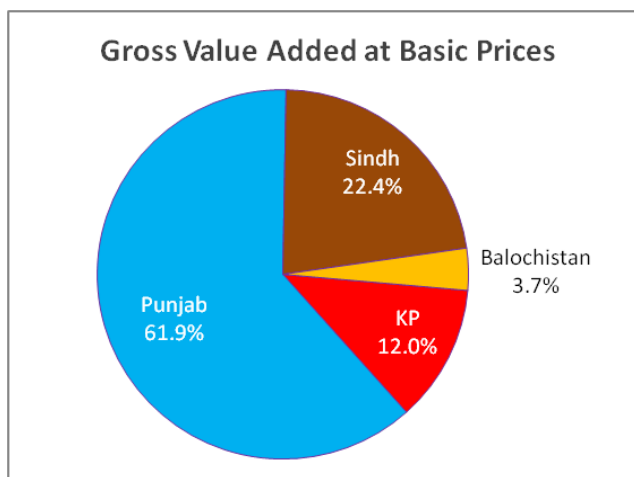


Figure 4.14: GVA by Province

also

Table 4.11: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | Gross Value Added at basic prices |
|--------------------|-----------------------------------|-----------------------------------|--|---------------------------|--|---|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 548037644 | 2754161 | 545283484 | 92303136 | 452980347 |
| 851 | Pre-primary and primary education | 61859920 | 467235 | 61392685 | 11331216 | 50061470 |
| 852 | Secondary education | 162313085 | 1012788 | 161300297 | 28228299 | 133071998 |
| 853 | Higher education | 313585777 | 1267020 | 312318757 | 50239935 | 262078822 |
| 854 | Other education | 6618042 | 2315 | 6615728 | 1343220 | 5272509 |
| 855 | Educational support activities | 3660820 | 4803 | 3656017 | 1160468 | 2495549 |
| KP | | 69046753 | 1345926 | 67700827 | 13261856 | 54438971 |
| 851 | Pre-primary and primary education | 6902803 | 394128 | 6508675 | 1059561 | 5449114 |
| 852 | Secondary education | 30887333 | 655639 | 30231693 | 5388445 | 24843248 |
| 853 | Higher education | 30426162 | 295422 | 30130740 | 6680314 | 23450425 |
| 854 | Other education | 805196 | 736 | 804460 | 128458 | 676001 |
| 855 | Educational support activities | 25260 | 0 | 25260 | 5078 | 20182 |
| Punjab | | 335537148 | 1067276 | 334469872 | 54212482 | 280257390 |
| 851 | Pre-primary and primary education | 33359982 | 65763 | 33294219 | 8374118 | 24920103 |
| 852 | Secondary education | 111100889 | 207008 | 110893882 | 19026228 | 91867654 |
| 853 | Higher education | 182998959 | 789081 | 182209879 | 24869243 | 157340635 |
| 854 | Other education | 4712161 | 1101 | 4711060 | 873335 | 3837725 |
| 855 | Educational support activities | 3365157 | 4323 | 3360834 | 1069560 | 2291274 |
| Sindh | | 118530019 | 338866 | 118191154 | 16533336 | 101657818 |
| 851 | Pre-primary and primary education | 9174593 | 7202 | 9167391 | 1792408 | 7374983 |
| 852 | Secondary education | 18406424 | 148190 | 18258234 | 3299060 | 14959174 |
| 853 | Higher education | 89843936 | 182517 | 89661419 | 11106388 | 78555031 |
| 854 | Other education | 999431 | 477 | 998954 | 308110 | 690845 |
| 855 | Educational support activities | 105635 | 480 | 105154 | 27369 | 77786 |
| Balochistan | | 24923724 | 2094 | 24921630 | 8295462 | 16626169 |
| 851 | Pre-primary and primary education | 12422542 | 142 | 12422400 | 105130 | 12317270 |
| 852 | Secondary education | 1918440 | 0 | 35413 | 5518 | 29895 |
| 853 | Higher education | 10316720 | 0 | 10316720 | 7583989 | 2732731 |
| 854 | Other education | 101253 | 0 | 101253 | 33315 | 67938 |
| 855 | Educational support activities | 164769 | 0 | 164769 | 58462 | 106307 |

**Table 4.12: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Education**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|--|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 79,348 | 0 | 89,897 | 13.29 | - |
| Output at basic Prices (Rs.Million) | 32,645 | 161,399 | 545,283 | 1570.32 | 237.85 |
| Intermediate at purchaser's Prices (Rs.Million) | 9,999 | 35,548 | 92,303 | 823.10 | 159.66 |
| Gross Value Added at basic prices (Rs.Million) | 22,646 | 125,851 | 452,980 | 1900.26 | 259.94 |
| GFCF (Rs.Million) | 2,495 | 47,296 | 88,934 | 3464.48 | 88.04 |

Chapter 5 : Human Health and Social Work Industry

5.1 Introduction

This chapter of the report relates to “Human health and social work activities” which are described in Section Q of the PSIC. Human health and social work activities are comprised of three distinct Divisions of the PSIC i.e. 86-Human health activities, 87-Residential care activities, and 88-Social work activities without accommodation.

As part of the rebasing of national accounts from 2005-06 to 2015-16, human health and social work activities have been broadly divided into i) Human health and social work activities provided by public sector institutions of federal, provincial and district governments purely on non-market basis and covered in budget of respective governments ii) Autonomous bodies engaged in provision of human health and social work activities and falling under federal and provincial governments but with separate budgets, iii,) Human health and social work activities provided by non-profit institutions purely on non-market basis and iv) Human health and social work activities provided in the private sector on market basis. The current report covers only the fourth part i.e. human health and social work activities carried out in the private sector on a market basis whereas the first three parts have been covered separately. However, value-added contribution of autonomous bodies providing human health and social work activities at economically significant prices i.e. with market output; has been combined with the private sector. Further, in order to have a better assessment of the contribution of private sector human health and social work activities, they have been further divided into census and survey parts. In the census part, private sector hospitals have been covered separately. In the survey part, health and social work establishment operating in the selected block was covered under Survey on “Other Private Services”. For the census part, a predefined list of the establishment was provided to PBS Regional/Field offices with clear instruction not to cover any establishment twice, if it falls in a block selected for the survey part. The results of both census and survey parts have been combined to represent the private sector human health and social work activities as a whole.

It is important to note that data has been collected, processed by establishments at 5-digit levels of the PSIC and has been aggregate at 3-digits for convenience purposes. All the aggregates i.e. number of establishments, number of employees, employment cost, output, intermediate consumption, taxes & depreciation, GFCF, and GVA have been presented at the 3-digit level of the PSIC. The primary objective of the exercise is to provide the requisite information for the rebasing of national accounts. However, the detailed information can also be useful for sectoral analysis by the researchers, academicians, and policymakers.

5.2 Coverage

5.2.1 Geographical Coverage

The summary of the coverage of establishments engaged in human health and social work activities at national and provincial levels is presented in Table 5.1(a). According to the data, the number of establishments engaged in human health and social work activities in the private sector stands at 118892 out of which 69459 units belong to Punjab, 26525 to KP, 19938 to Sindh and 2970 to Balochistan. The percentage shares in the coverage, also presented in Figure 5.1, by

the province in Balochistan, KP, Punjab, and Sindh stands at 2.5%, 22.3%, 58.5%, and 16.7% respectively.

Table 5.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 118892 | 100 |
| KP | 26525 | 22.3% |
| Punjab | 69459 | 58.5% |
| Sindh | 19938 | 16.7% |
| Balochistan | 2970 | 2.5% |

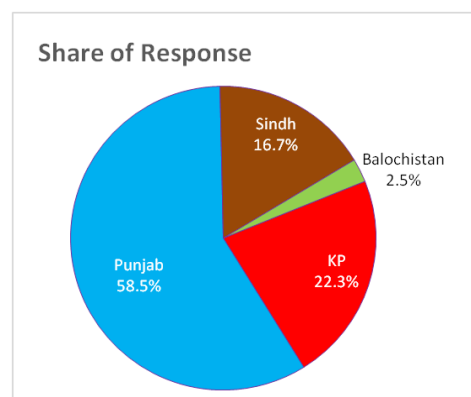


Figure 5.1: Coverage by Province

5.2.2 Industry-wise Coverage

The industry-wise coverage of establishments engaged in human health and social work activities at national and provincial levels is presented in Table 5.1(b). The major industries covered in the study are hospital activities, medical and dental practice activities, other human health activities, residential nursing care facilities, residential care activities for mental retardation, mental health and substance abuse, social work activities without accommodation for the elderly and disabled and other social work activities without accommodation. According to the data, the majority of the establishments i.e. 57564 out of 118892 (48.4%) were engaged in medical and dental practice activities followed by 45949 (38.6%) in other human health activities and 13577 (11.4%) in hospital activities. The remaining 1.5% of establishments were engaged in residential care activities for mental retardation, mental health, and substance abuse and other social work activities without accommodation.

Table 5.1(b): Coverage by PSIC at National and Provincial levels, 2016-17

| PSIC | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|---|----------|-------|--------|-------|-------------|
| | | 118892 | 26525 | 69459 | 19938 | 2970 |
| 861 | Hospital activities | 13577 | 900 | 6939 | 4252 | 1487 |
| 862 | Medical and dental practice activities | 57564 | 16075 | 30243 | 10172 | 1075 |
| 869 | Other human health activities | 45949 | 9026 | 31845 | 4670 | 408 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 160 | 32 | 0 | 128 | 0 |
| 889 | Other social work activities without accommodation | 1641 | 492 | 433 | 716 | 0 |

A comparative picture of industry-wise coverage by province is presented in Figure 5.2. It is evident from the figure that most of the establishments in each province are engaged in medical and dental activities except Balochistan's number of establishments engaged in hospital activities is highest.

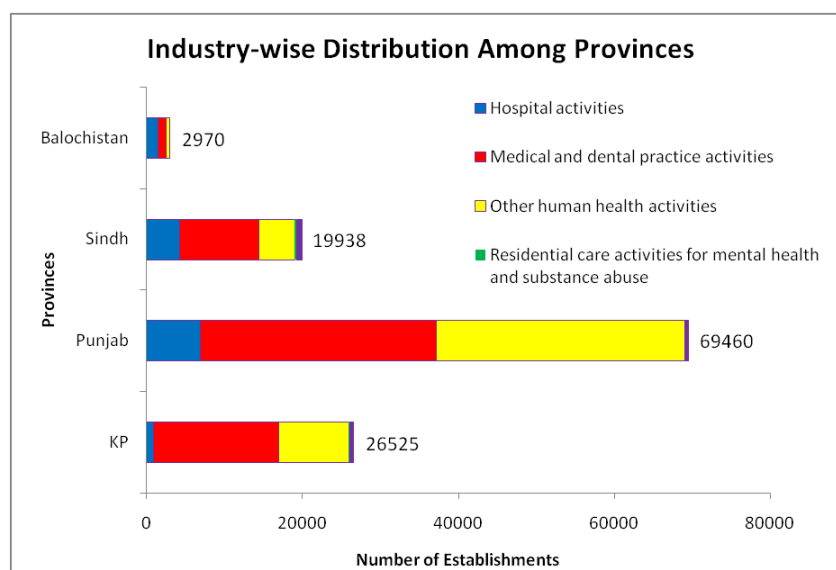


Figure 5.2: Industry-wise Coverage by Province

5.3 Registration Status

The number of establishments registered with government agencies by PSIC at national and provincial levels is presented in Table 5.2(a). According to the data, the number of registered establishments in human health and social work activities stands at 42970 i.e. 36.1% of the total. The percentage of establishments registered in Baluchistan, KP, Punjab and Sindh provinces stand at 43.9%, 44.2%, 37.9%, and 18.1% respectively.

Table 5.2(a): Number of Establishments Registered with Government Agencies by PSIC

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|---|--------|-------------------------------------|-------|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | | | | | | | |
| | | 118892 | 42970 | 11711 | 26355 | 3599 | 1304 | 36.1 |
| 861 | Hospital activities | 13577 | 5630 | 450 | 3504 | 599 | 1077 | 41.5 |
| 862 | Medical and dental practice activities | 57564 | 21233 | 8364 | 10552 | 2130 | 188 | 36.9 |
| 869 | Other human health activities | 45949 | 15922 | 2864 | 12185 | 833 | 39 | 34.7 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 160 | 32 | 32 | 0 | - | - | 20.2 |
| 889 | Other social work activities without accommodation | 1641 | 152 | 1 | 115 | 36 | - | 9.2 |

From the industry point of view, the number of registered establishments in hospital activities is 5630 out of 13577 i.e. 41.5%. The number of establishments registered in medical and dental practice activities stands at 21233 (37%) followed by 15922 (34.7%) in other human health activities. Further, the number of registered establishments in residential care activities for

mental retardation, mental health and substance abuse and other social work activities without accommodation stands at 32 (20%) and 152 (9.3%) respectively.

5.4 Maintenance of Accounts

Alongside the registration status, the criteria for maintenance of accounts are also used to classify whether an establishment is formal or informal. Therefore, all the establishments were asked whether they maintain their accounts or not. The summary of responses to this question is provided in Table 5.2(b). According to the data, 12835 establishments, i.e. 10.8% in human health and social work industry are maintaining their accounts. The proportion of establishments maintaining their accounts is 6.7%, 16.2%, 9.2% and 9.7% in the provinces of Baluchistan, KP, Punjab, and Sindh respectively.

Table 5.2(b): Number of Establishment Maintaining Accounts by PSIC

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintaining Accounts (Total) |
|------|---|--------|---|------|--------|-------|-------------|--------------------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 118892 | 12835 | 4305 | 6394 | 1938 | 199 | 10.8 |
| 861 | Hospital activities | 13577 | 2927 | 294 | 2085 | 488 | 60 | 21.6 |
| 862 | Medical and dental practice activities | 57564 | 7300 | 3648 | 2462 | 1059 | 132 | 12.7 |
| 869 | Other human health activities | 45949 | 2539 | 363 | 1779 | 391 | 6 | 5.5 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 160 | - | - | - | - | - | - |
| 889 | Other social work activities without accommodation | 1641 | 68 | 1 | 67 | - | - | 4.2 |

The industry-wise data suggest that 21.6% i.e. 2927 out of 13577 of establishments working in hospital activities are maintaining their accounts. The number of establishments maintaining their accounts in medical and dental practice activities is 7300 (12.7%) followed by 2539 in other human health activities (5.5%) and 68 in other social work activities without accommodation (4.2%).

The combined summary of registration status and accounts maintenance by province is presented in Figure 5.3. As is evident from the figure, the majority of the establishments in human health and social work activities are

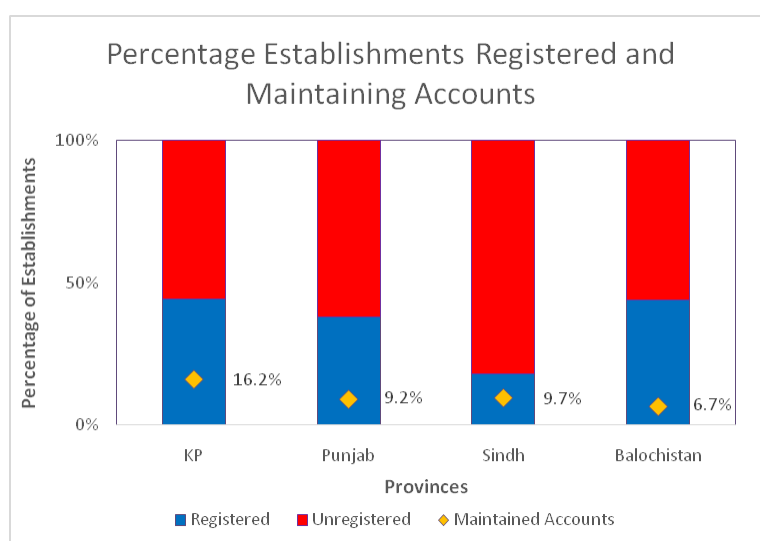


Figure 5.3: Summary of Establishments: Registered and Maintaining Accounts

unregistered across all the provinces. The proportion of establishments maintaining accounts is highest in KP at 16.2% against the national average of 11%.

5.5 Type of Ownership in Health & Social Work Industry

The number of the establishment by type of organization at national and provincial levels is presented in Table 5.3(a). The data suggest that individual ownership accounts for the operation of 115276 out of 118891 establishments i.e. 97% of the human health and social work industry. The partnership is the second most common form of ownership i.e. 2.2% among health and social work establishments. The remaining 0.8% of establishments works as Private Limited companies, Public Limited companies, Cooperatives, and others.

Table 5.3(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|-------|--------|-------|-------------|
| | 118891 | 26525 | 69458 | 19938 | 2970 |
| Individual Ownership | 115276 | 25130 | 67620 | 19596 | 2929 |
| Partnership | 2573 | 1115 | 1309 | 144 | 5 |
| Private Ltd. Co. | 142 | 48 | 16 | 78 | - |
| Public Ltd. Co | 107 | 95 | 11 | 1 | - |
| Cooperative | 162 | - | 85 | 45 | 32 |
| Others | 632 | 136 | 417 | 75 | 4 |

The number of establishments by type of organization and PSIC at national and provincial levels is presented in Table 5.3(b). According to the data, percentage of individual ownership in hospital activities is 94.9% whereas it is 96.5% in medical and dental practice activities, 98.0% in other human health activities, 92.5% in residential care activities for mental retardation, mental health and substance abuse and 99.5% in other social work activities without accommodation. The proportion of partnership is 3.1% in hospital activities, 2.9% in medical and dental practice activities, 1.0% in other human health activities, 7.5% in residential care activities for mental retardation, mental health and substance abuse and 0.3% in other social work activities without accommodation.

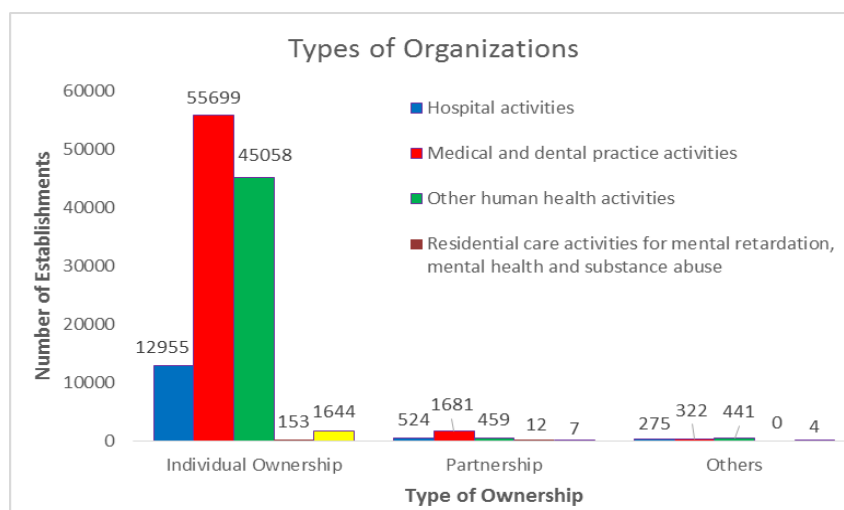


Figure 5.4: Type of Ownership by PSIC

The remaining establishments are owned by private limited companies, public limited companies, cooperatives, and others. A combined picture of the type of ownership and industries is presented in Figure 5.4 which suggests that individual ownership is the most common form of organizational structure with the majority of the establishments in medical and dental practice activities.

Table 5.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. | Public Ltd. Co | Cooperative | Others |
|------|---|----------|----------------------|-------------|------------------|----------------|-------------|--------|
| | | 118891 | 115276 | 2573 | 142 | 107 | 162 | 632 |
| 861 | Hospital activities | 13577 | 12887 | 416 | 26 | 21 | 0 | 228 |
| 862 | Medical and dental practice activities | 57559 | 55555 | 1681 | 5 | 62 | 51 | 204 |
| 869 | Other human health activities | 45956 | 45056 | 459 | 107 | 24 | 111 | 199 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 160 | 148 | 12 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 1638 | 1629 | 5 | 4 | 0 | 0 | 0 |

5.6 Employment by Type, Gender and Industry

Employment in the human health and social work industry in the private sector by type and gender at national and provincial levels is presented in Table 5.4(a). Data suggest that total number of persons engaged in health and social work industry stands at 294928 out of which 116032 (39.3%) are working proprietors, 30658 (10.4%) are doctors, 14354 (4.9%) are unpaid family workers, 67344 (22.8%) are nursing & paramedical staff and 66540 (22.6%) are other employees.

The percentage share by employment type, gender and province are also presented in Figure 5.5. From the gender point of view, health and social work are dominated by male employees, 83.6% i.e. 246578 as compared to 48349 (16.4%) females. It is evident from the figure that the percentage share of females is higher in the nursing and paramedical staff category i.e. 32.9%.

Provincial detail of employees, presented in Table 5.4(a) suggest that out of 58391 employees in KP, 26954 i.e. 46.2% are working as working proprietor. The majority of them i.e. 97.9% are male and the remaining 2.1% are female. Out of 4908 doctors in KP, 3777 (77%) are male and 1131 (23%) are female whereas among nursing & paramedical staff the proportion of male and

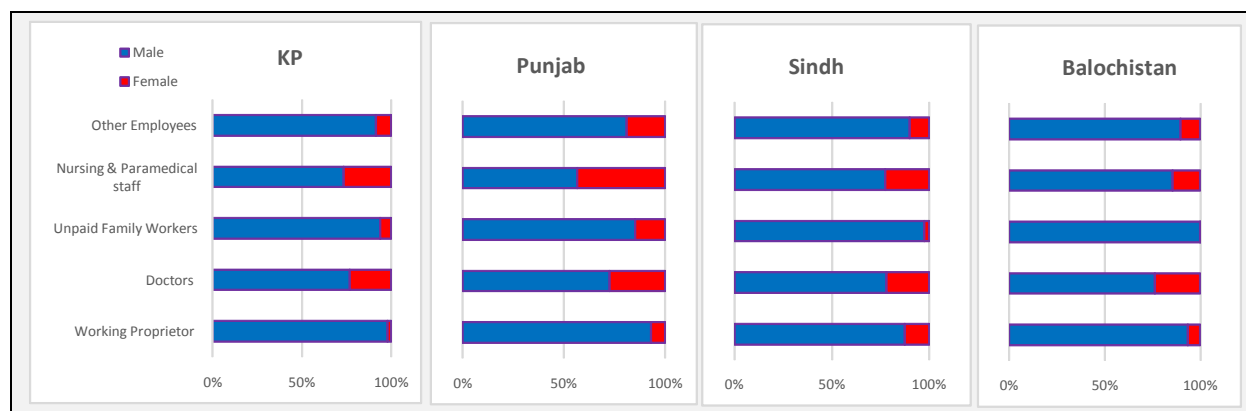


Figure 5.5: Employment by Type, Gender and Province

female workers stand at 73.4% and 26.6% respectively. The total number of unpaid family workers in KP is 3566 out of which 6.2% are females and 93.8% are males. Among 13277, other employees 91.4% are males and the remaining 8.6% are females.

Table 5.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|-----------------------------|----------------|---------------|----------------|
| Pakistan | 246,578 | 48,349 | 294,928 |
| Working Proprietor | 108,347 | 7,686 | 116,032 |
| Doctors | 23,079 | 7,579 | 30,658 |
| Unpaid Family Workers | 12,985 | 1,368 | 14,354 |
| Nursing & Paramedical staff | 45,207 | 22,137 | 67,344 |
| Other Employees | 56,961 | 9,579 | 66,540 |
| KP | 52,745 | 5,646 | 58,391 |
| Working Proprietor | 26,397 | 557 | 26,954 |
| Doctors | 3,777 | 1,131 | 4,908 |
| Unpaid Family Workers | 3,344 | 221 | 3,566 |
| Nursing & Paramedical staff | 7,141 | 2,594 | 9,735 |
| Other Employees | 12,085 | 1,142 | 13,227 |
| Punjab | 127,732 | 30,428 | 158,160 |
| Working Proprietor | 64,464 | 4,791 | 69,255 |
| Doctors | 10,702 | 4,034 | 14,736 |
| Unpaid Family Workers | 6,287 | 1,087 | 7,375 |
| Nursing & Paramedical staff | 18,329 | 13,958 | 32,287 |
| Other Employees | 27,949 | 6,558 | 34,508 |
| Sindh | 59,714 | 11,643 | 71,357 |
| Working Proprietor | 14,806 | 2,147 | 16,953 |
| Doctors | 8,182 | 2,283 | 10,465 |
| Unpaid Family Workers | 2,231 | 58 | 2,288 |
| Nursing & Paramedical staff | 18,705 | 5,409 | 24,114 |
| Other Employees | 15,789 | 1,747 | 17,536 |
| Balochistan | 6,388 | 631 | 7,019 |
| Working Proprietor | 2,679 | 190 | 2,869 |
| Doctors | 418 | 131 | 549 |
| Unpaid Family Workers | 1,123 | 1 | 1,125 |
| Nursing & Paramedical staff | 1,031 | 176 | 1,208 |
| Other Employees | 1,137 | 132 | 1,268 |

The number of persons engaged in the human health and social work industry and engaged as a working proprietor stands at 69255 (43.8%) in Punjab, 16953 (23.8%) in Sindh and 2869 (40.9%) in Balochistan. The share of male working proprietors stands at 93.1% in Punjab and

Table 5.4(b): Number of Persons Engaged by Type, Gender and Province by PSIC

| PSIC | | Working Proprietor | | | Doctors | | | Unpaid Family Workers | | | Nursing & Paramedical staff | | | Other Employees | | | Total | | |
|-------------|---|--------------------|--------|---------|---------|--------|--------|-----------------------|--------|--------|-----------------------------|--------|--------|-----------------|--------|--------|---------|--------|---------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 108,347 | 7,686 | 116,032 | 23,079 | 7,579 | 30,658 | 12,985 | 1,368 | 14,354 | 45,207 | 22,137 | 67,344 | 56,961 | 9,579 | 66,540 | 246,578 | 48,349 | 294,928 |
| 861 | Hospital activities | 11,677 | 916 | 12,594 | 17,646 | 6,118 | 23,764 | 2,464 | 523 | 2,987 | 21,286 | 16,314 | 37,600 | 28,828 | 6,411 | 35,239 | 81,901 | 30,283 | 112,184 |
| 862 | Medical and dental practice activities | 53,192 | 3,029 | 56,220 | 4,458 | 1,156 | 5,614 | 5,827 | 378 | 6,205 | 18,070 | 4,757 | 22,827 | 20,380 | 2,595 | 22,975 | 101,928 | 11,914 | 113,841 |
| 869 | Other human health activities | 41,998 | 3,463 | 45,460 | 939 | 293 | 1,232 | 4,526 | 464 | 4,991 | 5,653 | 926 | 6,579 | 7,424 | 573 | 7,998 | 60,540 | 5,720 | 66,260 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 46 | 114 | 160 | 36 | 12 | 48 | 0 | 0 | 0 | 119 | 48 | 167 | 82 | 0 | 82 | 282 | 174 | 456 |
| 889 | Other social work activities without accommodation | 1,434 | 164 | 1,598 | 0 | 0 | 0 | 167 | 4 | 171 | 78 | 92 | 171 | 247 | 0 | 247 | 1,927 | 260 | 2,187 |
| KP | | 26,397 | 557 | 26,954 | 3,777 | 1,131 | 4,908 | 3,344 | 221 | 3,566 | 7,141 | 2,594 | 9,735 | 12,085 | 1,142 | 13,227 | 52,745 | 5,646 | 58,391 |
| 861 | Hospital activities | 844 | 47 | 891 | 3,238 | 1,063 | 4,301 | 272 | 9 | 280 | 3,303 | 2,154 | 5,457 | 6,109 | 741 | 6,850 | 13,767 | 4,013 | 17,780 |
| 862 | Medical and dental practice activities | 16,227 | 387 | 16,614 | 471 | 68 | 539 | 1,845 | 100 | 1,945 | 2,847 | 440 | 3,287 | 5,143 | 350 | 5,493 | 26,532 | 1,346 | 27,878 |
| 869 | Other human health activities | 8,834 | 90 | 8,925 | 69 | 0 | 69 | 1,213 | 113 | 1,326 | 991 | 0 | 991 | 800 | 51 | 851 | 11,908 | 254 | 12,162 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 32 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 32 | 65 | 0 | 65 |
| 889 | Other social work activities without accommodation | 459 | 33 | 492 | 0 | 0 | 0 | 14 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 473 | 33 | 506 |
| Punjab | | 64,464 | 4,791 | 69,255 | 10,702 | 4,034 | 14,736 | 6,287 | 1,087 | 7,375 | 18,329 | 13,958 | 32,287 | 27,949 | 6,558 | 34,508 | 127,732 | 30,428 | 158,160 |
| 861 | Hospital activities | 6,418 | 643 | 7,060 | 8,529 | 3,443 | 11,973 | 741 | 496 | 1,237 | 10,081 | 10,659 | 20,740 | 14,835 | 4,496 | 19,330 | 40,603 | 19,736 | 60,340 |
| 862 | Medical and dental practice activities | 28,288 | 1,835 | 30,123 | 1,877 | 389 | 2,265 | 3,009 | 236 | 3,245 | 5,482 | 2,565 | 8,047 | 8,388 | 1,707 | 10,095 | 47,045 | 6,731 | 53,776 |
| 869 | Other human health activities | 29,369 | 2,314 | 31,683 | 295 | 202 | 496 | 2,494 | 351 | 2,845 | 2,766 | 647 | 3,413 | 4,635 | 356 | 4,993 | 39,560 | 3,871 | 43,430 |
| 872 | Residential nursing care facilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 390 | 0 | 390 | 0 | 0 | 0 | 44 | 4 | 47 | 0 | 87 | 87 | 91 | 0 | 91 | 524 | 91 | 614 |
| Sindh | | 14,806 | 2,147 | 16,953 | 8,182 | 2,283 | 10,465 | 2,231 | 58 | 2,288 | 18,705 | 5,409 | 24,114 | 15,789 | 1,747 | 17,536 | 59,714 | 11,643 | 71,357 |
| 861 | Hospital activities | 3,127 | 93 | 3,220 | 5,651 | 1,507 | 7,158 | 392 | 16 | 409 | 7,503 | 3,386 | 10,889 | 7,171 | 1,070 | 8,241 | 23,845 | 6,072 | 29,916 |
| 862 | Medical and dental practice activities | 7,672 | 765 | 8,436 | 2,004 | 698 | 2,702 | 957 | 41 | 998 | 9,382 | 1,752 | 11,134 | 6,606 | 538 | 7,144 | 26,619 | 3,794 | 30,414 |
| 869 | Other human health activities | 3,408 | 1,045 | 4,453 | 493 | 65 | 558 | 772 | 0 | 772 | 1,623 | 218 | 1,841 | 1,806 | 140 | 1,946 | 8,102 | 1,468 | 9,570 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 14 | 114 | 128 | 36 | 12 | 48 | 0 | 0 | 0 | 119 | 48 | 167 | 49 | 0 | 49 | 218 | 174 | 391 |
| 889 | Other social work activities without accommodation | 586 | 131 | 716 | 0 | 0 | 0 | 110 | 0 | 110 | 78 | 5 | 84 | 157 | 0 | 157 | 931 | 136 | 1,066 |
| Balochistan | | 2,679 | 190 | 2,869 | 418 | 131 | 549 | 1,123 | 1 | 1,125 | 1,031 | 176 | 1,208 | 1,137 | 132 | 1,268 | 6,388 | 631 | 7,019 |
| 861 | Hospital activities | 1,288 | 135 | 1,423 | 228 | 105 | 333 | 1,060 | 1 | 1,061 | 398 | 115 | 514 | 712 | 105 | 818 | 3,686 | 462 | 4,148 |
| 862 | Medical and dental practice activities | 1,005 | 43 | 1,048 | 107 | 0 | 107 | 17 | 0 | 17 | 360 | 0 | 360 | 243 | 0 | 243 | 1,732 | 43 | 1,774 |
| 869 | Other human health activities | 386 | 13 | 399 | 82 | 26 | 109 | 47 | 0 | 47 | 273 | 61 | 334 | 181 | 26 | 208 | 970 | 127 | 1,097 |

Balochistan and 87.3% in Sindh. The percentage share of doctors in total employment stands at 9.3%, 14.7%, and 7.8%, whereas, the proportion of the male doctors is 72.6%, 78.2% and 76.1% in Punjab, Sindh, and Balochistan respectively. There are 7375 (4.7%) individuals working as unpaid family workers in Punjab followed by 2288 (3.2%) and 1125 (16.0%) in Sindh and Balochistan. The number of employees engaged as nursing & paramedical staff is 32287 (20.4%), 24114 (33.8%) and 1208 (17.2%) in Punjab, Sindh, and Balochistan respectively.

Further detail of the number of persons engaged in health and social work activities at national and provincial levels by PSIC is presented in Table 5.4(b). According to the data, the number of persons engaged in hospital activities stands at 112,184 followed by 113,841 in medical and dental practice activities, 66,260 in other human health activities, 2,187 in other social work activities without accommodation and 456 in residential care activities for mental retardation, mental health and substance abuse.

5.7 Employment Cost

Employment cost incurred by establishments engaged in human health and social work activities at national and provincial levels is presented in Table 5.5. Employment costs have been estimated at a detailed industry level separately including wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. According to the results, expenditure on employment cost in the health and social work industry is Rs.76.86 billion including Rs.69 billion on wages & salaries in cash, Rs.7.63 billion on other cash payments and Rs.221.8 million on payments in kind i.e. non-cash benefits.

The industry-wise details of employment cost indicate that in hospital activities, expenditure on employment cost is Rs.69.4 billion including Rs.61.7 billion on wages & salaries in cash, Rs.7.59 million on other cash payments and Rs.96.2 million on payments in kind. Employment cost in medical and dental practice activities stands at Rs.5.2 billion out of which Rs.5 billion were paid on wages & salaries in cash, Rs.40.1 million on other cash payments and Rs.83.3 million on non-cash benefits. Expenditure on employment cost in other human health activities stands at Rs.2.22 billion out of which Rs.2.16 billion were paid on wages & salaries in cash, Rs.11.4 million on other cash payments and Rs.42.2 million in non-cash benefits. In residential care activities for mental retardation, mental health, and substance abuse, employment cost stands at Rs.60.63 million including Rs.60.59 million on wages & salaries in cash, Rs.15 thousand in other cash payments and Rs.22 thousands in payments in kind. The employment cost

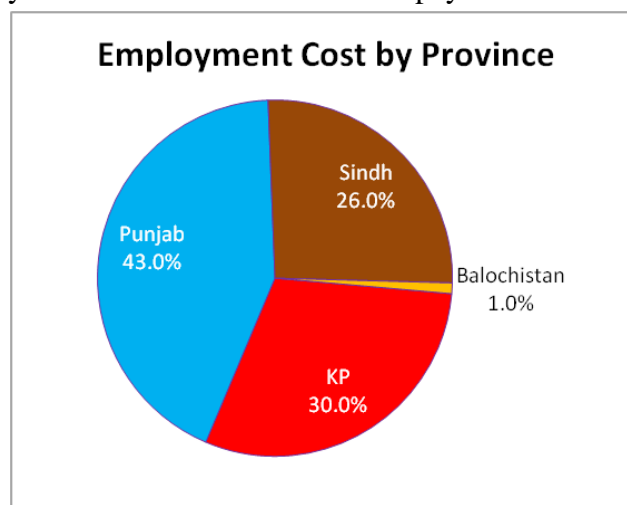


Figure 5.6: Employment Cost by Province

in other social work activities without accommodation is Rs.32.7 million including Rs.32.6 million on wages & salaries in cash, and Rs.96thousandsonpayments in kind.

The aggregates of employment cost at provincial levels are also presented in Table 5.5 and Figure 5.6. According to the data, employment cost in human health and social work industry relating to establishments in Punjab province stands at Rs.33.0 billion i.e. 43% followed by Rs.23.1 billion (30%) by those in KP, Rs.20 billion (26%) in Sindh and Rs.0.741 billion (0.7%) in Balochistan. In Punjab, 88.2% of the employment cost relates to hospital activities, 9.0% to medical and dental practice activities and 2.8% to other human health activities.

Table 5.5: Employment Cost by PSIC (Rs.'000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|-------------|---|------------------|---------------------|-------------------------------------|------------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 68,998,983 | 7,638,577 | 221,797 | 76,859,356 |
| 861 | Hospital activities | 61,709,440 | 7,587,052 | 96,201 | 69,392,693 |
| 862 | Medical and dental practice activities | 5,032,912 | 40,106 | 83,305 | 5,156,322 |
| 869 | Other human health activities | 2,163,447 | 11,404 | 42,173 | 2,217,024 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 60,595 | 15 | 22 | 60,632 |
| 889 | Other social work activities without accommodation | 32,589 | 0 | 96 | 32,685 |
| KP | | 20,483,734 | 2,492,320 | 75,461 | 23,051,515 |
| 861 | Hospital activities | 17,694,976 | 2,470,441 | 8,233 | 20,173,651 |
| 862 | Medical and dental practice activities | 1,636,493 | 20,391 | 45,612 | 1,702,497 |
| 869 | Other human health activities | 1,150,680 | 1,473 | 21,593 | 1,173,746 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 1,586 | 15 | 22 | 1,622 |
| Punjab | | 29,946,496 | 2,986,547 | 114,571 | 33,047,613 |
| 861 | Hospital activities | 26,109,752 | 2,958,840 | 66,803 | 29,135,394 |
| 862 | Medical and dental practice activities | 2,918,138 | 18,036 | 28,911 | 2,965,085 |
| 869 | Other human health activities | 889,612 | 9,670 | 18,802 | 918,084 |
| 889 | Other social work activities without accommodation | 28,995 | 0 | 54 | 29,050 |
| Sindh | | 17,896,348 | 2,094,818 | 27,999 | 20,019,165 |
| 861 | Hospital activities | 17,279,071 | 2,092,981 | 18,521 | 19,390,573 |
| 862 | Medical and dental practice activities | 440,644 | 1,576 | 8,407 | 450,627 |
| 869 | Other human health activities | 114,030 | 261 | 1,028 | 115,319 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 59,010 | 0 | 0 | 59,010 |
| 889 | Other social work activities without accommodation | 3,593 | 0 | 42 | 3,635 |
| Balochistan | | 672,405 | 64,891 | 3,767 | 741,063 |
| 861 | Hospital activities | 625,641 | 64,789 | 2,644 | 693,074 |
| 862 | Medical and dental practice activities | 37,637 | 102 | 374 | 38,113 |
| 869 | Other human health activities | 9,126 | 0 | 749 | 9,876 |

In Sindh, about 96.9% of total employment cost has been incurred by establishments engaged in hospital activities, 2.3% in medical and dental practice activities and 0.9% in remaining industries. In KP, the employment cost of hospital activities is 87.5% followed by 7.4% in medical and dental practice activities, 5.1% in other human health activities. In Balochistan, around 93.5% of the employment cost relates to hospital activities followed by 5.1% in medical and dental practice activities and 1.3% in other human health activities.

5.8 Input Cost by Industry and Product

The detail of expenditures incurred on inputs by products in the human health and social work industry is presented in Table 5.6(a). According to the data, total expenditure on inputs in health establishments amounts to Rs.69.5 billion. As per details of product-wise expenditure, the major part of the expenditure relates to medicines purchased which are Rs.34.6 billion. The expenses on medicines alone constitute 49.8% of the total expenditure on inputs in the human health and social work industry. The expenditure on other medical products such as chemical elements, inorganic chemical products, and pharmaceutical, artificial plastic materials, medical instruments, orthopedic appliances, and other medical products stands collectively at Rs.6.5 billion i.e. 9.3%. The expenditure on rent of building has turned out to be another major item with Rs.5.7 billion (8.2%) followed by utilities including electricity, gas water, telephone/ internet and postage/ courier with Rs.8.2 billion (11.7%). The expenditure on fuel and lubricant, transportation and travel expenses stands at around Rs.2.3 billion (3.4%). Entertainment, advertising, and promotion costs stand at Rs.1.2 billion (1.8%), insurance premium at Rs.245.6 million (0.4%) and other expenditures at Rs.3.6 billion (5.2%). The detail of product-wise expenditure is also presented in Figure 5.7.

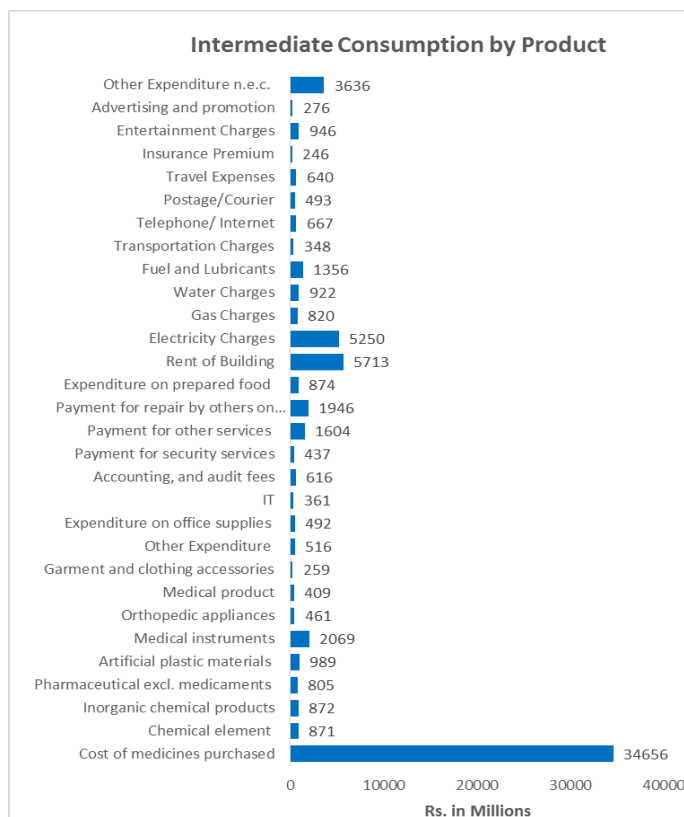


Figure 5.7: Input Cost by Product

Further details of input costs by products and PSIC at national and provincial levels are presented in Tables 5.6(b). The industry-wise detail of inputs suggests that input cost incurred in hospital activities stands at Rs.41.9 billion i.e. 60.2% of the total followed by Rs.19.4 billion (27.9%) in medical and dental practice activities and Rs.8.0 billion (11.5%) in other human health activities. The remaining Rs.0.3 billion (0.4%) have been incurred in residential care activities for mental retardation, mental health, and substance abuse and other social work activities without accommodation.

The province-wise data on inputs, presented in Table 5.6(b) suggest that share of establishments belonging to Punjab province stands at Rs.33.7 billion (48.4%) followed by Rs.17.6 billion (25.3%) in KP, Rs.17.0 billion (24.4%) in Sindh and Rs.1.3 billion (1.8%) in Balochistan.

Table 5.6(a): Input Cost by Product

| Items of Expenditures | Codes | (Rs.in '000') | % Share |
|---|-------|---------------|---------|
| Cost of medicines purchased | 401 | 34,656,013 | 49.83 |
| Chemical elements (such as Oxygen, iodine, etc. | 402 | 871,223 | 1.25 |
| Inorganic chemical products (such as hydrogen peroxide, teeth filling, etc. | 403 | 871,544 | 1.25 |
| Pharmaceutical excluding medicaments (such as bandages, plasters, etc.) | 404 | 804,605 | 1.16 |
| Artificial plastic materials (such as alginic acid, polymers, etc.) | 405 | 989,353 | 1.42 |
| Medical instruments (such as syringes, disposable items etc.) | 406 | 2,069,041 | 2.97 |
| Orthopedic appliances (such as artificial limbs, teeth, etc.) | 407 | 461,495 | 0.66 |
| Medical product (such as medicament, vaccines etc.) | 408 | 408,848 | 0.59 |
| Garment and clothing accessories | 409 | 259,335 | 0.37 |
| Other Expenditure (such as gloves, lest sticks, herbs, blood bags, etc) | 410 | 515,619 | 0.74 |
| Expenditure on stationery and office supplies | 411 | 491,571 | 0.71 |
| Payment for data processing and other services related to information technology | 412 | 360,938 | 0.52 |
| Accounting, secretarial and audit fees | 413 | 615,735 | 0.89 |
| Payment for security services | 414 | 436,664 | 0.63 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 415 | 1,604,481 | 2.31 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | 1,946,249 | 2.80 |
| Expenditure on prepared food including grocery | 417 | 873,900 | 1.26 |
| Rent of Building | 418 | 5,713,137 | 8.21 |
| Electricity Charges | 419 | 5,249,792 | 7.55 |
| Gas Charges | 420 | 819,942 | 1.18 |
| Water Charges | 421 | 921,550 | 1.33 |
| Fuel and Lubricants | 422 | 1,355,689 | 1.95 |
| Transportation Charges | 423 | 347,922 | 0.50 |
| Telephone/Fax/Telegraph/ Internet | 424 | 667,480 | 0.96 |
| Postage/Courier | 425 | 492,937 | 0.71 |
| Travel Expenses | 426 | 640,355 | 0.92 |
| Insurance Premium | 427 | 245,641 | 0.35 |
| Entertainment Charges | 428 | 945,838 | 1.36 |
| Advertising and promotion | 429 | 275,890 | 0.40 |
| Other Expenditure n.e.c. | 430 | 3,636,495 | 5.23 |
| Total | 400 | 69,549,285 | 100.00 |

Table 5.6 (b): Input Cost by PSIC and Product (Rs. in ‘000’)

| PSIC | | *401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 |
|-------------|--|------------|---------|---------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Pakistan | | 34,656,013 | 871,223 | 871,544 | 804,605 | 989,353 | 2,069,041 | 461,495 | 408,848 | 259,335 | 515,619 | 491,571 | 360,938 | 615,735 | 436,664 | 1,604,481 |
| 861 | Hospital activities | 19,390,929 | 533,623 | 435,989 | 322,724 | 892,105 | 1,306,920 | 240,614 | 178,859 | 180,475 | 188,315 | 347,510 | 355,639 | 613,199 | 347,695 | 1,567,803 |
| 862 | Medical and dental practice activities | 10,939,176 | 203,069 | 372,689 | 325,711 | 67,947 | 526,994 | 197,097 | 175,671 | 56,153 | 181,319 | 84,257 | 1,175 | 788 | 72,183 | 31,726 |
| 869 | Other human health activities | 4,196,259 | 130,288 | 62,866 | 139,224 | 28,125 | 217,033 | 23,785 | 53,026 | 20,679 | 141,087 | 55,135 | 3,978 | 1,748 | 16,245 | 4,952 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 14,514 | 1,143 | 0 | 2,381 | 0 | 3,326 | 0 | 0 | 476 | 2,143 | 2,443 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 115,136 | 3,101 | 0 | 14,564 | 1,176 | 14,769 | 0 | 1,292 | 1,552 | 2,754 | 2,226 | 145 | 0 | 541 | 0 |
| KP | | 10,995,877 | 128,301 | 106,200 | 197,809 | 94,113 | 371,574 | 75,654 | 60,755 | 15,430 | 66,861 | 98,996 | 70,494 | 68,904 | 44,945 | 223,783 |
| 861 | Hospital activities | 4,858,871 | 48,820 | 25,623 | 81,218 | 63,350 | 161,393 | 18,634 | 18,805 | 11,485 | 16,813 | 64,519 | 69,755 | 68,881 | 26,075 | 195,481 |
| 862 | Medical and dental practice activities | 4,871,332 | 30,593 | 56,916 | 86,465 | 23,853 | 133,197 | 43,108 | 24,085 | 1,524 | 24,727 | 25,236 | 568 | 0 | 17,638 | 28,043 |
| 869 | Other human health activities | 1,210,783 | 48,760 | 23,661 | 29,702 | 5,981 | 76,179 | 13,911 | 17,856 | 2,421 | 25,317 | 8,712 | 171 | 23 | 1,228 | 259 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 0 | 0 | 350 | 0 | 0 | 0 | 0 | 300 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 54,891 | 128 | 0 | 425 | 928 | 455 | 0 | 10 | 0 | 3 | 229 | 0 | 0 | 4 | 0 |
| Punjab | | 16,917,531 | 392,939 | 432,597 | 298,191 | 501,800 | 794,973 | 245,953 | 139,936 | 112,013 | 259,822 | 223,530 | 164,593 | 280,447 | 203,371 | 791,134 |
| 861 | Hospital activities | 9,239,364 | 295,399 | 220,113 | 123,099 | 482,219 | 557,877 | 122,256 | 80,855 | 99,121 | 93,254 | 168,494 | 162,094 | 279,204 | 174,550 | 784,793 |
| 862 | Medical and dental practice activities | 4,949,614 | 47,822 | 185,399 | 97,978 | 5,633 | 155,197 | 116,606 | 39,728 | 7,183 | 75,652 | 21,269 | 178 | 480 | 27,533 | 1,649 |
| 869 | Other human health activities | 2,706,099 | 49,718 | 27,084 | 77,115 | 13,949 | 81,880 | 7,090 | 19,353 | 5,709 | 90,917 | 33,717 | 2,321 | 764 | 1,288 | 4,692 |
| 872 | Residential care activities for mental retardation, mental health, and substance abuse | | | | | | | | | | | | | | | |
| 889 | Other social work activities without accommodation | 22,453 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 |
| Sindh | | 6,039,945 | 343,227 | 313,412 | 296,212 | 382,693 | 864,382 | 134,055 | 204,810 | 128,789 | 184,800 | 164,754 | 121,104 | 259,358 | 180,317 | 571,771 |
| 861 | Hospital activities | 4,732,081 | 184,376 | 186,203 | 107,923 | 336,855 | 571,156 | 97,678 | 77,196 | 67,653 | 75,474 | 110,833 | 119,769 | 258,749 | 140,245 | 569,737 |
| 862 | Medical and dental practice activities | 992,786 | 123,007 | 115,882 | 139,676 | 37,736 | 221,025 | 34,972 | 111,854 | 46,559 | 80,720 | 37,140 | 429 | 308 | 25,910 | 2,034 |
| 869 | Other human health activities | 262,773 | 31,728 | 11,327 | 32,092 | 7,854 | 54,928 | 1,406 | 14,478 | 12,549 | 23,712 | 12,694 | 761 | 301 | 13,624 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 14,514 | 1,143 | 0 | 2,381 | 0 | 2,976 | 0 | 0 | 476 | 2,143 | 2,143 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 37,791 | 2,973 | 0 | 14,139 | 247 | 14,296 | 0 | 1,282 | 1,552 | 2,751 | 1,945 | 145 | 0 | 537 | 0 |
| Balochistan | | 702,660 | 6,756 | 19,335 | 12,393 | 10,747 | 38,113 | 5,834 | 3,347 | 3,103 | 4,134 | 4,291 | 4,746 | 7,026 | 8,030 | 17,793 |
| 861 | Hospital activities | 560,613 | 5,028 | 4,050 | 10,485 | 9,682 | 16,493 | 2,046 | 2,003 | 2,216 | 2,774 | 3,665 | 4,021 | 6,366 | 6,823 | 17,793 |
| 862 | Medical and dental practice activities | 125,443 | 1,647 | 14,491 | 1,592 | 725 | 17,574 | 2,410 | 4 | 887 | 219 | 613 | 0 | 0 | 1,103 | 0 |
| 869 | Other human health activities | 16,604 | 81 | 794 | 315 | 341 | 4,045 | 1,378 | 1,340 | 0 | 1,141 | 13 | 725 | 660 | 104 | 0 |

Note: Please see Table 5.6(a) for the description of expenditure codes

Table 5.6(b): Input Cost by PSIC and Product (Rs. in '000')

| PSIC | | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | Total |
|-------------|--|-----------|---------|-----------|-----------|---------|---------|-----------|---------|---------|---------|---------|---------|---------|---------|-----------|------------|
| I | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| Pakistan | | 1,946,249 | 873,900 | 5,713,137 | 5,249,792 | 819,942 | 921,550 | 1,355,689 | 347,922 | 667,480 | 492,937 | 640,355 | 245,641 | 945,838 | 275,890 | 3,636,495 | 69,549,285 |
| 861 | Hospital activities | 1,792,551 | 596,776 | 2,045,520 | 3,031,045 | 730,848 | 795,292 | 860,541 | 150,247 | 257,170 | 471,110 | 416,311 | 225,754 | 209,195 | 175,699 | 3,210,029 | 41,870,487 |
| 862 | Medical and dental practice activities | 116,914 | 225,301 | 2,416,198 | 1,495,977 | 67,592 | 83,379 | 354,815 | 117,648 | 256,858 | 11,343 | 124,516 | 16,202 | 495,678 | 40,550 | 314,877 | 19,373,804 |
| 869 | Other human health activities | 34,739 | 48,799 | 1,231,523 | 702,473 | 21,094 | 39,176 | 121,076 | 74,813 | 147,732 | 10,325 | 89,598 | 3,596 | 229,567 | 58,561 | 109,723 | 8,017,223 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 1,786 | 187 | 3,004 | 8,189 | 286 | 3,579 | 3,572 | 3 | 606 | 2 | 1,162 | 0 | 2,045 | 713 | 0 | 51,559 |
| 889 | Other social work activities without accommodation | 259 | 2,837 | 16,891 | 12,108 | 122 | 124 | 15,686 | 5,211 | 5,115 | 158 | 8,768 | 89 | 9,353 | 368 | 1,867 | 236,212 |
| KP | | 389,509 | 112,713 | 1,289,301 | 1,074,063 | 157,532 | 200,099 | 221,416 | 127,990 | 121,647 | 26,730 | 90,568 | 21,148 | 202,256 | 52,523 | 896,551 | 17,603,744 |
| 861 | Hospital activities | 358,383 | 74,865 | 278,398 | 526,270 | 136,010 | 184,412 | 74,093 | 9,795 | 43,042 | 25,259 | 33,765 | 20,308 | 22,251 | 19,021 | 643,214 | 8,178,811 |
| 862 | Medical and dental practice activities | 22,145 | 9,564 | 817,068 | 436,227 | 19,797 | 11,391 | 115,848 | 75,488 | 51,678 | 593 | 41,687 | 727 | 138,175 | 18,285 | 244,162 | 7,370,122 |
| 869 | Other human health activities | 8,981 | 26,960 | 187,752 | 108,867 | 1,725 | 4,288 | 26,715 | 40,936 | 26,254 | 878 | 14,512 | 113 | 34,780 | 14,980 | 9,067 | 1,971,771 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 44 | 2,996 | 1,043 | 0 | 7 | 0 | 0 | 7 | 0 | 22 | 0 | 749 | 236 | 0 | 5,753 |
| 889 | Other social work activities without accommodation | 0 | 1,280 | 3,087 | 1,657 | 0 | 0 | 4,759 | 1,771 | 666 | 0 | 582 | 0 | 6,300 | 0 | 109 | 77,286 |
| Punjab | | 877,414 | 320,603 | 2,891,250 | 2,898,356 | 381,374 | 366,904 | 660,358 | 128,443 | 331,778 | 306,038 | 349,213 | 121,028 | 431,211 | 148,658 | 1,715,991 | 33,687,450 |
| 861 | Hospital activities | 835,865 | 298,706 | 1,072,546 | 1,623,682 | 356,844 | 343,258 | 480,574 | 78,393 | 133,327 | 291,766 | 249,855 | 119,655 | 113,276 | 104,259 | 1,607,723 | 20,592,419 |
| 862 | Medical and dental practice activities | 24,073 | 11,539 | 964,231 | 769,717 | 11,092 | 13,129 | 134,264 | 21,443 | 117,956 | 6,761 | 42,793 | 749 | 164,045 | 10,925 | 38,316 | 8,062,955 |
| 869 | Other human health activities | 17,476 | 10,357 | 845,725 | 500,512 | 13,361 | 10,516 | 45,216 | 26,622 | 78,273 | 7,365 | 55,352 | 624 | 151,745 | 33,210 | 69,540 | 4,987,589 |
| 872 | Residential care activities for mental retardation, mental health, and substance abuse | | | | | | | | | | | | | | | | |
| 889 | Other social work activities without accommodation | 0 | 0 | 8,748 | 4,445 | 78 | 0 | 303 | 1,984 | 2,222 | 147 | 1,214 | 0 | 2,145 | 264 | 412 | 44,486 |
| Sindh | | 642,021 | 426,890 | 1,419,709 | 1,211,517 | 268,661 | 341,826 | 426,925 | 84,073 | 198,542 | 155,217 | 193,915 | 100,398 | 250,691 | 69,335 | 995,105 | 16,974,455 |
| 861 | Hospital activities | 564,886 | 213,625 | 653,960 | 836,371 | 226,529 | 258,302 | 267,578 | 56,886 | 74,073 | 149,199 | 128,462 | 83,008 | 57,924 | 48,509 | 932,167 | 12,187,407 |
| 862 | Medical and dental practice activities | 68,440 | 201,848 | 574,693 | 274,293 | 35,958 | 55,922 | 97,702 | 19,363 | 79,950 | 3,924 | 39,084 | 14,494 | 151,505 | 10,098 | 31,337 | 3,628,650 |
| 869 | Other human health activities | 6,649 | 9,717 | 185,991 | 87,701 | 5,844 | 23,907 | 47,450 | 6,366 | 41,693 | 2,082 | 18,257 | 2,807 | 39,058 | 10,146 | 30,256 | 998,152 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 1,786 | 143 | 9 | 7,147 | 286 | 3,572 | 3,572 | 3 | 599 | 2 | 1,140 | 0 | 1,296 | 476 | 0 | 45,806 |
| 889 | Other social work activities without accommodation | 259 | 1,557 | 5,056 | 6,005 | 44 | 124 | 10,623 | 1,455 | 2,227 | 11 | 6,972 | 89 | 908 | 105 | 1,345 | 114,440 |
| Balochistan | | 37,305 | 13,695 | 112,876 | 65,856 | 12,375 | 12,721 | 46,991 | 7,415 | 15,513 | 4,952 | 6,658 | 3,068 | 61,680 | 5,375 | 28,848 | 1,283,637 |
| 861 | Hospital activities | 33,417 | 9,580 | 40,616 | 44,722 | 11,465 | 9,319 | 38,296 | 5,173 | 6,727 | 4,886 | 4,229 | 2,783 | 15,744 | 3,910 | 26,926 | 911,849 |
| 862 | Medical and dental practice activities | 2,256 | 2,349 | 60,206 | 15,741 | 745 | 2,937 | 7,000 | 1,354 | 7,274 | 65 | 952 | 232 | 41,953 | 1,241 | 1,063 | 312,076 |
| 869 | Other human health activities | 1,633 | 1,765 | 12,055 | 5,393 | 165 | 464 | 1,695 | 888 | 1,512 | 0 | 1,478 | 52 | 3,984 | 225 | 860 | 59,711 |

Note: Please see Table 5.6(a) for the description of expenditure codes

5.9 Taxes and Depreciation

The details of taxes paid and depreciation charged by establishments engaged in the human health and social work industry are presented in Table 5.7. The data on taxes has been collected on various categories including GST, motor vehicle tax, land tax, excise/import duty, provincial/district taxes, and other taxes. The total taxes paid by in the subject matter industry amounts to Rs.4.1 billion including Rs.1.44 billion (35.2%) from the provincial/district tax, Rs.1.99 billion (48.5%) from other taxes, Rs.430.3 million from GST, Rs.180.1 million from motor vehicle/land taxes (4.4%) and Rs.57.9 million (1.3%) from excise/import duty.

Provincial data on taxes indicate that around 43.8% of the taxes have been paid by establishments in Punjab province i.e. Rs.1.8 billion, whereas the share of establishments belonging to Sindh, KP and Balochistan stands at 39.3% (Rs.1.6 billion), 16.1% (Rs.661.4 million) and 0.8% (Rs.32.6 million) respectively.

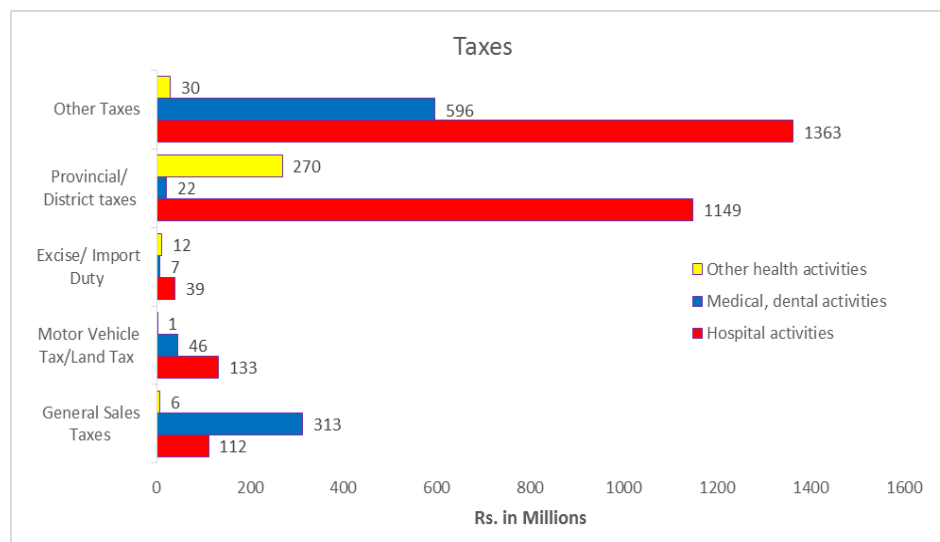


Figure 5.8: Taxes by Industry

The distribution of taxes by industry and type is presented in Figure 5.8. According to the figure, it can be observed that most of the contribution in other taxes, provincial/district taxes, excise/import duties, and motor vehicle/land taxes has been made by establishments engaged in hospital activities followed by those in medical and dental activities. Further, the contribution of establishments in medical and dental activities is higher in GST as compared to hospital activities.

Table 5.7: Taxes and Depreciation by PSIC (Rs. in '000')

| PSIC | | General Sales Taxes | Motor Vehicle Tax/Land Tax | Excise/Import Duty | Provincial/District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|---|---------------------|----------------------------|--------------------|---------------------------|-------------|-------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 430,294 | 180,084 | 57,887 | 1,440,926 | 1,989,646 | 4,098,836 | 1,612,858 |
| 861 | Hospital activities | 111,665 | 132,717 | 39,213 | 1,149,217 | 1,363,293 | 2,796,104 | 1,480,277 |
| 862 | Medical and dental practice activities | 312,516 | 46,384 | 6,837 | 22,063 | 596,238 | 984,038 | 8,310 |
| 869 | Other human health activities | 6,089 | 959 | 11,838 | 269,584 | 29,717 | 318,186 | 124,271 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 62 | 119 | 181 | 0 |
| 889 | Other social work activities without accommodation | 24 | 24 | 0 | 0 | 279 | 327 | 0 |
| KP | | 11,103 | 26,054 | 7,990 | 335,289 | 281,018 | 661,454 | 310,582 |
| 861 | Hospital activities | 10,372 | 24,567 | 7,292 | 264,975 | 238,110 | 545,316 | 307,293 |
| 862 | Medical and dental practice activities | 299 | 1,487 | 645 | 2,984 | 34,130 | 39,545 | 3,273 |
| 869 | Other human health activities | 432 | 0 | 53 | 67,269 | 8,778 | 76,531 | 17 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 62 | 0 | 62 | 0 |
| Punjab | | 73,116 | 109,376 | 41,881 | 720,421 | 849,363 | 1,794,159 | 806,361 |
| 861 | Hospital activities | 68,959 | 65,204 | 24,740 | 504,572 | 636,721 | 1,300,197 | 677,592 |
| 862 | Medical and dental practice activities | 3,447 | 44,130 | 5,372 | 13,856 | 195,239 | 262,043 | 4,514 |
| 869 | Other human health activities | 687 | 18 | 11,768 | 201,994 | 17,124 | 231,591 | 124,254 |
| 889 | Other social work activities without accommodation | 24 | 24 | 0 | 0 | 279 | 327 | 0 |
| Sindh | | 343,681 | 43,032 | 7,803 | 372,379 | 843,744 | 1,610,639 | 479,566 |
| 861 | Hospital activities | 31,325 | 41,676 | 6,967 | 367,227 | 473,252 | 920,447 | 479,507 |
| 862 | Medical and dental practice activities | 308,706 | 676 | 820 | 5,094 | 366,590 | 681,887 | 60 |
| 869 | Other human health activities | 3,650 | 680 | 16 | 57 | 3,782 | 8,186 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 0 | 119 | 119 | 0 |
| Balochistan | | 2,393 | 1,621 | 213 | 12,836 | 15,521 | 32,584 | 16,349 |
| 861 | Hospital activities | 1,009 | 1,269 | 213 | 12,443 | 15,209 | 30,143 | 15,886 |
| 862 | Medical and dental practice activities | 65 | 91 | 0 | 129 | 279 | 564 | 464 |
| 869 | Other human health activities | 1,320 | 261 | 0 | 264 | 32 | 1,878 | 0 |

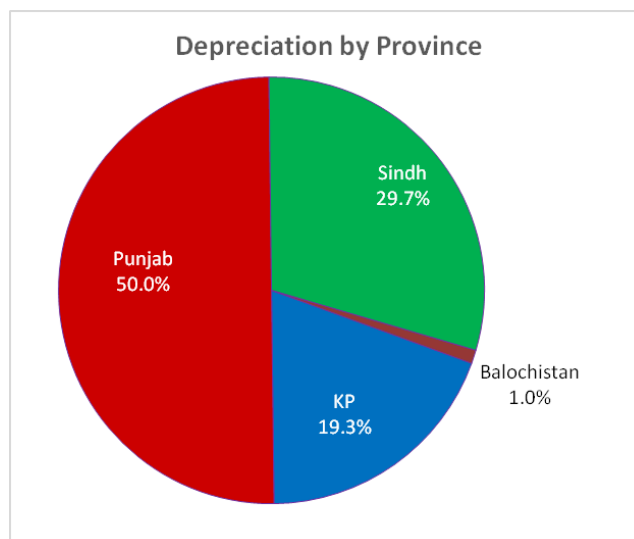


Figure 5.9: Province-wise Depreciation

According to the data presented in Table 5.7, the total depreciation charged by establishments engaged in the human health and social work industry during the financial year 2016-17 stands at Rs.1.6 billion. The percentage shares by provinces are presented in Figure 5.9. The share of Punjab based establishments in total depreciation stands at 50.0% followed by 29.7% in Sindh, 19.3% in KP and 1.0% in Balochistan.

5.10 Output in Human Health and Social Work Industry

The output in the human health and social work industry by products at the national level is presented in Table 5.8(a). The data suggest that total output at producer's prices in the subject matter industry during 2016-17 amounts to Rs.293.5 billion. From product point of view, the major contribution comes from inpatient services (Admitted) with 34.1% share in revenue i.e. Rs.100.2 billion followed by medical and dental services (OPD) worth of Rs.70.6 billion (24.1%), other incomes Rs.38.4 billion (13.1%), drugs, medicines, and other medical supplies for patients Rs.27.8 billion (9.5%), income from sale of medicines and other medical equipment Rs.22.3 billion (7.6%), other human health services (childbirth, nursing, laboratories, etc.) Rs.15.4 billion (5.2%) and laboratory test, X-Ray services, etc. Rs.15.2 billion (5.2%). The output is also comprised of 0.7% in residential care services for the elderly and persons with disabilities (Rs.2.1 billion), 0.24% from other social services without accommodation, including child day-care, counseling, etc. (Rs.710.9 million), 0.15% from other social services with accommodation such as mentally retards (Rs.452.3 million) and 0.1% from ambulance services (Rs.229 million). The product-wise share in output in the human health and social work industry is also presented in Figure 5.10.

Further details of output by products and PSIC at national and provincial levels are presented in Table 5.8(b). The industry-wise detail of output suggests that output in hospital activities stands at 205.4 billion i.e. 70.0% of the total followed by Rs.60.9 billion (20.7%) in medical and dental practice activities and Rs.26.5 billion (9.0%) in other human health activities. The remaining Rs.0.8 billion (0.3%) have been incurred in residential care activities for mental retardation, mental health, and substance abuse and other social work activities without accommodation.

The province-wise data on outputs, presented in Table 5.8(b) suggest that share of establishments belonging to Punjab province stands at Rs.135.2 billion (46.0%) followed by Rs.81.8 billion (27.9%) in KP, Rs.72.7 billion (24.8%) in Sindh, and Rs.3.9 billion (1.3%) in Balochistan.

Table 5.8(a): Output by Product

| Items of Revenue | Codes | (Rs. in '000') | % Share |
|--|-------|----------------|---------|
| Inpatient services (Admitted) | 601 | 100,245,246 | 34.1 |
| Medical and dental services (OPD) | 602 | 70,618,957 | 24.1 |
| Laboratory test, X-Ray services etc. | 603 | 15,257,417 | 5.2 |
| Drugs, medicines and other medical supplies for patients | 604 | 27,847,671 | 9.5 |
| Revenue from ambulance services | 605 | 229,029 | 0.1 |
| Other human health services (child birth, nursing, laboratories etc.) | 606 | 15,355,487 | 5.2 |
| Residential care services for the elderly and persons with disabilities | 607 | 2,104,688 | 0.7 |
| Other social services with accommodation (mentally retards) | 608 | 452,287 | 0.2 |
| Other social services without accommodation (Child day-care, counselling etc.) | 609 | 710,918 | 0.2 |
| Income from the sale of medicines and other medical equipment | 610 | 22,300,506 | 7.6 |
| Other Income | 611 | 38,424,696 | 13.1 |
| Total | 600 | 293,546,901 | 100.0 |

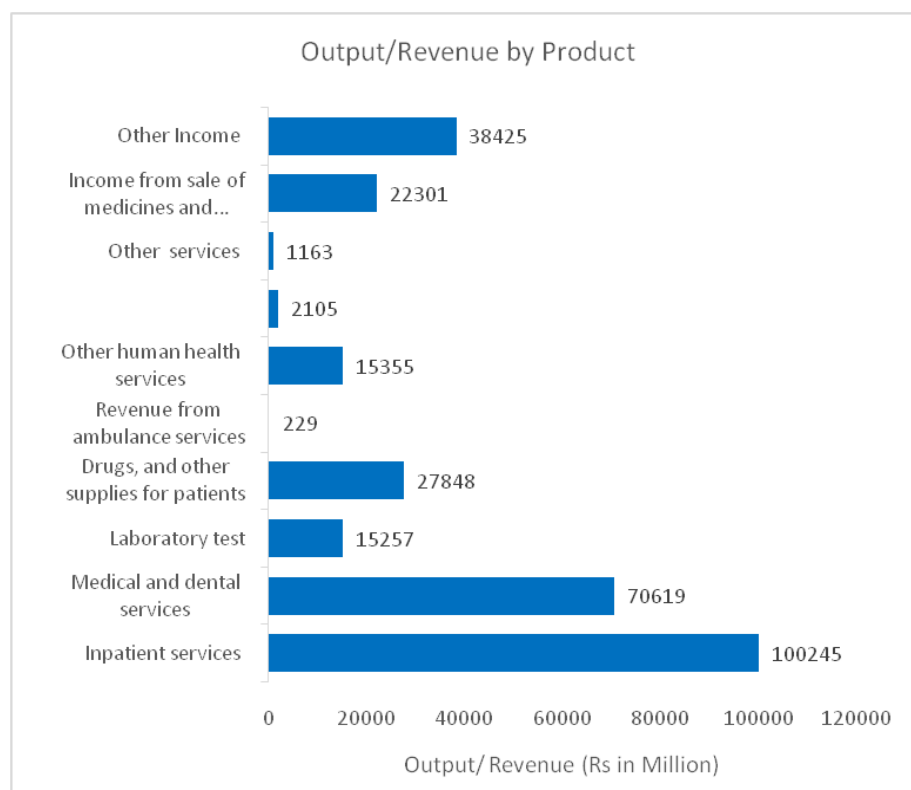


Figure 5.10: Product-wise Output

Table 5.8(b): Output by PSIC and Product (Rs.in '000')

| PSIC | | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 600 |
|-------------|---|-------------|------------|------------|------------|---------|------------|-----------|---------|---------|------------|------------|-------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Pakistan | | 100,245,246 | 70,618,957 | 15,257,417 | 27,847,671 | 229,029 | 15,355,487 | 2,104,688 | 452,287 | 710,918 | 22,300,506 | 38,424,696 | 293,546,901 |
| 861 | Hospital activities | 95,007,987 | 19,666,908 | 9,368,342 | 20,409,342 | 193,444 | 13,483,674 | 1,865,204 | 188,048 | 482,109 | 11,098,915 | 33,639,318 | 205,403,292 |
| 862 | Medical and dental practice activities | 4,285,605 | 38,201,194 | 1,879,043 | 5,525,621 | 6,603 | 726,167 | 213,068 | 15,511 | 94,303 | 7,419,331 | 2,486,830 | 60,853,275 |
| 869 | Other human health activities | 951,654 | 12,650,033 | 4,001,834 | 1,891,820 | 28,982 | 1,123,572 | 26,315 | 9,835 | 121,215 | 3,696,801 | 2,024,841 | 26,526,901 |
| 871 | Residential nursing care facilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 16,443 | 0 | 0 | 0 | 4,375 | 102 | 238,113 | 0 | 0 | 0 | 259,032 |
| 881 | Social work activities without accommodation for the elderly and disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 0 | 84,380 | 8,198 | 20,888 | 0 | 17,700 | 0 | 779 | 13,292 | 85,459 | 273,708 | 504,402 |
| KP | | 25,109,601 | 16,326,611 | 2,811,371 | 6,178,181 | 13,070 | 1,223,034 | 313,231 | 18,264 | 49,459 | 10,975,129 | 18,783,341 | 81,801,292 |
| 861 | Hospital activities | 24,961,568 | 2,494,538 | 1,726,775 | 3,156,257 | 11,375 | 852,655 | 171,352 | 17,034 | 31,253 | 3,793,527 | 16,420,314 | 53,636,649 |
| 862 | Medical and dental practice activities | 139,619 | 13,302,072 | 375,093 | 2,185,535 | 1,695 | 95,467 | 141,879 | 116 | 10,961 | 5,243,427 | 1,709,082 | 23,204,945 |
| 869 | Other human health activities | 8,415 | 495,719 | 709,503 | 836,389 | 0 | 274,912 | 0 | 336 | 7,245 | 1,863,982 | 620,480 | 4,816,980 |
| 871 | Residential nursing care facilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 16,443 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16,443 |
| 881 | Social work activities without accommodation for the elderly and disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 0 | 17,838 | 0 | 0 | 0 | 0 | 0 | 779 | 0 | 74,193 | 33,465 | 126,276 |
| Punjab | | 44,138,464 | 39,937,479 | 7,154,054 | 13,303,573 | 113,441 | 9,465,358 | 979,201 | 114,130 | 496,629 | 8,321,115 | 11,142,196 | 135,165,639 |
| 861 | Hospital activities | 40,978,985 | 11,493,134 | 4,448,403 | 10,198,181 | 108,532 | 8,339,831 | 950,273 | 94,822 | 332,446 | 4,536,802 | 9,714,519 | 91,195,929 |
| 862 | Medical and dental practice activities | 2,705,307 | 17,075,647 | 682,157 | 2,213,583 | 4,909 | 441,468 | 8,927 | 9,809 | 75,505 | 2,066,042 | 422,899 | 25,706,253 |
| 869 | Other human health activities | 454,174 | 11,314,158 | 2,023,492 | 879,770 | 0 | 684,059 | 20,001 | 9,499 | 88,677 | 1,707,280 | 966,264 | 18,147,376 |
| 871 | Residential nursing care facilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 881 | Social work activities without accommodation for the elderly and disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 0 | 54,541 | 0 | 12,038 | 0 | 0 | 0 | 0 | 0 | 10,991 | 38,512 | 116,081 |
| Sindh | | 30,031,559 | 13,061,658 | 5,137,259 | 8,000,687 | 100,361 | 4,497,543 | 790,222 | 317,516 | 158,187 | 2,396,038 | 8,211,653 | 72,702,683 |
| 861 | Hospital activities | 28,168,901 | 5,020,406 | 3,084,894 | 6,827,556 | 71,379 | 4,122,545 | 721,544 | 73,922 | 115,528 | 2,253,767 | 7,291,071 | 57,751,513 |
| 862 | Medical and dental practice activities | 1,428,412 | 7,283,874 | 814,516 | 991,487 | 0 | 188,823 | 62,262 | 5,481 | 5,668 | 51,131 | 317,191 | 11,148,846 |
| 869 | Other human health activities | 434,246 | 745,377 | 1,229,652 | 172,794 | 28,982 | 164,101 | 6,314 | 0 | 23,699 | 90,866 | 401,660 | 3,297,691 |
| 871 | Residential nursing care facilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 0 | 0 | 4,375 | 102 | 238,113 | 0 | 0 | 0 | 242,590 |
| 881 | Social work activities without accommodation for the elderly and disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 0 | 12,001 | 8,198 | 8,850 | 0 | 17,700 | 0 | 0 | 13,292 | 275 | 201,730 | 262,044 |
| Balochistan | | 965,620 | 1,293,209 | 154,733 | 365,230 | 2,158 | 169,552 | 22,034 | 2,378 | 6,642 | 608,223 | 287,507 | 3,877,287 |
| 861 | Hospital activities | 898,534 | 658,830 | 108,270 | 227,347 | 2,158 | 168,643 | 22,034 | 2,271 | 2,881 | 514,820 | 213,413 | 2,819,202 |
| 862 | Medical and dental practice activities | 12,267 | 539,601 | 7,277 | 135,017 | 0 | 409 | 0 | 107 | 2,167 | 58,730 | 37,657 | 793,231 |
| 869 | Other human health activities | 54,819 | 94,778 | 39,186 | 2,867 | 0 | 500 | 0 | 0 | 1,594 | 34,674 | 36,437 | 264,854 |
| 871 | Residential nursing care facilities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 881 | Social work activities without accommodation for the elderly and disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 889 | Other social work activities without accommodation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Please see Table 5.8(a) for the description of product codes.

5.11 Gross Fixed Capital Formation

GFCF is the net capital accumulation of the fixed asset during an accounting period. The expenditure made on GFCF by establishments engaged in human health and social work activities is reported in Table 5.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.30.8 billion. The major contributions are from hospital activities (Rs.25.7 billion) and medical and dental practice activities (Rs.3.8 billion) that constitute 83.4% and 12.2% of the total GFCF respectively. The remaining 4.4% is from other human health activities, residential care activities for mental retardation, mental health and substance abuse and other social work activities without accommodation worth Rs.1.3 billion, Rs.2.1 million and Rs.19 million respectively.

As far as product-wise expenditure on GFCF is concerned, a major contribution in GFCF i.e. Rs.12.4 billion (40.2%) has been reported under the head of other buildings and structure. The expenditure on machinery and equipment stands at Rs.10.3 billion (33.6%) followed by Rs.6.3 billion on Intellectual Property Product (20.6%) and Rs.1.7 billion on dwellings (5.6%). The GFCF at provincial levels is also reported in Table 5.9. Data suggest that major contribution i.e. 55.4% (Rs.17 billion) of the total GFCF in the industry is reported by establishments in Punjab followed by 35.7% in Sindh (Rs.11 billion), 7.7 % in KP (Rs.2.4 billion) and around 1.2% in Balochistan. A combined picture of GFCF in the human health and social work industry by products and provinces is presented in Figure 5.11.

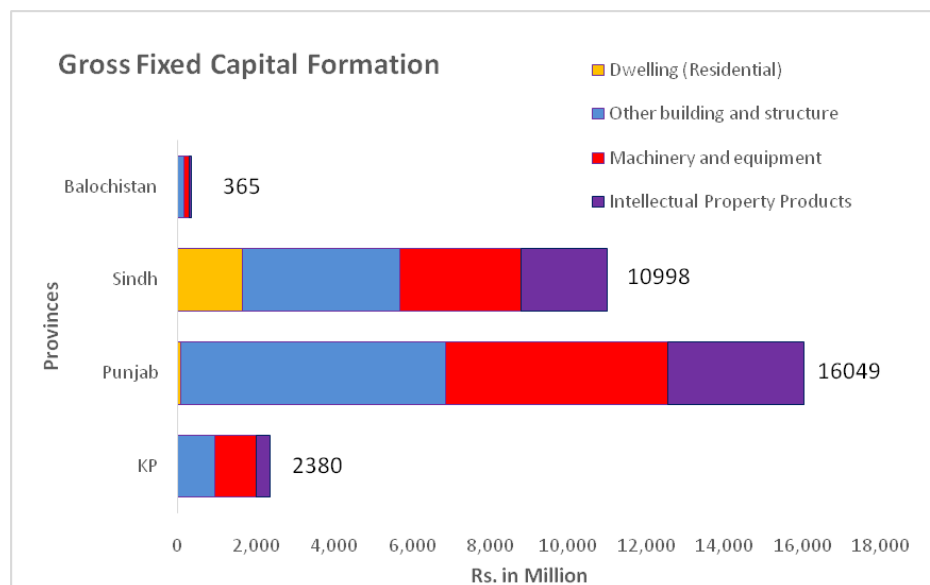


Figure 5.11: GFCF by Province and Product

Table 5.9: GFCF by Type of Assets and PSIC (Rs. in '000')

| PSIC | | Dwelling (Residential) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|---|---------------------------|------------------------------------|-------------------------------|--------------------------------------|------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 1,739,184 | 12,363,563 | 10,337,183 | 6,344,227 | 30,784,156 |
| 861 | Hospital activities | 119,292 | 10,909,695 | 8,351,822 | 6,294,594 | 25,675,404 |
| 862 | Medical and dental practice activities | 1,476,917 | 927,623 | 1,334,126 | 27,485 | 3,766,151 |
| 869 | Other human health activities | 137,094 | 524,581 | 637,683 | 22,148 | 1,321,506 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 2,060 | 0 | 2,060 |
| 889 | Other social work activities without accommodation | 5,880 | 1,664 | 11,492 | 0 | 19,036 |
| KP | | 10,516 | 930,223 | 1,072,478 | 366,906 | 2,380,124 |
| 861 | Hospital activities | 6,318 | 825,214 | 597,599 | 353,291 | 1,782,421 |
| 862 | Medical and dental practice activities | 2,135 | 88,361 | 309,265 | 3,367 | 403,129 |
| 869 | Other human health activities | 2,063 | 16,291 | 163,702 | 10,248 | 192,304 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 917 | 0 | 917 |
| 889 | Other social work activities without accommodation | 0 | 357 | 996 | 0 | 1,353 |
| Punjab | | 77,443 | 7,214,037 | 6,038,492 | 3,711,165 | 17,041,136 |
| 861 | Hospital activities | 73,852 | 6,988,108 | 5,296,343 | 3,699,636 | 16,057,937 |
| 862 | Medical and dental practice activities | 3,065 | 48,717 | 410,789 | 3,861 | 466,431 |
| 869 | Other human health activities | 527 | 175,906 | 327,950 | 7,668 | 512,050 |
| 889 | Other social work activities without accommodation | 0 | 1,306 | 3,411 | 0 | 4,717 |
| Sindh | | 1,649,532 | 4,049,816 | 3,099,723 | 2,198,878 | 10,997,949 |
| 861 | Hospital activities | 37,961 | 2,997,019 | 2,354,681 | 2,174,443 | 7,564,105 |
| 862 | Medical and dental practice activities | 1,471,717 | 786,636 | 606,154 | 20,205 | 2,884,712 |
| 869 | Other human health activities | 133,974 | 266,161 | 130,659 | 4,229 | 535,023 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 0 | 0 | 1,143 | 0 | 1,143 |
| 889 | Other social work activities without accommodation | 5,880 | 0 | 7,086 | 0 | 12,966 |
| Balochistan | | 1,692 | 169,486 | 126,491 | 67,279 | 364,948 |
| 861 | Hospital activities | 1,161 | 99,355 | 103,200 | 67,224 | 270,940 |
| 862 | Medical and dental practice activities | 0 | 3,908 | 7,918 | 53 | 11,879 |
| 869 | Other human health activities | 531 | 66,223 | 15,373 | 2 | 82,129 |

5.12 Summary Findings: Human Health and Social Work Industry

Summary findings of the study on “Human health and social work activities” are presented in Table 5.10. The total output at producer’s prices in the human health and social work industry has been estimated at Rs.293.5 billion which becomes Rs.291.5 billion at basic prices after the deduction of net taxes on products amounting to Rs.2.05 billion. The total intermediate consumption at purchaser’s prices is valued at Rs.69.3 billion. Resultantly, overall GVA at basic prices has been computed as Rs.222.2 billion. The contribution of hospital activities towards overall GVA of the industry stands at Rs.162.4 billion i.e. 73.1% followed by Rs.40.9 billion i.e. 18.4% in medical and dental practices, Rs.18.5 billion i.e. 8.3% in other human health activities, Rs.207.4 million (0.09%) in residential care activities for mental retardation, mental health and substance abuse and Rs.268 million (0.12%) in other social work activities without accommodation. Industry-wise GVA in absolute terms is also presented in Figure 5.12.

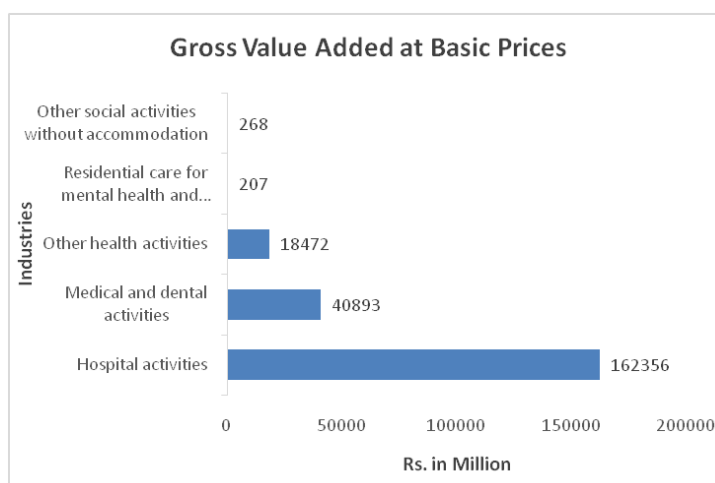


Figure 5.12: Industry-wise GVA

The province-wise contribution in the output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices is also presented in Table 5.10. The contribution of establishments based in Punjab province in overall GVA stands at 45.3%, i.e. Rs.100.7 billion, followed by KP, Sindh, and Balochistan with contributions worth Rs.63.9 billion (28.8%), Rs.55 billion (24.7) and Rs.2.6 billion (1.2%) respectively. The provincial contributions in GVA are also presented in Figure 5.13. As evident from the figure, Punjab has emerged as the major contributor toward overall GVA.

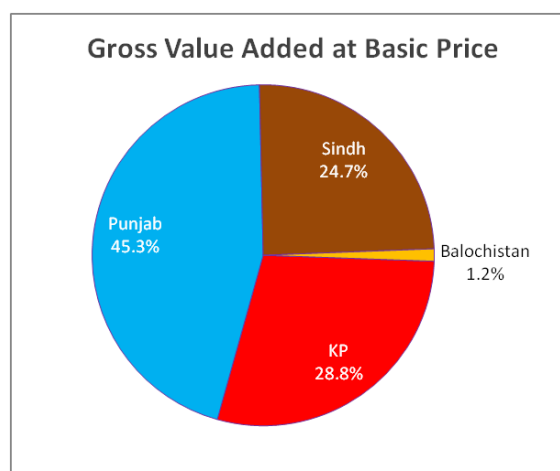


Figure 5.13: GVA by Province

Table 5.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|-------------|---|-----------------------------------|--|---------------------------|---|------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 293,546,901 | 2,047,533 | 291,499,368 | 69,303,644 | 222,195,724 |
| 861 | Hospital activities | 205,403,292 | 1,402,505 | 204,000,786 | 41,644,733 | 162,356,053 |
| 862 | Medical and dental practice activities | 60,853,275 | 603,075 | 60,250,200 | 19,357,601 | 40,892,599 |
| 869 | Other human health activities | 26,526,901 | 41,554 | 26,485,346 | 8,013,627 | 18,471,719 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 259,032 | 119 | 258,913 | 51,559 | 207,354 |
| 889 | Other social work activities without accommodation | 504,402 | 279 | 504,122 | 236,123 | 267,999 |
| KP | | 81,801,292 | 289,008 | 81,512,284 | 17,582,596 | 63,929,688 |
| 861 | Hospital activities | 53,636,649 | 245,402 | 53,391,247 | 8,158,504 | 45,232,743 |
| 862 | Medical and dental practice activities | 23,204,945 | 34,775 | 23,170,170 | 7,369,395 | 15,800,775 |
| 869 | Other human health activities | 4,816,980 | 8,831 | 4,808,149 | 1,971,658 | 2,836,491 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 16,443 | 0 | 16,443 | 5,753 | 10,690 |
| 889 | Other social work activities without accommodation | 126,276 | 0 | 126,276 | 77,286 | 48,990 |
| Punjab | | 135,165,639 | 891,244 | 134,274,395 | 33,566,422 | 100,707,973 |
| 861 | Hospital activities | 91,195,929 | 661,462 | 90,534,466 | 20,472,764 | 70,061,703 |
| 862 | Medical and dental practice activities | 25,706,253 | 200,611 | 25,505,642 | 8,062,207 | 17,443,436 |
| 869 | Other human health activities | 18,147,376 | 28,892 | 18,118,484 | 4,986,965 | 13,131,519 |
| 889 | Other social work activities without accommodation | 116,081 | 279 | 115,802 | 44,486 | 71,316 |
| Sindh | | 72,702,683 | 851,547 | 71,851,136 | 16,874,057 | 54,977,078 |
| 861 | Hospital activities | 57,751,513 | 480,219 | 57,271,293 | 12,104,399 | 45,166,894 |
| 862 | Medical and dental practice activities | 11,148,846 | 367,410 | 10,781,436 | 3,614,155 | 7,167,280 |
| 869 | Other human health activities | 3,297,691 | 3,799 | 3,293,892 | 995,345 | 2,298,546 |
| 872 | Residential care activities for mental retardation, mental health and substance abuse | 242,590 | 119 | 242,471 | 45,806 | 196,664 |
| 889 | Other social work activities without accommodation | 262,044 | 0 | 262,044 | 114,351 | 147,693 |
| Balochistan | | 3,877,287 | 15,733 | 3,861,553 | 1,280,569 | 2,580,984 |
| 861 | Hospital activities | 2,819,202 | 15,422 | 2,803,780 | 909,066 | 1,894,713 |
| 862 | Medical and dental practice activities | 793,231 | 279 | 792,952 | 311,844 | 481,108 |
| 869 | Other human health activities | 264,854 | 32 | 264,822 | 59,659 | 205,163 |

**Table 5.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Health and Social Work**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|--|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 118,534 | 0 | 118,892 | 0.30 | - |
| Output at basic Prices (Rs.Million) | 77,025 | 333,285 | 291,499 | 278.45 | -12.54 |
| Intermediate at purchaser's Prices (Rs.Million) | 29,333 | 126,924 | 69,304 | 136.27 | -45.40 |
| Gross Value Added at basic prices (Rs.Million) | 47,692 | 206,361 | 222,196 | 365.90 | 7.67 |
| GFCF (Rs.Million) | 8,200 | 35,480 | 30,784 | 275.42 | -13.24 |

Chapter 6 : Accommodation and Food Service Industry

6.1 Introduction

According to PSIC-2010 accommodation and food service activities include the provision of short-stay accommodation for visitors and other travelers and provision of complete meals and drinks fit for immediate consumption. The amount and type of supplementary services provided within this section can vary widely. The provision of long-term accommodation as primary residences, which is classified in real estate activities, is not included here. The preparation of food or drinks that are either not fit for immediate consumption or that are sold through independent distribution channels, i.e. through wholesale or retail trade activities are also not covered in the study.

6.1.1 Accommodation

The accommodation activities are covered under PSIC code 55 and include the provision of short-stay accommodation for visitors and other travelers, typically on a daily or weekly basis provided by hotels, resort hotels, suite/apartment hotels, motels, motor hotels, guesthouses, bed and breakfast units, visitor flats and bungalows, time-share units, holiday homes, chalets, housekeeping cottages and cabins, youth hostels and mountain refuges. Camping grounds, recreational vehicle parks, and trailer parks are also included under accommodation. The provision of temporary or longer-term accommodation in single or shared rooms or dormitories for students, migrant (seasonal) workers and other individuals provided by student residences, school dormitories, workers hostels, and rooming and boarding houses have also been covered under accommodation. Some units provide only accommodation while others provide a combination of accommodation, meals and/or recreational facilities. Both the activities have been covered in the study, however; industrial classification codes have been assigned according to the reported revenue from major activities.

6.1.2 Food and Beverages Service Industry

In the food and beverage serving activities all the establishments providing complete meals or drinks fit for immediate consumption, whether in traditional restaurants, self-service or take-away restaurants, whether as permanent or temporary stands with or without seating have been covered. The establishment engaged in the production of meals not fit for immediate consumption or not planned to be consumed immediately or those producing prepared food which is not considered to be a meal have not been covered here. Under food and beverage service activities establishments like restaurants, cafeterias, fast-food restaurants, pizza delivery, take-out eating places, ice cream truck vendors, mobile food carts, and food preparation in market stalls have been covered. The establishment engaged in event catering i.e. provision of food services based on contractual arrangements with the customer, at the location specified by the customer, for a specific event has also been covered. All the operations of canteens or cafeterias located in factories, offices, hospitals or schools on a concession basis also supposed to be covered under this industry. The beverage serving establishments such as bars, taverns, cocktail lounges, discotheques (with beverage serving predominant), coffee shops, fruit juice bars, mobile beverage vendors are also included in the scope of food and beverage service activities.

6.2 Coverage

6.2.1 Geographical Coverage

In order to re-assess the contribution of accommodation and food service activities towards the GDP of Pakistan, the data collection was undertaken in two parts i.e. census part and survey part. In the census part, big establishments i.e. listed with Pakistan Hotels Association (PHA), Air-conditioned restaurants and PTDC motels have been covered whereas all remaining establishments including take-out eating places, ice cream truck vendors, coffee shops/fruit juice bars and mobile beverage vendors have been covered in the survey part. The total number of establishments engaged in the provision of accommodation and food service activities stands at 294044. Among this majority i.e. 69.6% located in the Punjab province followed by 16.6% in Sindh, 12.1% in KP and 1.7% in Balochistan. The detail is presented in Table 6.1(a) and Figure 6.1.

Table 6.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 294044 | 100 |
| KP | 35472 | 12.1 |
| Punjab | 204661 | 69.6 |
| Sindh | 48842 | 16.6 |
| Balochistan | 5068 | 1.7 |

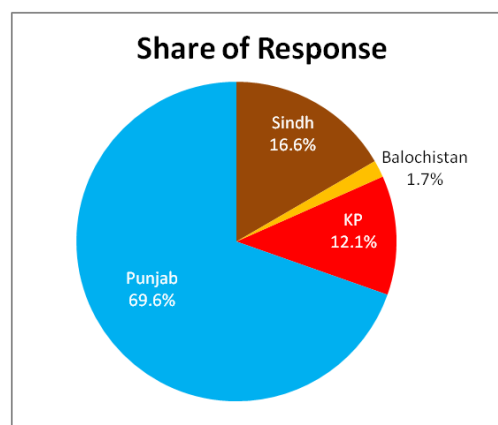


Figure 6.1: Coverage by Province

6.2.2 Industry-wise Coverage

Accommodation and food service activities include the provision of short-stay accommodation for visitors and other travelers and the provision of complete meals and drinks fit for immediate consumption. It is pertinent to mention here that the provision of long-term accommodation as primary residences, which is classified in real estate activities, is not included here. Also excluded is the preparation of food or drinks that are either not fit for immediate consumption or that are sold through independent distribution channels i.e. wholesale or retail trade activities. The preparation of these foods is classified in Manufacturing.

The coverage by industry is presented in Table 6.1(b). According to the data majority of the establishments i.e. 166687 (56.7%) are engaged in the provision of restaurants and mobile food service activities followed by 103116 (35.1%) in beverage serving activities, 14269 (4.9%) in event catering, 5989 (2.0%) in short term accommodation activities, 2839 (1.0%) in other food service activities, 906 (0.3%) in other accommodation and 238 (0.1%) in camping grounds, recreational vehicle parks, and trailer parks.

Table 6.1(b): Coverage by PSIC

| | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|--|----------|-------|--------|-------|-------------|
| PSIC | | 294044 | 35472 | 204661 | 48842 | 5068 |
| 551 | Short term accommodation activities | 5989 | 1824 | 3280 | 455 | 431 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 238 | - | 238 | - | - |
| 559 | Other accommodation | 906 | 383 | 456 | 1 | 66 |
| 561 | Restaurants and mobile food service activities | 166687 | 25880 | 118828 | 18399 | 3580 |
| 562 | Event catering and other food service activities | 17108 | 1432 | 13738 | 1876 | 63 |
| 563 | Beverage serving activities | 103116 | 5954 | 68121 | 28112 | 929 |

6.3 Establishments with Seasonal Activity

The detail of accommodation and food service establishments working on a seasonal basis is presented in Table 6.2(a). The total number of establishments engaged in seasonal activities stands at 16134 (5.5%) out of which majority i.e. 9103 workings were engaged in beverage serving activities followed by 6395 in restaurants and mobile food service activities, 548 in event catering and other foodservice activities and 88 in short term accommodation activities. Among the provinces of Pakistan, most of the seasonal establishments i.e. 10771 work in Punjab followed by 3074 in Sindh, 2065 in KP and 223 in Balochistan.

Table 6.2(a): Number of Establishments with Seasonal Activity by PSIC

| | | Total | Number of Establishments with Seasonal activity | | | | |
|-----|--|--------|---|--------|--------|-------|-------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan |
| | | PSIC | | 294044 | 16134 | 2065 | 10771 |
| 551 | Short term accommodation activities | 5989 | 88 | 64 | 23 | - | - |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 238 | - | - | - | - | - |
| 559 | Other accommodation | 906 | - | - | - | - | - |
| 561 | Restaurants and mobile food service activities | 166687 | 6395 | 1156 | 4092 | 929 | 217 |
| 562 | Event catering and other food service activities | 17108 | 548 | 7 | 542 | - | - |
| 563 | Beverage serving activities | 103116 | 9103 | 838 | 6113 | 2145 | 6 |

6.4 Establishments Registered with Government Agencies

The registration status is one of the criteria to establish the formality of the businesses. The data relating to accommodation and food service activities shows that only 9065 establishments out of 294094 i.e. 3.1% are registered with government agencies. The majority of those registered i.e. 5196 is engaged in restaurants and mobile food service activities followed by 2195 in beverage serving activities, 945 in event catering and other foodservice activities and 589 in short term accommodation activities. Further, most of the registered establishment i.e. 7891 belongs to Punjab, followed by 820 in KP, 328 in Sindh, and 26 in Balochistan. Industry-wise detail is presented in Table 6.2(b).

Table 6.2(b): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered |
|------|---|--------|-------------------------------------|-----|--------|-------|-------------|--------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 294044 | 9065 | 820 | 7891 | 328 | 26 | 3.1% |
| 551 | Short term accommodation activities | 5989 | 589 | 264 | 207 | 101 | 18 | 9.8% |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 238 | - | - | - | - | - | 0.0% |
| 559 | Other accommodation | 906 | 138 | 118 | 19 | 1 | - | 15.2% |
| 561 | Restaurants and mobile food service activities | 166687 | 5196 | 437 | 4532 | 222 | 6 | 3.1% |
| 562 | Event catering and other food service activities | 17108 | 945 | - | 945 | - | - | 5.5% |
| 563 | Beverage serving activities | 103116 | 2195 | - | 2188 | 5 | 3 | 2.1% |

6.5 Establishment Maintaining Accounts

The detail of accommodation and food service establishments maintaining accounts is presented in Table 6.2(c). According to the data, 7093 establishments (2.4% of total) maintain their accounts. Most of them engaged in restaurants and mobile food service activities (3739) followed by event catering and other food service activities (1306), short term accommodation activities (1007) and other accommodation (116). The province-wise number of establishments maintaining accounts are 4593, 1278, 1106 and 116 in Punjab, Sindh, KP, and Balochistan respectively.

Table 6.2(c): Number of Establishment Maintaining Accounts

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintains accounts (Total) |
|------|---|--------|---|------|--------|-------|-------------|------------------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 294044 | 7093 | 1106 | 4593 | 1278 | 116 | 2.4% |
| 551 | Short term accommodation activities | 5989 | 1007 | 448 | 422 | 69 | 68 | 16.8% |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 238 | - | - | - | - | - | 0.0% |
| 559 | Other accommodation | 906 | 116 | 115 | - | 1 | - | 12.8% |
| 561 | Restaurants and mobile food service activities | 166687 | 3739 | 521 | 2513 | 658 | 46 | 2.2% |
| 562 | Event catering and other food service activities | 17108 | 1306 | 21 | 1200 | 85 | 0 | 7.6% |
| 563 | Beverage serving activities | 103116 | 925 | - | 458 | 465 | 3 | 0.9% |

6.6 Type of Ownership in Accommodation and Food Service Industry

Details of the ownership structure of the businesses engaged in accommodation and food service units covered in the study by the type of organization at the national and provincial levels are presented in Table 6.3(a). According to the collected data, individual ownership accounts for the operation of 286568 (97.5%) out of 294044 establishments engaged in the accommodation and

food service industry covered in the study. Among these, majority i.e. 70.0% (200663) belong to Punjab province followed by 16.5% (47249), 11.9% (33984), and 1.6% (4671) in Sindh, KP and Balochistan provinces respectively. The share of remaining forms of ownership stands at 2.3% (6645) partnership, 106 private limited companies, 87 public limited companies, 265 Cooperative and 373 others.

Table 6.3(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|-------|--------|-------|-------------|
| | 294044 | 35472 | 204661 | 48842 | 5068 |
| Individual Ownership | 286568 | 33984 | 200663 | 47249 | 4671 |
| Partnership | 6645 | 1405 | 3523 | 1465 | 253 |
| Private Ltd. Co. | 106 | 30 | 56 | 19 | 1 |
| Public Ltd. Co | 87 | - | 16 | 70 | 1 |
| Cooperative | 265 | - | 121 | 15 | 129 |
| Others | 373 | 54 | 283 | 23 | 13 |

Details of the ownership structure of the businesses engaged in accommodation and food service units covered in the study by type of organization and PSIC is presented in Table 3(b). In the most common form of ownership i.e. individual ownership, most of the establishments i.e. 162595 (56.7%) are engaged in restaurants and mobile food service activities followed by 101612 (35.5%) in beverage serving activities, 13050 (4.6%) in event catering and 5485 (1.9%) in short term accommodation activities. Similarly, restaurants and mobile food service activities i.e. 3773 also make most of the part in the establishments working under partnership followed by 1195 in event catering and 1099 in beverage serving activities.

Table 6.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. | Public Ltd. Co | Cooperative | Others |
|------|---|----------|----------------------|-------------|------------------|----------------|-------------|--------|
| | | 294044 | 286568 | 6645 | 106 | 87 | 265 | 373 |
| 551 | Short term accommodation activities | 5989 | 5485 | 421 | 62 | 20 | 0 | 1 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 238 | 238 | 0 | 0 | 0 | 0 | 0 |
| 559 | Other accommodation | 906 | 788 | 118 | 0 | 0 | 0 | 0 |
| 561 | Restaurants and mobile food service activities | 166687 | 162595 | 3773 | 44 | 2 | 93 | 179 |
| 562 | Event catering and other food service activities | 17108 | 15849 | 1235 | 0 | 0 | 0 | 24 |
| 563 | Beverage serving activities | 103116 | 101612 | 1099 | 0 | 65 | 172 | 168 |

6.7 Employment by Type, Gender and Industries

Employment by type and gender for establishments engaged in accommodation and food service activities is presented in Table 6.4(a). According to the data, total number of persons engaged in the accommodation and food service during the reference period stands at 809491 out of which

793499 (98.0%) are males and remaining 15992 (2.0%) are females out of the total persons engaged, 392609 (48.5%) were engaged as other employees followed by 296020 (36.6%) working proprietors, 102865 (12.7%) unpaid family workers, and 17997 (2.2%) managerial staff. The percentage share by type of employment is also presented in Figure 6.2.

Table 6.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|-----------------------|----------------|---------------|----------------|
| Pakistan | 793,499 | 15,992 | 809,491 |
| Working Proprietor | 294,499 | 1,521 | 296,020 |
| Managerial Staff | 16,426 | 1,572 | 17,997 |
| Unpaid Family Workers | 99,689 | 3,176 | 102,865 |
| Other Employees | 382,885 | 9,723 | 392,609 |
| KP | 113,102 | 2,015 | 115,117 |
| Working Proprietor | 35,804 | 25 | 35,829 |
| Managerial Staff | 3,287 | 244 | 3,531 |
| Unpaid Family Workers | 14,033 | 43 | 14,076 |
| Other Employees | 59,977 | 1,704 | 61,681 |
| Punjab | 494,821 | 11,051 | 505,872 |
| Working Proprietor | 204,555 | 1,427 | 205,982 |
| Managerial Staff | 9,046 | 957 | 10,004 |
| Unpaid Family Workers | 57,573 | 3,105 | 60,677 |
| Other Employees | 223,647 | 5,562 | 229,209 |
| Sindh | 167,338 | 2,723 | 170,061 |
| Working Proprietor | 49,012 | 67 | 49,079 |
| Managerial Staff | 3,381 | 346 | 3,727 |
| Unpaid Family Workers | 24,309 | 27 | 24,336 |
| Other Employees | 90,636 | 2,283 | 92,920 |
| Balochistan | 18,238 | 203 | 18,441 |
| Working Proprietor | 5,128 | 2 | 5,131 |
| Managerial Staff | 711 | 24 | 736 |
| Unpaid Family Workers | 3,774 | 2 | 3,776 |
| Other Employees | 8,625 | 174 | 8,799 |

Table 6.4(b): Number Of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managerial Staff | | | Unpaid Family Workers | | | Other Employees | | | Total | | |
|-------------|---|--------------------|--------|--------|------------------|--------|-------|-----------------------|--------|--------|-----------------|--------|--------|--------|--------|--------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| Pakistan | | 294499 | 1521 | 296020 | 16426 | 1572 | 17997 | 99689 | 3176 | 102865 | 382885 | 9723 | 392609 | 793499 | 15992 | 809491 |
| 551 | Short term accommodation activities | 6065 | 20 | 6085 | 5685 | 903 | 6587 | 2764 | 85 | 2849 | 53085 | 6468 | 59553 | 67599 | 7475 | 75074 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 188 | - | 188 | 51 | - | 51 | 188 | - | 188 | 199 | - | 199 | 625 | - | 625 |
| 559 | Other accommodation | 1125 | 15 | 1140 | 149 | - | 149 | 116 | - | 116 | 2666 | - | 2666 | 4057 | 15 | 4072 |
| 561 | Restaurants and mobile food service activities | 166479 | 638 | 167116 | 8897 | 669 | 9566 | 57661 | 2742 | 60403 | 248986 | 2995 | 251982 | 482023 | 7044 | 489067 |
| 562 | Event catering and other food service activities | 17727 | 161 | 17888 | 1216 | 0 | 1216 | 7188 | 0 | 7188 | 27860 | 261 | 28120 | 53992 | 422 | 54413 |
| 563 | Beverage serving activities | 102916 | 687 | 103603 | 427 | - | 427 | 31771 | 350 | 32121 | 50089 | - | 50089 | 185203 | 1037 | 186240 |
| KP | | 35804 | 25 | 35829 | 3287 | 244 | 3531 | 14033 | 43 | 14076 | 59977 | 1704 | 61681 | 113102 | 2015 | 115117 |
| 551 | Short term accommodation activities | 1867 | 8 | 1875 | 1592 | 168 | 1760 | 869 | 17 | 886 | 14642 | 1221 | 15863 | 18971 | 1414 | 20384 |
| 559 | Other accommodation | 455 | 15 | 469 | 127 | - | 127 | 39 | - | 39 | 998 | - | 998 | 1618 | 15 | 1633 |
| 561 | Restaurants and mobile food service activities | 25873 | 2 | 25875 | 1509 | 76 | 1585 | 10387 | 26 | 10413 | 38725 | 483 | 39208 | 76495 | 587 | 77081 |
| 562 | Event catering and other food service activities | 1594 | 0 | 1594 | 31 | 0 | 31 | 899 | 0 | 899 | 1826 | 0 | 1826 | 4350 | 0 | 4350 |
| 563 | Beverage serving activities | 6015 | - | 6015 | 28 | - | 28 | 1839 | - | 1839 | 3786 | - | 3786 | 11668 | - | 11668 |
| Punjab | | 204555 | 1427 | 205982 | 9046 | 957 | 10004 | 57573 | 3105 | 60677 | 223647 | 5562 | 229209 | 494821 | 11051 | 505872 |
| 551 | Short term accommodation activities | 3473 | 9 | 3482 | 2650 | 440 | 3090 | 995 | 43 | 1038 | 26225 | 3271 | 29496 | 33344 | 3761 | 37105 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 188 | - | 188 | 51 | - | 51 | 188 | - | 188 | 199 | - | 199 | 625 | - | 625 |
| 559 | Other accommodation | 588 | - | 588 | 8 | - | 8 | 48 | - | 48 | 1443 | - | 1443 | 2087 | - | 2087 |
| 561 | Restaurants and mobile food service activities | 118328 | 635 | 118964 | 5112 | 519 | 5630 | 36763 | 2713 | 39476 | 158967 | 2031 | 160998 | 319171 | 5897 | 325067 |
| 562 | Event catering and other food service activities | 14133 | 161 | 14294 | 1074 | 0 | 1074 | 4750 | 0 | 4750 | 21845 | 261 | 22105 | 41800 | 422 | 42222 |
| 563 | Beverage serving activities | 67844 | 622 | 68466 | 151 | 0 | 151 | 14829 | 350 | 15179 | 14968 | 0 | 14968 | 97794 | 971 | 98765 |
| Sindh | | 49012 | 67 | 49079 | 3381 | 346 | 3727 | 24309 | 27 | 24336 | 90636 | 2283 | 92920 | 167338 | 2723 | 170061 |
| 551 | Short term accommodation activities | 443 | 1 | 444 | 1177 | 275 | 1452 | 178 | 24 | 202 | 10318 | 1829 | 12146 | 12116 | 2129 | 14244 |
| 559 | Other accommodation | - | - | - | 5 | - | 5 | - | - | - | 205 | - | 205 | 210 | - | 210 |
| 561 | Restaurants and mobile food service activities | 18489 | 1 | 18490 | 1843 | 70 | 1914 | 8017 | 4 | 8021 | 45671 | 454 | 46125 | 74020 | 529 | 74549 |
| 562 | Event catering and other food service activities | 1935 | 0 | 1935 | 112 | 0 | 112 | 1513 | 0 | 1513 | 4055 | 0 | 4055 | 7615 | 0 | 7615 |
| 563 | Beverage serving activities | 28145 | 66 | 28211 | 244 | - | 244 | 14600 | - | 14600 | 30388 | - | 30388 | 73378 | 66 | 73443 |
| Balochistan | | 5128 | 2 | 5131 | 711 | 24 | 736 | 3774 | 2 | 3776 | 8625 | 174 | 8799 | 18238 | 203 | 18441 |
| 551 | Short term accommodation activities | 281 | 2 | 283 | 265 | 20 | 285 | 721 | 2 | 723 | 1901 | 147 | 2048 | 3168 | 171 | 3339 |
| 559 | Other accommodation | 83 | - | 83 | 9 | - | 9 | 29 | - | 29 | 20 | - | 20 | 142 | - | 142 |
| 561 | Restaurants and mobile food service activities | 3788 | 0 | 3788 | 433 | 5 | 437 | 2494 | 0 | 2494 | 5623 | 27 | 5650 | 12338 | 31 | 12369 |
| 562 | Event catering and other food service activities | 66 | 0 | 66 | 0 | 0 | 0 | 26 | 0 | 26 | 135 | 0 | 135 | 227 | 0 | 227 |
| 563 | Beverage serving activities | 911 | - | 911 | 4 | - | 4 | 503 | - | 503 | 946 | - | 946 | 2364 | - | 2364 |

In total employment, the majority i.e. 505872 (62.5%) belong to Punjab province followed by 170061 (21.0%) in Sindh, 115117 (14.2%) in KP and 18441 (2.3%) in Balochistan. The males constitute around 98% of employment in Punjab, KP and Sindh provinces, 99% in Balochistan. In all provinces, other employees, which include sales staff, front office staff, chefs/cooks, room service staff, and waiters/butlers, are the major category followed by working proprietors.

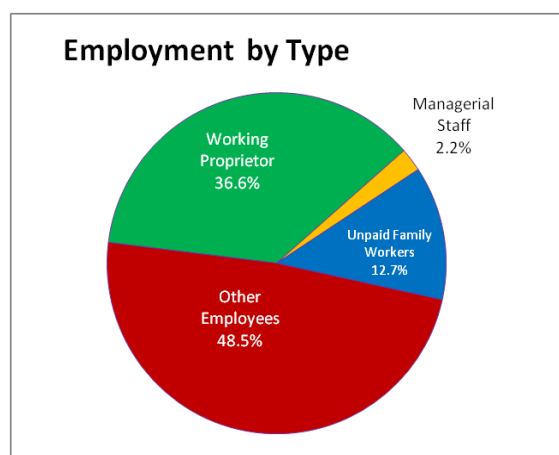


Figure 6.2: Employment by Type

Employment by type, gender and PSIC for establishments engaged in accommodation and food service activities at national and provincial levels is presented in Table 6.4(b). The employment details at the 3-digit level of the PSIC-2010 show that restaurants and mobile food service activities, beverage serving activities and short term accommodation are major employment provider activities in all the provinces (see Table 6.4(b) for detail).

6.8 Employment Cost by Industries

In addition to the number of persons engaged, employment costs have also been estimated at a detailed industry level separately including wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. According to the data, expenditure on employment cost in accommodation and food service activities stands at Rs.76.2 billion including Rs.51.3 billion on wages & salaries in cash (67.4%), Rs.12.2 billion in other cash payments (16.0%) and Rs.12.6 billion in payments in kind i.e. non-cash benefits (16.6%). The employment cost incurred in short term accommodation activities stands at Rs.39.2 billion (51.5%) followed by Rs.35.0 billion in restaurants and mobile food service activities (45.9%). Collectively, these two industries constitute 97.4% of the total employment cost in the accommodation and food service industry. The share of remaining industries i.e. camping grounds, recreational vehicle parks and trailer parks, other accommodation, event catering, and other food service activities in the total employment cost stands at 2.6%.

Table 6.5: Employment Cost by PSIC (Rs. in '000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|-------------|--|------------------|---------------------|-------------------------------------|----------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 51326543 | 12193652 | 12637463 | 76157659 |
| 551 | Short term accommodation activities | 22350213 | 8599366 | 8240565 | 39190144 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 9642 | - | 1531 | 11173 |
| 559 | Other accommodation | 141389 | 338 | 7409 | 149135 |
| 561 | Restaurants and mobile food service activities | 27133467 | 3559121 | 4262872 | 34955460 |
| 562 | Event catering and other food service activities | 594381 | 3020 | 52278 | 649680 |
| 563 | Beverage serving activities | 1097452 | 31807 | 72808 | 1202067 |
| KP | | 8734904 | 2261497 | 2428865 | 13425266 |
| 551 | Short term accommodation activities | 3919282 | 1634445 | 1580757 | 7134484 |
| 559 | Other accommodation | 14494 | 266 | 5455 | 20214 |
| 561 | Restaurants and mobile food service activities | 4638151 | 626415 | 823006 | 6087572 |
| 562 | Event catering and other food service activities | 33393 | 179 | 3740 | 37312 |
| 563 | Beverage serving activities | 129584 | 193 | 15907 | 145684 |
| Punjab | | 30632647 | 6705534 | 6970679 | 44308860 |
| 551 | Short term accommodation activities | 11363492 | 4384763 | 4197245 | 19945499 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 9642 | - | 1531 | 11173 |
| 559 | Other accommodation | 26889 | 72 | 1931 | 28892 |
| 561 | Restaurants and mobile food service activities | 18308157 | 2289736 | 2692830 | 23290724 |
| 562 | Event catering and other food service activities | 504304 | 2841 | 42224 | 549370 |
| 563 | Beverage serving activities | 420163 | 28123 | 34917 | 483203 |
| Sindh | | 11078707 | 2981715 | 2980119 | 17040541 |
| 551 | Short term accommodation activities | 6536400 | 2370606 | 2264486 | 11171491 |
| 559 | Other accommodation | 99015 | - | - | 99015 |
| 561 | Restaurants and mobile food service activities | 3847625 | 607632 | 688365 | 5143623 |
| 562 | Event catering and other food service activities | 55307 | 0 | 6094 | 61401 |
| 563 | Beverage serving activities | 540360 | 3476 | 21174 | 565011 |
| Balochistan | | 880285 | 244906 | 257801 | 1382992 |
| 551 | Short term accommodation activities | 531039 | 209553 | 198077 | 938669 |
| 559 | Other accommodation | 990 | - | 23 | 1014 |
| 561 | Restaurants and mobile food service activities | 339534 | 35337 | 58671 | 433542 |
| 562 | Event catering and other food service activities | 1378 | 0 | 220 | 1597 |
| 563 | Beverage serving activities | 7345 | 15 | 810 | 8169 |

In the total employment cost of Rs.76.2 billion, the establishments belonging to Punjab province incurred Rs.29.7 billion (58.2%) followed by Rs.17.0 billion (22.4%) in Sindh province, Rs.13.4 billion (17.6%) in KP and Rs.1.4 billion (1.8%) in Balochistan on the employment costs.

6.9 Inputs Cost by Industries and Products

The detail of expenditures incurred by accommodation and food service establishments on intermediate consumption during 2016-17 by products is presented in Table 6.6(a). According to the data, the total expenditure incurred on inputs and intermediate consumption by accommodation and food service industry amounts to Rs.468.5 billion.

The major item of expenditure in the accommodation and food service industry is food including grocery with Rs.299.5 billion, which accounts for 64.0% of total input costs. The items included in the food including groceries are bread and cereals, rice, meat (beef, mutton, and chicken), fish, oil and fats, vegetables, fruits and nuts, sugar, dairy products, pulses, and beverages. The share of other major items of expenditure are repair services is (Rs.13.9 billion) 3.0%,

rent of building (Rs.24.1 billion) 5.2%, electricity charges (Rs.19.9 billion) 4.3%, gas charges (Rs.22.7 billion) 4.8%, firewood (Rs.9.1 billion) 2.0% and other materials (Rs.19.2 billion) 4.1% (see Table 6(a) for detail). Further details of inputs by products and PSIC at national and provincial levels during 2016-17 are presented in table 6.6(b). According to the data, expenditure incurred by establishments engaged in accommodation and food services activities and located in Punjab province stands at Rs.275.6 billion i.e. 58.8% followed by Rs.107.1 billion (22.9%) in Sindh, Rs.76.2 billion (16.3%) in KP, and Rs.9.6 billion (2.0%) in Balochistan.

The data on expenditure by industries suggest that restaurants and mobile food service activities lead with the expenditure of Rs.272.4 billion i.e. 58.1% followed by Rs.95.7 billion (20.4%) in short term accommodation activities, Rs.76.6 billion (16.4%) in beverage serving activities, Rs.22 billion (4.7%) in event catering and other food servicing. The expenditure on inputs in the remaining two industries i.e. camping grounds, recreational vehicle and trailer parks and other accommodation stands at Rs.1.8 billion (0.4%). Restaurants and mobile food service industry has also emerged as the leading industry in terms of expenditure in all provinces. The industry-wise distribution of expenditure on inputs is also presented in Figure 6.3.

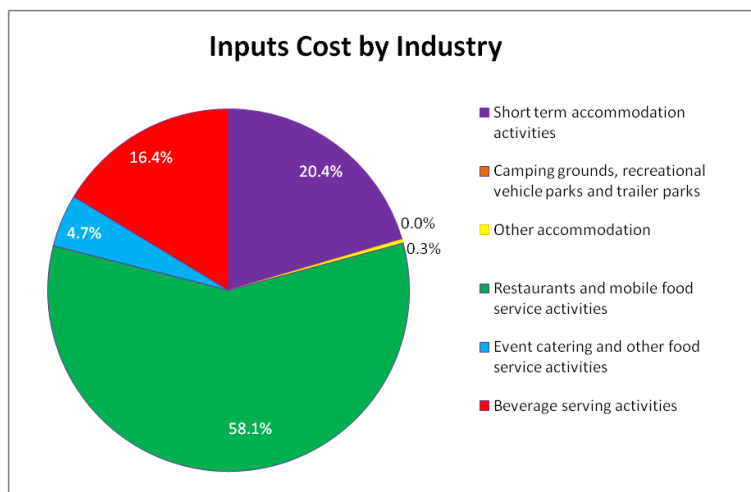


Figure 6.3: Input by Industry

Table 6.6(a): Input Cost by Product

| S.No | Items of Expenditure | Amount (Rs. in '000) | % Share |
|--------------|-------------------------------------|-----------------------------|----------------|
| 1 | Food including Grocery | 299,460,281 | 63.9 |
| 2 | Crockery | 5,005,849 | 1.1 |
| 3 | Uniforms etc. | 1,232,096 | 0.3 |
| 4 | Bed Sheets, Towels, Soap, etc. | 5,905,944 | 1.3 |
| 5 | Repair services | 13,886,840 | 3.0 |
| 6 | Rent of Building | 24,140,434 | 5.2 |
| 7 | Electricity Charges | 19,922,110 | 4.3 |
| 8 | Gas Charges | 22,696,100 | 4.8 |
| 9 | Water Charges | 3,076,389 | 0.7 |
| 10 | Fuel and Lubricants | 4,557,162 | 1.0 |
| 11 | Expenditure on wood (Firewood etc.) | 9,137,045 | 2.0 |
| 12 | Transportation Charges | 3,643,618 | 0.8 |
| 13 | Telephone/Fax/Telegraph/ Internet | 2,760,680 | 0.6 |
| 14 | Postage/Courier | 188,719 | 0.0 |
| 15 | Printing & Stationery | 1,258,638 | 0.3 |
| 16 | Travel Expenses | 2,097,651 | 0.4 |
| 17 | Insurance Premium | 2,954,344 | 0.6 |
| 18 | Interest paid | 6,620,319 | 1.4 |
| 19 | Packaging Charges | 2,114,782 | 0.5 |
| 20 | Legal and Professional Expenses | 1,908,657 | 0.4 |
| 21 | Entertainment Charges | 3,443,024 | 0.7 |
| 22 | Advertising | 1,784,671 | 0.4 |
| 23 | Cleaning Material | 3,463,411 | 0.7 |
| 24 | Laundry Inputs | 1,322,038 | 0.3 |
| 25 | Security Services | 6,666,711 | 1.4 |
| 26 | Other Materials n.e.c. | 19,247,232 | 4.1 |
| Total | | 468,494,746 | 100.0 |

Table 6.6(b): Input Cost by PSIC and products (Rs. in ‘000’)

| PSIC | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|-------------|---|-----------|---------|---------|---------|----------|----------|----------|----------|---------|---------|---------|---------|---------|--------|---------|
| Pakistan | | 299460281 | 5005849 | 1232096 | 5905944 | 13886840 | 24140434 | 19922110 | 22696100 | 3076389 | 4557162 | 9137045 | 3643618 | 2760680 | 188719 | 1258638 |
| 551 | Short term accommodation activities | 36727969 | 1172075 | 653971 | 3246703 | 7702967 | 5931448 | 6306336 | 4629381 | 795730 | 1634998 | 460489 | 1026048 | 895324 | 110643 | 629477 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 0 | 14485 | 0 | 14274 | 15017 | 390 | 33850 | 2472 | 2515 | 4944 | 0 | 6525 | 3736 | 0 | 0 |
| 559 | Other accommodation | 857109 | 3234 | 719 | 4301 | 20942 | 278632 | 188132 | 169699 | 10379 | 13223 | 100 | 13040 | 21206 | 1732 | 2660 |
| 561 | Restaurants and mobile food service activities | 189285588 | 2357221 | 531696 | 2423432 | 5572135 | 13868183 | 10710362 | 14418495 | 1818941 | 2045162 | 6024488 | 1844779 | 1360768 | 70119 | 517771 |
| 562 | Event catering and other food service activities | 15162043 | 700408 | 32559 | 117355 | 354161 | 1171629 | 746390 | 756189 | 146812 | 225127 | 565843 | 444777 | 165864 | 2415 | 21507 |
| 563 | Beverage serving activities | 57427572 | 758424 | 13152 | 99880 | 221618 | 2890153 | 1937039 | 2719863 | 302012 | 633708 | 2086124 | 308448 | 313782 | 3810 | 87223 |
| KP | | 47321499 | 830188 | 216527 | 1080369 | 2599008 | 4054497 | 3034446 | 3691860 | 328326 | 778814 | 1736238 | 858325 | 506309 | 31380 | 222079 |
| 551 | Short term accommodation activities | 9488253 | 262375 | 146677 | 608165 | 1451925 | 1269893 | 1198948 | 869804 | 134206 | 388729 | 226110 | 243527 | 214853 | 21198 | 130852 |
| 559 | Other accommodation | 403587 | 1230 | 0 | 1102 | 10036 | 204014 | 136720 | 73679 | 182 | 6666 | 5 | 5438 | 19257 | 1195 | 1813 |
| 561 | Restaurants and mobile food service activities | 32956174 | 435206 | 65128 | 446459 | 1064258 | 2103092 | 1538684 | 2443841 | 151994 | 326775 | 1353738 | 486410 | 230580 | 8797 | 87782 |
| 562 | Event catering and other food service activities | 1459258 | 70115 | 4407 | 12962 | 42593 | 224327 | 40779 | 40434 | 1462 | 16487 | 90533 | 68512 | 17604 | 164 | 1483 |
| 563 | Beverage serving activities | 3014227 | 61262 | 315 | 11681 | 30196 | 253170 | 119315 | 264103 | 40482 | 40157 | 65852 | 54439 | 24015 | 27 | 149 |
| Punjab | | 179014280 | 2667316 | 697087 | 3355069 | 7863771 | 14591305 | 12068224 | 14493565 | 1346287 | 2631526 | 4839781 | 1918004 | 1542283 | 104862 | 681711 |
| 551 | Short term accommodation activities | 17869998 | 573062 | 318397 | 1697346 | 3905697 | 3284710 | 3234393 | 2358137 | 356463 | 792148 | 153316 | 467447 | 438151 | 53150 | 308277 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 0 | 14485 | 0 | 14274 | 15017 | 390 | 33850 | 2472 | 2515 | 4944 | 0 | 6525 | 3736 | 0 | 0 |
| 559 | Other accommodation | 385004 | 1254 | 0 | 1996 | 3734 | 60358 | 26453 | 86444 | 7312 | 4276 | 0 | 0 | 1236 | 0 | 314 |
| 561 | Restaurants and mobile food service activities | 121063430 | 1227611 | 354615 | 1507339 | 3563683 | 9020896 | 7089788 | 9590954 | 799193 | 1277318 | 3807908 | 1019977 | 855776 | 48493 | 344372 |
| 562 | Event catering and other food service activities | 9682415 | 510948 | 23133 | 99789 | 264317 | 744925 | 603769 | 537656 | 94134 | 189217 | 378189 | 306376 | 110503 | 847 | 16459 |
| 563 | Beverage serving activities | 30013432 | 339955 | 941 | 34325 | 111323 | 1480026 | 1079970 | 1917902 | 86669 | 363624 | 500368 | 117679 | 132881 | 2373 | 12289 |
| Sindh | | 67598423 | 1466602 | 298137 | 1321039 | 3078923 | 4665467 | 4467301 | 4070404 | 1262133 | 1056626 | 2244157 | 817767 | 663123 | 49286 | 331068 |
| 551 | Short term accommodation activities | 8520400 | 313981 | 172900 | 829184 | 2081294 | 1211407 | 1679731 | 1231367 | 234293 | 421423 | 66870 | 295200 | 220533 | 33684 | 176587 |
| 559 | Other accommodation | 22906 | 743 | 719 | 988 | 7033 | 13621 | 24421 | 8422 | 2838 | 507 | 0 | 7529 | 443 | 537 | 534 |
| 561 | Restaurants and mobile food service activities | 31276645 | 679079 | 107850 | 432673 | 866390 | 2156430 | 1948168 | 2127189 | 806819 | 393156 | 582521 | 311253 | 253424 | 12251 | 75787 |
| 562 | Event catering and other food service activities | 3968367 | 118996 | 5019 | 4603 | 46586 | 196302 | 100622 | 176942 | 50834 | 18172 | 94479 | 69703 | 37376 | 1404 | 3375 |
| 563 | Beverage serving activities | 23810106 | 353802 | 11649 | 53590 | 77619 | 1087708 | 714358 | 526483 | 167350 | 223368 | 1500286 | 134083 | 151347 | 1410 | 74785 |
| Balochistan | | 5526080 | 41742 | 20347 | 149467 | 345138 | 829166 | 352139 | 440272 | 139642 | 90196 | 316870 | 49521 | 48966 | 3191 | 23781 |
| 551 | Short term accommodation activities | 849317 | 22657 | 15997 | 112008 | 264052 | 165437 | 193265 | 170073 | 70768 | 32698 | 14193 | 19874 | 21787 | 2612 | 13762 |
| 559 | Other accommodation | 45612 | 7 | 0 | 214 | 138 | 640 | 538 | 1154 | 48 | 1775 | 95 | 73 | 271 | 0 | 0 |
| 561 | Restaurants and mobile food service activities | 3989340 | 15326 | 4103 | 36962 | 77804 | 587765 | 133721 | 256512 | 60934 | 47914 | 280321 | 27140 | 20988 | 579 | 9829 |
| 562 | Event catering and other food service activities | 52004 | 348 | 0 | 0 | 664 | 6074 | 1219 | 1157 | 382 | 1251 | 2642 | 186 | 381 | 0 | 190 |
| 563 | Beverage serving activities | 589807 | 3404 | 247 | 283 | 2480 | 69249 | 23395 | 11376 | 7510 | 6559 | 19619 | 2248 | 5538 | 0 | 0 |

Table 6.6(b): Input Cost by PSIC and Products (Rs. in ‘000’)

| PSIC | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|-------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|-----------|
| Pakistan | | 2097651 | 2954344 | 6620319 | 2114782 | 1908657 | 3443024 | 1784671 | 3463411 | 1322038 | 6666711 | 19247232 | 468494746 |
| 551 | Short term accommodation activities | 910211 | 1981201 | 5092305 | 66701 | 597288 | 671438 | 1013662 | 794900 | 597002 | 3952441 | 8136416 | 95737128 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 0 | 0 | 0 | 0 | 0 | 3646 | 1977 | 12609 | 0 | 0 | 0 | 116440 |
| 559 | Other accommodation | 1052 | 416 | 0 | 346 | 1260 | 2547 | 1719 | 10669 | 12683 | 9718 | 8216 | 1633736 |
| 561 | Restaurants and mobile food service activities | 935572 | 971154 | 1524898 | 1611761 | 1144015 | 1777121 | 699668 | 1844792 | 591964 | 2628641 | 5836600 | 272415327 |
| 562 | Event catering and other food service activities | 71993 | 0 | 0 | 89784 | 132049 | 248884 | 38275 | 296366 | 97369 | 47533 | 345121 | 21980454 |
| 563 | Beverage serving activities | 178821 | 1573 | 3115 | 346189 | 34046 | 739387 | 29370 | 504075 | 23020 | 28377 | 4920879 | 76611661 |
| KP | | 436109 | 543496 | 1269879 | 303045 | 343445 | 550253 | 312037 | 658089 | 280438 | 1228881 | 2961740 | 76177280 |
| 551 | Short term accommodation activities | 186404 | 367365 | 991696 | 36909 | 131884 | 159290 | 196035 | 171204 | 148610 | 752177 | 1597625 | 21394717 |
| 559 | Other accommodation | 482 | 313 | 0 | 0 | 0 | 1641 | 415 | 5564 | 11438 | 6264 | 1811 | 892852 |
| 561 | Restaurants and mobile food service activities | 222760 | 175818 | 278183 | 237173 | 210631 | 330624 | 108581 | 391842 | 104420 | 463750 | 1060179 | 47282879 |
| 562 | Event catering and other food service activities | 10375 | 0 | 0 | 6309 | 129 | 19815 | 2918 | 38357 | 9249 | 747 | 24591 | 2203611 |
| 563 | Beverage serving activities | 16087 | 0 | 0 | 22654 | 800 | 38883 | 4087 | 51122 | 6721 | 5943 | 277535 | 4403221 |
| Punjab | | 1160382 | 1624315 | 3551436 | 1450191 | 891454 | 1958857 | 1040841 | 2015271 | 775428 | 3779840 | 9578952 | 275642034 |
| 551 | Short term accommodation activities | 439372 | 996792 | 2610505 | 23340 | 298446 | 335382 | 510300 | 417094 | 289784 | 2017099 | 3994761 | 47743563 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 0 | 0 | 0 | 0 | 0 | 3646 | 1977 | 12609 | 0 | 0 | 0 | 116440 |
| 559 | Other accommodation | 570 | 0 | 0 | 115 | 0 | 828 | 0 | 4504 | 1055 | 0 | 0 | 585452 |
| 561 | Restaurants and mobile food service activities | 577600 | 626940 | 940014 | 1196389 | 489181 | 1096923 | 490102 | 1112570 | 391510 | 1717850 | 3214340 | 173424773 |
| 562 | Event catering and other food service activities | 46502 | 0 | 0 | 63215 | 77449 | 197854 | 22670 | 200650 | 82810 | 39642 | 191290 | 14484759 |
| 563 | Beverage serving activities | 96337 | 583 | 917 | 167133 | 26379 | 324224 | 15791 | 267846 | 10269 | 5249 | 2178563 | 39287048 |
| Sindh | | 457423 | 725954 | 1667163 | 330188 | 457649 | 805105 | 403138 | 733484 | 248362 | 1526238 | 6346540 | 107091699 |
| 551 | Short term accommodation activities | 252940 | 566778 | 1371466 | 6108 | 151446 | 154361 | 284832 | 189487 | 147437 | 1088408 | 2360955 | 24063071 |
| 559 | Other accommodation | 0 | 103 | 0 | 0 | 1260 | 0 | 1303 | 497 | 191 | 3443 | 3846 | 101885 |
| 561 | Restaurants and mobile food service activities | 127995 | 158083 | 293621 | 151354 | 243605 | 257862 | 95043 | 306039 | 89568 | 410612 | 1412728 | 45576144 |
| 562 | Event catering and other food service activities | 15116 | 0 | 0 | 16330 | 54471 | 16476 | 8803 | 51351 | 5232 | 6966 | 49934 | 4198871 |
| 563 | Beverage serving activities | 61372 | 989 | 2076 | 153284 | 6867 | 364107 | 9274 | 180398 | 5936 | 16630 | 2442796 | 32131674 |
| Balochistan | | 43737 | 60578 | 131841 | 31357 | 216110 | 128808 | 28654 | 56567 | 17810 | 131753 | 360000 | 9583733 |
| 551 | Short term accommodation activities | 31496 | 50267 | 118638 | 344 | 15512 | 22405 | 22494 | 17115 | 11171 | 94757 | 183076 | 2535777 |
| 559 | Other accommodation | 0 | 0 | 0 | 231 | 0 | 78 | 0 | 104 | 0 | 11 | 2559 | 53548 |
| 561 | Restaurants and mobile food service activities | 7216 | 10311 | 13080 | 26846 | 200598 | 91711 | 5942 | 34341 | 6466 | 36429 | 149353 | 6131531 |
| 562 | Event catering and other food service activities | 0 | 0 | 0 | 819 | 0 | 2440 | 0 | 297 | 78 | 0 | 3025 | 73159 |
| 563 | Beverage serving activities | 5024 | 0 | 123 | 3119 | 0 | 12174 | 219 | 4710 | 95 | 555 | 21986 | 789719 |

See Table 6.6(a) for the column heading.

6.10 Taxes and Depreciation

The details of taxes paid and depreciation charged by the establishments engaged in accommodation and food service activities are presented in Table 6.7. The total taxes paid by the accommodation and food service industry amounts to Rs.57.973 billion including Rs.32.2 billion (Rs.15.2 billion in short term accommodation activities and Rs.16.1 billion in restaurants and mobile food service activities) General Sale Tax (i.e. 55.6%), Rs.1.4 billion (2.5%) motor vehicle/land tax, Rs.3.2 billion (5.6%) excise/import duties, Rs.18.6 billion (32.0%) taxes/provincial/ district taxes and Rs.2.5 billion (4.3%) other taxes. The major contribution i.e. Rs.31.6 billion(55%) in taxes comes from establishments engaged in short term accommodation activities followed by those engaged in restaurants and mobile food service activities with Rs.25.3 billion (44.0%). The provincial shares in the taxes stand at Rs.9.8 billion (16.8%) in KP, Rs.33.5 billion (57.9%) in Punjab, Rs.13.6 billion (23.5%) in Sindh, Rs.1.0 billion (1.8%) in Balochistan.

Table 6.7: Taxes and Depreciation by PSIC (Rs. in ‘000’)

| PSIC | | General Sales Taxes | Motor Vehicle Tax/ Land Tax | Excise/ Import Duty | Provincial/ District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|---|---------------------|-----------------------------|---------------------|----------------------------|-------------|-------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 32235882 | 1434213 | 3226027 | 18573307 | 2503722 | 57973150 | 14321663 |
| 551 | Short term accommodation activities | 15177160 | 949288 | 2667111 | 11377444 | 1464159 | 31635161 | 7136857 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | - | - | - | 1292 | 283 | 1575 | 3150 |
| 559 | Other accommodation | 38471 | 2319 | 522 | 2829 | 44255 | 88396 | 45037 |
| 561 | Restaurants and mobile food service activities | 16128415 | 479157 | 549261 | 7160302 | 977595 | 25294731 | 5243665 |
| 562 | Event catering and other food service activities | 53553 | 2574 | 2351 | 4335 | 7195 | 70007 | 140014 |
| 563 | Beverage serving activities | 838284 | 874 | 6783 | 27105 | 10234 | 883280 | 1752940 |
| KP | | 5101081 | 264707 | 620379 | 3285693 | 481150 | 9753009 | 2120951 |
| 551 | Short term accommodation activities | 2419114 | 181719 | 539339 | 2033378 | 292642 | 5466193 | 1319008 |
| 559 | Other accommodation | - | 2319 | 522 | 2449 | 15600 | 20890 | 41780 |
| 561 | Restaurants and mobile food service activities | 2681911 | 80669 | 80061 | 1249386 | 169816 | 4261843 | 751997 |
| 562 | Event catering and other food service activities | 55 | 0 | 0 | 342 | 1499 | 1896 | 3792 |
| 563 | Beverage serving activities | - | - | 456 | 138 | 1593 | 2187 | 4375 |
| Punjab | | 19366165 | 790288 | 1685700 | 10320083 | 1384318 | 33546555 | 7858816 |
| 551 | Short term accommodation activities | 8282703 | 498358 | 1316455 | 5551214 | 719821 | 16368550 | 3865195 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | - | - | - | 1292 | 283 | 1575 | 3150 |
| 559 | Other accommodation | - | - | - | 380 | - | 380 | 760 |
| 561 | Restaurants and mobile food service activities | 11029305 | 290435 | 361319 | 4736896 | 657342 | 17075297 | 3788202 |
| 562 | Event catering and other food service activities | 52721 | 1496 | 2351 | 3888 | 3856 | 64312 | 128626 |
| 563 | Beverage serving activities | 1436 | 0 | 5575 | 26413 | 3017 | 36441 | 72882 |
| Sindh | | 7214763 | 354433 | 855576 | 4616280 | 597380 | 13638432 | 4137683 |
| 551 | Short term accommodation activities | 4116096 | 249380 | 748200 | 3523890 | 420623 | 9058189 | 1795642 |
| 559 | Other accommodation | 38471 | - | - | - | 28656 | 67126 | 2497 |
| 561 | Restaurants and mobile food service activities | 2222572 | 103101 | 106625 | 1091753 | 140693 | 3664745 | 656421 |
| 562 | Event catering and other food service activities | 776 | 1078 | 0 | 104 | 1809 | 3766 | 7533 |
| 563 | Beverage serving activities | 836848 | 874 | 751 | 533 | 5599 | 844605 | 1675591 |
| Balochistan | | 553873 | 24784 | 64373 | 351250 | 40875 | 1035154 | 204213 |
| 551 | Short term accommodation activities | 359246 | 19832 | 63117 | 268961 | 31073 | 742228 | 157011 |
| 561 | Restaurants and mobile food service activities | 194626 | 4953 | 1256 | 82267 | 9745 | 292847 | 47045 |
| 562 | Event catering and other food service activities | - | - | - | - | 32 | 32 | 63 |
| 563 | Beverage serving activities | - | - | - | 21 | 25 | 46 | 93 |

The total depreciation charged by accommodation and food service activities during the financial year 2016-17 amounts to Rs.14.3 billion including Rs.7.1 billion (49.8%) by establishments engaged in the provision of short term accommodation activities and Rs.5.2 billion (36.6%) by restaurants and mobile food service activities. The depreciation charged by establishments engaged in beverage serving activities stands at Rs.1.8 billion i.e. 12.2% of the total. The

provincial shares in the depreciation stand at Rs.2.1 billion (14.8%) in KP, Rs.7.8 billion (54.9%) in Punjab, Rs.4.1 billion (28.9%) in Sindh and Rs.0.2 billion (1.4%) in Balochistan.

6.11 Output by Industries and Products

The turnover/income of establishments engaged in accommodation and food service activities by products and industries at national and provincial levels has been reported in Table 6.8. The output of accommodation and food service establishments during 2016-17 amounts to Rs.920.5 billion. From the industry point of view, the major contribution i.e. Rs.523.4 billion (56.9%) comes from restaurants and mobile food service activities followed by Rs.213.8 billion (23.2%) in Short term accommodation activities. These two industries collectively account for 80.1% of the total output of the overall accommodation and food service industry. The share of beverage serving activities in the total output stands at Rs.136.3 billion (14.8%). The industry-wise shares of output are also presented in Figure 6.4.

In terms of products, major share in the output is from food and beverage services activities and amounts to Rs.696.1 billion (75.6%) followed by short term accommodation activities/ camping grounds with Rs.145.6 billion (15.8%), other accommodation with Rs.23.8 billion (2.6%), value of other receipts (Car rentals, laundry, gyms, transportation, etc.) with Rs.15.6 billion (1.7%) and revenue from other services with Rs.39.3 billion (4.3%).

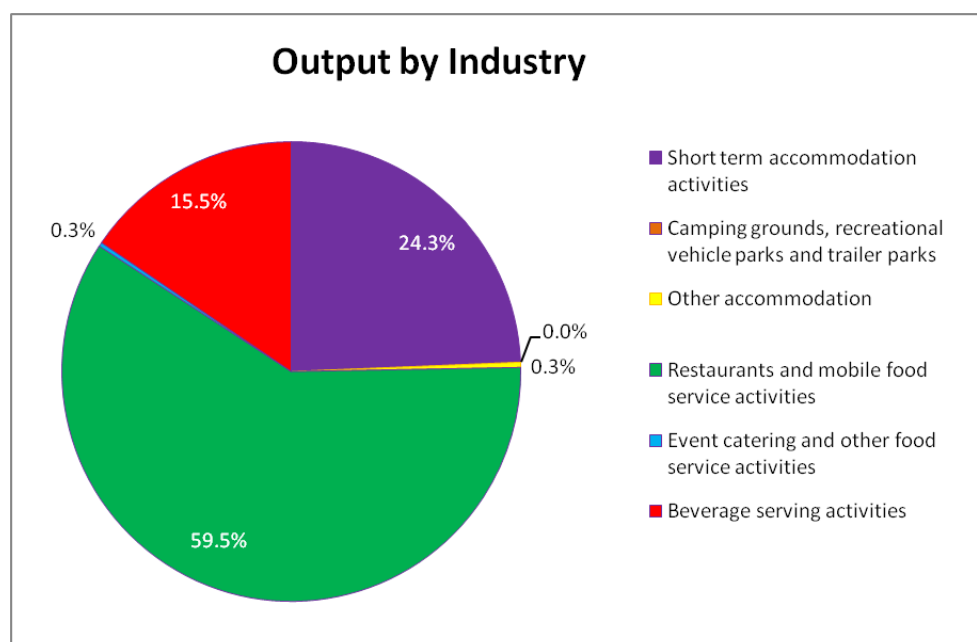


Figure 6.4: Industry-wise Output

The provincial shares in the total output of accommodating and food service activities stand at Rs.150.1 billion (16.3%) in KP, Rs.537.5 billion (58.4%) in Punjab, Rs.212.6 billion (23.1%) in Sindh and Rs.20.3 billion (2.2%) in Balochistan. Restaurants and mobile food service activities are the leading contributors to the output followed by short term accommodation activities and beverage serving activities in all the provinces.

Table 6.8: Output by PSIC (Rs. in '000')

| PSIC | | Short term accommodation activities/ Camping grounds | Other accommodation | Food and beverage services | Value of other receipts (Car rentals, laundry, gyms, transportation, etc.) | Revenue from other services | Total |
|-------------|---|---|---------------------|----------------------------|--|-----------------------------|-----------|
| 1 | | 2 | 3 | 4 | 6 | 7 | 5 |
| Pakistan | | 145649786 | 23816962 | 696077990 | 15610821 | 39331067 | 920486625 |
| 551 | Short term accommodation activities | 73355351 | 17647245 | 106574242 | 7232794 | 8964782 | 213774415 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 399691 | - | - | - | - | 399691 |
| 559 | Other accommodation | - | 1646706 | 1434232 | 16533 | 111494 | 3208964 |
| 561 | Restaurants and mobile food service activities | 71416546 | 4318850 | 423953884 | 5936213 | 17736393 | 523361886 |
| 562 | Event catering and other food service activities | 185594 | 154850 | 42186897 | 7200 | 871419 | 43405961 |
| 563 | Beverage serving activities | 292604 | 49310 | 121928734 | 2418081 | 11646979 | 136335708 |
| KP | | 28182228 | 4889831 | 111206364 | 2283459 | 3535082 | 150096963 |
| 551 | Short term accommodation activities | 15439012 | 3003082 | 24527046 | 1320648 | 1597064 | 45886852 |
| 559 | Other accommodation | - | 1350152 | 188379 | 15369 | - | 1553900 |
| 561 | Restaurants and mobile food service activities | 12743216 | 536597 | 75351137 | 761058 | 1261104 | 90653113 |
| 562 | Event catering and other food service activities | 0 | 0 | 3563958 | 0 | 322179 | 3886136 |
| 563 | Beverage serving activities | - | - | 7575844 | 186384 | 354735 | 8116962 |
| Punjab | | 84279952 | 12795467 | 410551825 | 9083124 | 20773567 | 537483937 |
| 551 | Short term accommodation activities | 35734185 | 9852666 | 51938031 | 3656495 | 5069117 | 106250494 |
| 552 | Camping grounds, recreational vehicle parks and trailer parks | 399691 | - | - | - | - | 399691 |
| 559 | Other accommodation | - | 130478 | 1112694 | - | 15142 | 1258314 |
| 561 | Restaurants and mobile food service activities | 47688730 | 2645062 | 265495337 | 3735983 | 12216059 | 331781169 |
| 562 | Event catering and other food service activities | 185594 | 154850 | 28446502 | 7200 | 459225 | 29253372 |
| 563 | Beverage serving activities | 271753 | 12412 | 63559261 | 1683448 | 3014025 | 68540898 |
| Sindh | | 30626316 | 4645179 | 159176262 | 4019675 | 14135938 | 212603370 |
| 551 | Short term accommodation activities | 20583073 | 3726045 | 27445659 | 2092403 | 2104549 | 55951730 |
| 559 | Other accommodation | - | 156541 | 115567 | 1164 | 11296 | 284568 |
| 561 | Restaurants and mobile food service activities | 10029081 | 735414 | 71910992 | 1379799 | 3833454 | 87888739 |
| 562 | Event catering and other food service activities | 0 | 0 | 10087154 | 0 | 62700 | 10149854 |
| 563 | Beverage serving activities | 14162 | 27179 | 49616890 | 546309 | 8123939 | 58328478 |
| Balochistan | | 2561289 | 1486484 | 15143539 | 224563 | 886480 | 20302355 |
| 551 | Short term accommodation activities | 1599080 | 1065452 | 2663506 | 163249 | 194053 | 5685340 |
| 559 | Other accommodation | - | 9536 | 17592 | - | 85055 | 112183 |
| 561 | Restaurants and mobile food service activities | 955519 | 401777 | 11196418 | 59373 | 425776 | 13038864 |
| 562 | Event catering and other food service activities | 0 | 0 | 89283 | 0 | 27315 | 116599 |
| 563 | Beverage serving activities | 6689 | 9720 | 1176740 | 1940 | 154281 | 1349370 |

6.12 Gross Fixed Capital Formation

The expenditure made on GFCF by establishments engaged in accommodation and food service activities is reported in Table 6.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.93 billion. By Industry, the major contribution i.e. Rs.52.3 billion, which accounts for 56.3% of overall GFCF of accommodation and food service industry, is from short term accommodation activities followed by Rs.37.0 billion, which accounts for 39.8% of overall GFCF in restaurants and mobile food service activities.

Table 6.9: GFCF by Type of Assets and PSIC (Rs. in ‘000’)

| PSIC | | Dwelling (Residential) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|--|---------------------------|---------------------------------|-------------------------------|--------------------------------------|----------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 8759275 | 37347073 | 42766594 | 4094911 | 92967853 |
| 551 | Short term accommodation activities | 7181538 | 21671767 | 20101986 | 3361482 | 52316773 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 4944 | - | 6173 | - | 11117 |
| 559 | Other accommodation | - | 70738 | 19099 | 8803 | 98640 |
| 561 | Restaurants and mobile food service activities | 1180203 | 14695113 | 20390964 | 694744 | 36961024 |
| 562 | Event catering and other food service activities | 0 | 538409 | 806924 | 9001 | 1354334 |
| 563 | Beverage serving activities | 392590 | 371046 | 1441448 | 20882 | 2225965 |
| KP | | 1684838 | 5903840 | 6304695 | 810638 | 14704010 |
| 551 | Short term accommodation activities | 1442417 | 3314704 | 2806102 | 671879 | 8235101 |
| 559 | Other accommodation | - | 12058 | 12780 | - | 24838 |
| 561 | Restaurants and mobile food service activities | 242421 | 2567400 | 3343299 | 137250 | 6290370 |
| 562 | Event catering and other food service activities | 0 | 936 | 75913 | 1381 | 78231 |
| 563 | Beverage serving activities | - | 8742 | 66600 | 127 | 75469 |
| Punjab | | 4107234 | 21989096 | 25901975 | 2063921 | 54062227 |
| 551 | Short term accommodation activities | 3478550 | 12204960 | 11208793 | 1658895 | 28551197 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 4944 | - | 6173 | - | 11117 |
| 559 | Other accommodation | - | - | 1975 | - | 1975 |
| 561 | Restaurants and mobile food service activities | 623742 | 9263460 | 13216848 | 384830 | 23488879 |
| 562 | Event catering and other food service activities | 0 | 466446 | 525267 | 7620 | 999332 |
| 563 | Beverage serving activities | 0 | 54230 | 942920 | 12576 | 1009726 |
| Sindh | | 2791807 | 8290617 | 9672911 | 1123276 | 21878610 |
| 551 | Short term accommodation activities | 2090887 | 5248708 | 5524266 | 938343 | 13802205 |
| 559 | Other accommodation | - | 35911 | 1951 | 8803 | 46666 |
| 561 | Restaurants and mobile food service activities | 308330 | 2649327 | 3520835 | 167954 | 6646445 |
| 562 | Event catering and other food service activities | 0 | 71026 | 198021 | 0 | 269048 |
| 563 | Beverage serving activities | 392590 | 285644 | 427837 | 8176 | 1114246 |
| Balochistan | | 175396 | 1163520 | 887013 | 97076 | 2323006 |
| 551 | Short term accommodation activities | 169685 | 903395 | 562825 | 92365 | 1728270 |
| 559 | Other accommodation | - | 22768 | 2392 | - | 25160 |
| 561 | Restaurants and mobile food service activities | 5711 | 214927 | 309982 | 4709 | 535329 |
| 562 | Event catering and other food service activities | 0 | 0 | 7724 | 0 | 7724 |
| 563 | Beverage serving activities | - | 22431 | 4091 | 2 | 26523 |

GFCF in these two industries accounts for 96.0% of the overall GFCF of the accommodation and food service industry. The remaining contribution is from beverage serving activities (Rs.2.2 billion), event catering (Rs.1.4 billion) and Rs.0.1 billion in camping grounds, recreational vehicle parks, and trailer parks, other accommodation, and other food service activities.

As far as product-wise expenditure on GFCF is concerned, major chunk of GFCF i.e. Rs.42.8 billion (46%) has been reported under the head machinery and equipment followed by Rs.37.3 billion (40.2%) in other building and structure, Rs.8.8 billion (9.4%) under dwellings (residential buildings) and Rs.4.1 billion (4.4%) under Intellectual Property Products.

The GFCF expenditure incurred by establishments belonging to Punjab, Sindh, KP and Balochistan stands at Rs.54.1 billion (58.2%), Rs.21.9 billion (23.5%), Rs.14.7 billion (15.8%) and Rs.2.3 billion (2.5%) respectively.

6.13 Summary Findings: Accommodation and Food Service Industry

Summary findings of the study on accommodation and food service industry 2016-17 are presented in Table 6.10. The total output at producer's prices in accommodation and food service industry has been estimated at Rs.920.5 billion out of which Rs.3.3 billion paid on account of import/excise duties i.e. taxes on products have been deducted to get the output at basic prices amounting to Rs.917.1 billion. The intermediate consumption at purchaser's prices, excluding the interest and insurance payments has been valued at Rs.458.9 billion. Hence, gross value added (GVA) at basic prices of the accommodation and food service industries comes to Rs.458.2 billion. In the GVA, major contribution i.e. Rs.252.8 billion, which accounts for 55.2% of overall GVA of accommodation

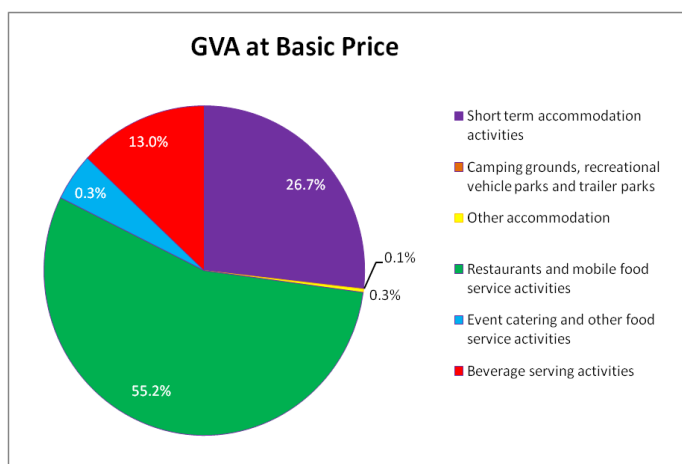


Figure 6.5: Industry-wise GVA

and food service industry, is from restaurants and mobile food service activities followed by Rs.122.4 billion, which accounts for 26.7% of overall GVA is from short term accommodation activities. GVA in these two industries accounts for about 82% of the overall value added to the accommodation and food service industry. Another significant contribution i.e. Rs.59.7 billion (13.0%) is from beverage serving activities and Rs.21.4 billion (4.7%) in the event catering industry and other food service activities. The remaining contribution worth Rs.4.4 billion i.e. about 1% collectively come from camping grounds, recreational vehicle parks, and trailer parks, other accommodation. Industry-wise shares of GVA are also presented in Figure 6.5.

The share of Punjab province in the overall GVA stands at Rs.265.3 billion (57.9%) followed by Rs.107.0 billion (23.4%) in Sindh and Rs.75.0 billion (16.4%) in Balochistan. Restaurants and mobile food service activities are the major contributor in the GVA in Punjab, Sindh, KP and Balochistan with shares of 60.1%, 39.8%, 58.3% and 63.9% followed by those engaged in short term accommodation activities with shares of 22.9%, 30.9%, 33.7%, and 30.0% respectively. In all the provinces, beverage serving activities are the third major contributor in the GVA. Province-wise shares of GVA are also presented in Figure 6.6.

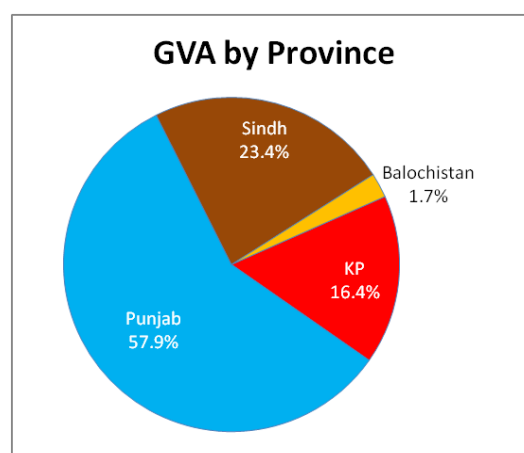


Figure 6.6: GVA by Province

Table 6.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/ excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|-------------|---|-----------------------------------|---|---------------------------|---|------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 920486625 | 3362687 | 917123938 | 458920083 | 458203855 |
| 551 | Short term accommodation activities | 213774415 | 2704826 | 211069589 | 88663621 | 122405968 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 399691 | 283 | 399407 | 116440 | 282967 |
| 559 | Other accommodation | 3208964 | 16122 | 3192843 | 1633320 | 1559523 |
| 561 | Restaurants and mobile food service activities | 523361886 | 614947 | 522746939 | 269919275 | 252827664 |
| 562 | Event catering and other food service activities | 43405961 | 9546 | 43396414 | 21980454 | 21415961 |
| 563 | Beverage serving activities | 136335708 | 16963 | 136318745 | 76606973 | 59711772 |
| KP | | 150096963 | 689644 | 149407319 | 74363904 | 75043415 |
| 551 | Short term accommodation activities | 45886852 | 568764 | 45318088 | 20035656 | 25282432 |
| 559 | Other accommodation | 1553900 | 16122 | 1537778 | 892538 | 645239 |
| 561 | Restaurants and mobile food service activities | 90653113 | 101210 | 90551903 | 46828878 | 43723025 |
| 562 | Event catering and other food service activities | 3886136 | 1499 | 3884637 | 2203611 | 1681026 |
| 563 | Beverage serving activities | 8116962 | 2049 | 8114913 | 4403221 | 3711692 |
| Punjab | | 537483937 | 1737001 | 535746936 | 270466283 | 265280653 |
| 551 | Short term accommodation activities | 106250494 | 1324565 | 104925928 | 44136267 | 60789661 |
| 552 | Camping grounds, recreational vehicle parks, and trailer parks | 399691 | 283 | 399407 | 116440 | 282967 |
| 559 | Other accommodation | 1258314 | - | 1258314 | 585452 | 672862 |
| 561 | Restaurants and mobile food service activities | 331781169 | 397354 | 331383815 | 171857818 | 159525997 |
| 562 | Event catering and other food service activities | 29253372 | 6206 | 29247167 | 14484759 | 14762407 |
| 563 | Beverage serving activities | 68540898 | 8592 | 68532306 | 39285548 | 29246758 |
| Sindh | | 212603370 | 871364 | 211732006 | 104698582 | 107033424 |
| 551 | Short term accommodation activities | 55951730 | 748333 | 55203397 | 22124827 | 33078570 |
| 559 | Other accommodation | 284568 | - | 284568 | 101782 | 182786 |
| 561 | Restaurants and mobile food service activities | 87888739 | 114925 | 87773814 | 45124440 | 42649375 |
| 562 | Event catering and other food service activities | 10149854 | 1809 | 10148045 | 5218925 | 4929120 |
| 563 | Beverage serving activities | 58328478 | 6296 | 58322182 | 32128609 | 26193573 |
| Balochistan | | 20302355 | 64678 | 20237677 | 9391314 | 10846363 |
| 551 | Short term accommodation activities | 5685340 | 63163 | 5622176 | 2366871 | 3255305 |
| 559 | Other accommodation | 112183 | - | 112183 | 53548 | 58635 |
| 561 | Restaurants and mobile food service activities | 13038864 | 1458 | 13037407 | 6108139 | 6929268 |
| 562 | Event catering and other food service activities | 116599 | 32 | 116567 | 73159 | 43408 |
| 563 | Beverage serving activities | 1349370 | 25 | 1349344 | 789596 | 559748 |

**Table 6.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Accommodation and Food Service Activities**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 0 | 0 | 294,044 | - | - |
| Output at basic Prices (Rs.Million) | 363,552 | 1,579,991 | 917,124 | 152.27 | -41.95 |
| Intermediate at purchaser's Prices (Rs.Million) | 232,428 | 1,010,127 | 458,920 | 97.45 | -54.57 |
| Gross Value Added at basic prices (Rs.Million) | 131,124 | 569,864 | 458,204 | 249.44 | -19.59 |
| GFCF (Rs.Million) | 0 | 0 | 92,968 | - | - |

Chapter 7 : Publishing Industry

7.1 Introduction

In the national income accounting framework, Publishing Activities are covered under Division-58, which is one of the main components of Information and Communication i.e. Section J of the PSIC-2010. This classification consists of an articulate and consistent structure of economic activities including Publishing based on a set of internationally agreed concepts, definitions, principles and classification rules. Publishing includes the publishing of books, brochures, leaflets, dictionaries, encyclopedias, atlases, maps and charts; publishing of newspapers, journals and periodicals; directory and mailing list and other publishing, as well as software publishing. Further, acquisition of copyrights to content (information products) and making this content available to the general public by engaging in (or arranging for) the reproduction and distribution of this content in various forms are also included. All the feasible forms of publishing (in print, electronic or audio form, on the internet, as multimedia products such as CD-ROM reference books, etc.) are included in this section.

In order to re-assess the contribution of publishing activities in the GDP of Pakistan under the umbrella of Rebasing of National Accounts of Pakistan from 2005-06 to 2015-16, PBS has broadly divided publishing into two major categories including i) Publishing of books, periodicals, and other publishing activities and ii) Software Publishing. The current report covers only the first part i.e. Publishing of books, periodicals and other publishing activities, which includes further categories such as i) book publishing ii) publishing of directories and mailing lists iii) publishing of newspapers, journals, and periodicals and iv) other publishing activities. It is important to note that printing of newspapers, journals, periodicals, books, brochures is part of manufacturing, i.e. Section C of the PSIC. In this part, establishments with publishing as a major activity have been covered only. Further, in order to have a better assessment of the contribution of publishing activities, it was further divided into census and survey parts. In the census part, major publishers i.e. industry leaders have been covered separately. In the survey part, the publishing establishment operating in the selected block was covered under Survey on “Other Private Services”. For the census part, a predefined list of the establishment was provided to PBS Regional/Field offices with clear instruction not to cover any establishment twice, if it falls in a block selected for the survey part. The results of both census and survey parts have been combined to represent the contribution of the industry.

This part of the report includes the combined results of data extracted from publishing establishments through surveys and census. This chapter includes the data and the descriptive analysis of private-sector publishing in Pakistan to assist the researchers, policymakers in economic analysis, decision-making, and policy-making. The main purpose of the exploration is to provide a meaningful picture of the contribution of such activities towards the national economy.

7.2 Coverage

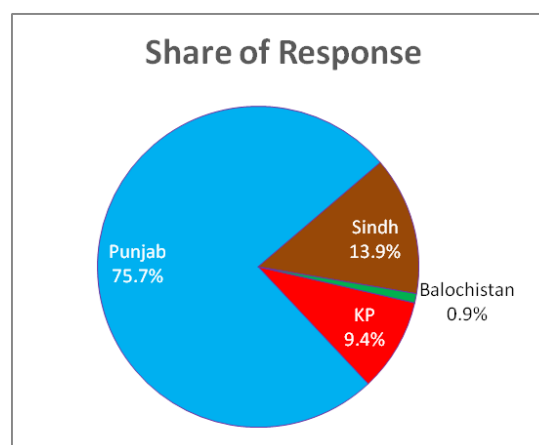
7.2.1 Geographical Coverage

According to the data, there are 5655 establishments engaged in the publishing industry in the private sector in Pakistan. The greatest contribution of the share and coverage is recorded by the

largest province by population i.e. Punjab which is 75.7%, whereas the share of KP, Sindh, and Baluchistan is 9.4%, 13.9%, and 0.9% respectively. The respective share by Provinces in the Publishing activities is shown in the Pie chart (Figure 7.1) below in percentage. Each color in the chart represents the province and their respective share in the units of establishments exists within the country. Further detail on the share of coverage is specified in Table 7.1(a). In this report, the publishing activities have been reported corresponding to the industry-wise classification.

Table 7.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 5655 | 100 |
| KP | 531 | 9.4% |
| Punjab | 4283 | 75.7% |
| Sindh | 788 | 13.9% |
| Balochistan | 53 | 0.9% |



7.2.2 Industry-wise coverage

Figure 7.1: Coverage by Province

In PSIC, all economic activities are treated as industries, which are distinct, mutually exclusive and collectively exhaustive. The most detailed level of activities, described in the PSIC is at 5-digits level. The data obtained from individual establishments and engaged in a similar type of activities, which have been assigned the same code, have been grouped together and results have been compiled by industries at 5-digits level. However, sufficient representation of establishment at 5-digits level was not found for all industries. Therefore, results have been further aggregated at 4-digits level. These 4-digits levels of industries include book publishing, publishing of directories and mailing lists, publishing of newspapers journals and periodicals and other publishing activities. All the results in this part of the report have been presented against the aforementioned activities. Table 7.1(b) shows the Industry-wise distribution of the establishments among the provinces and federal capital.

According to the results, 5655 establishments have been covered in the study including 988 units engaged in book publishing, 273 units in the publishing of newspapers, journals and periodicals, 52 units in the publishing of directories and mailing lists, and 4341 units in other publishing activities. Among those engaged in book publishing, 91.9% are in Punjab whereas less than 1% in Baluchistan. In other publishing activities, most of the establishments 71.4% (3100 units) work in Punjab followed by 11% in KP, 16.5% in Sindh and 1% in Baluchistan. Among those engaged in the publishing of newspapers, journals, and periodicals, 0.4% of the establishment is based in KP and Balochistan each, 2.2% to Sindh and 97.1% to Punjab province. The distribution of establishments in KP by industries shows that majority i.e. 90.6% are engaged in other publications followed by 9% in book publishing, 0.2% in the publishing of directories and mailing lists, as well as in publishing of newspapers, journals, and periodicals.

Table 7.1(b): Coverage by PSIC

| PSIC | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|---|----------|-----|--------|-------|-------------|
| | | 5655 | 531 | 4283 | 788 | 53 |
| 5811 | Book publishing | 988 | 48 | 908 | 24 | 8 |
| 5812 | Publishing of directories and mailing lists | 52 | 1 | 10 | 41 | 0 |
| 5813 | Publishing of newspapers, journals, and periodicals | 273 | 1 | 265 | 6 | 1 |
| 5819 | Other publishing activities | 4341 | 481 | 3100 | 717 | 44 |

The share of publishing of newspapers, journals, and periodicals is 6.2% in Punjab province. Similarly, the establishments in book publishing are 21.2% and other publishing activities are 72.4. The major portion of the publishing of directories and mailing lists comes from Sindh (78.8%).

7.3 Registration Status

It is important to report the number of establishments registered, maintaining accounts or not in order to have some understanding of the nature of the informality of the businesses. The Publishing establishments were asked about their registration status whether registered with any government agency or not. The province-wise summary of registration status is presented in Table 7.2(a).

According to the data, about 6% (328) establishments were observed as registered in the country. The percentage of registered establishments in Sindh is 5.7% approximately whereas that of KP, Punjab, and Balochistan is 1.3%, 11.9%, and 24.4% respectively. The province and industry-wise break up of registered establishments have been provided in Table 7.2(a) below. Data shows that 1.1% of the establishments engaged in book publishing are registered whereas 0.3% publishing directories and mailing lists, 2.2% in publishing newspapers, journals and periodical and around 2.3% of those engaged in other publishing activities are also registered with the government.

Table 7.2(a): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|--|-------|-------------------------------------|----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 5655 | 328 | 7 | 264 | 45 | 13 | 5.8 |
| 5811 | Book publishing | 988 | 61 | 2 | 49 | 7 | 3 | 1.1 |
| 5812 | Publishing of directories and mailing lists | 52 | 16 | 1 | 10 | 5 | 0 | 0.3 |
| 5813 | Publishing of newspapers, journals and periodicals | 273 | 124 | 1 | 116 | 6 | 1 | 2.2 |
| 5819 | Other publishing activities | 4,341 | 127 | 3 | 88 | 27 | 9 | 2.3 |

7.4 Maintenance of Accounts

The criteria for maintenance of accounts are also used to classify whether an establishment is formal or informal. Therefore, establishments were asked whether they maintain their accounts or not. The summary of responses is provided in Table 7.2(b), according to which, 676 establishments (approx. 12%) in the publishing industry are maintaining their accounts. The proportion of establishments maintaining their accounts is 7.5%, 1.5%, 14.1% and 7.6% in Baluchistan, Khyber Pakhtunkhwa, Punjab, and Sindh respectively. From the industry point of view, the highest proportion of establishments maintaining accounts i.e. 9.6% belong to book publishing followed by 1.8% in other publishing activities, 0.6% in collectively in the publishing of directories and mailing lists and publishing of newspapers, journals and periodicals.

Table 7.2(b): Number of Establishments Maintaining Accounts

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintain Accounts (Total) |
|------|--|-------|---|----|--------|-------|-------------|-----------------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 5655 | 676 | 8 | 604 | 60 | 4 | 11.9 |
| 5811 | Book publishing | 988 | 545 | 2 | 540 | 0 | 3 | 9.6 |
| 5812 | Publishing of directories and mailing lists | 52 | 16 | 1 | 10 | 5 | 0 | 0.3 |
| 5813 | Publishing of newspapers, journals and periodicals | 273 | 16 | 1 | 8 | 6 | 1 | 0.3 |
| 5819 | Other publishing activities | 4,341 | 99 | 4 | 46 | 49 | 0 | 1.8 |

A combined summary of establishments registered with government agencies and maintaining accounts is presented in Figure 7.2. The part of the bars in blue color shows the percentage of establishments in the respective province registered with government agencies. The percentage of bars in red color shows unregistered establishments. The yellow diamond marks represent the percentage of establishments that maintained their accounts.

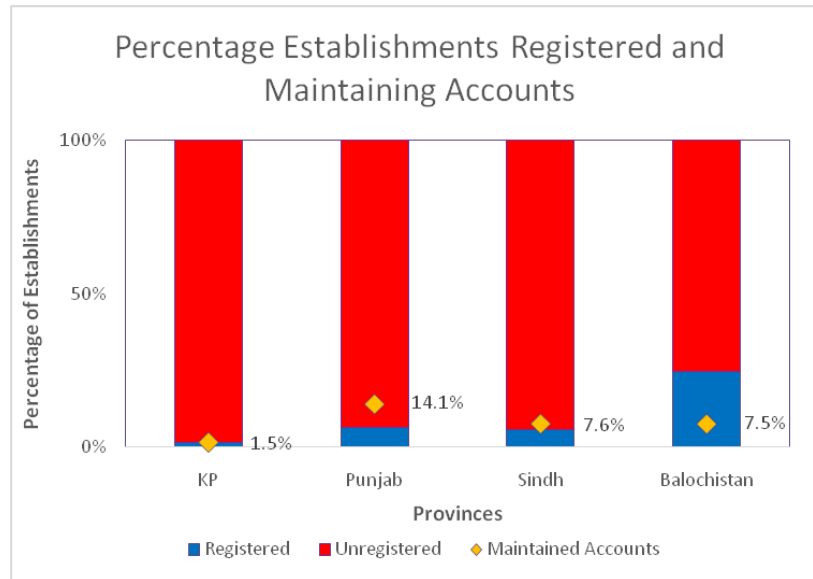


Figure 7.2: Summary of Establishments: Registered and Maintaining Accounts

According to Figure 7.2, less than 10% of the establishments in KP, Punjab, and Sindh are registered whereas for Balochistan the number of establishments registered with the government is more than 20% of the total number of units working in the province. Comparatively, a smaller number of establishments i.e. 12% maintain their accounts as evident by the yellow marks in the figure. The proportion of establishments maintaining accounts is 1.5% in KP, whereas, it is 14.1%, 7.6% and 7.5% in Punjab, Sindh, and Balochistan respectively.

7.5 Type of Ownership in the Publishing Industry

Detail of ownership structure of establishments engaged in publishing activities is presented in Table 7.3(a) and 7.3(b). Table 7.3(a) shows the ownership of the businesses and its dissemination among the provinces. According to the data collected through the current study, the individual ownership accounts for around 94.2% of the total publishing establishments. The operation of 5325 out of 5655 total publishing units covered in the study is owned by the individuals. The partnership is the second most common form of ownership among those, having 267 units i.e. 4.7% whereas the remaining 1.1% establishments are owned by the Private Limited Companies. The industry-wise distribution of establishments by ownership structure is presented in Table 7.3(b) and Figure 7.3.

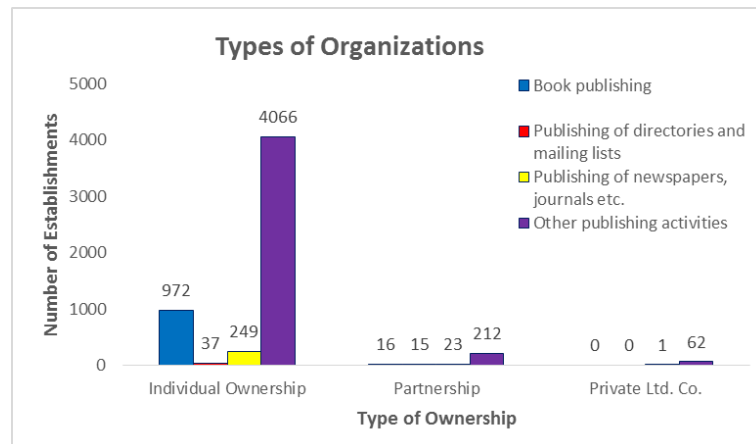


Figure 7.3: Type of Ownership Structure by PSIC

Table 7.3(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|-----|--------|-------|-------------|
| | 5655 | 531 | 4283 | 788 | 53 |
| Individual Ownership | 5325 | 409 | 4134 | 732 | 51 |
| Partnership | 267 | 119 | 109 | 36 | 2 |
| Private Ltd. Co. | 63 | 3 | 40 | 20 | - |

Table 7.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. |
|------|---|----------|----------------------|-------------|------------------|
| | | 5655 | 5325 | 267 | 63 |
| 5811 | Book publishing | 988 | 972 | 16 | 0 |
| 5812 | Publishing of directories and mailing lists | 52 | 37 | 15 | 0 |
| 5813 | Publishing of newspapers, journals, and periodicals | 273 | 249 | 23 | 1 |
| 5819 | Other publishing activities | 4341 | 4066 | 212 | 62 |

7.6 Employment by Type and Gender

Employment in the publishing industry by type and gender at national and provincial levels is presented in Table 7.4(a). According to the results, total number of persons engaged in the publishing industry during the reference period is 19451 out of which 5989 (30.8%) were working proprietors followed by 1983 unpaid family workers (10.2%), 1662 technicians and associate professionals (8.5%) and 217 managers and professionals (1.1%). On the other hand, about 50% (9600) of employment is under the category of other employees.

Table 7.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|---|---------------|------------|---------------|
| Pakistan | 19,302 | 149 | 19,451 |
| Working Proprietor | 5,989 | 0 | 5,989 |
| Managers and Professionals | 217 | 0 | 217 |
| Unpaid Family Workers | 1,983 | 0 | 1,983 |
| Technicians and associate professionals | 1,513 | 149 | 1,662 |
| Other Employees | 9,600 | 0 | 9,600 |
| KP | 1,419 | 8 | 1,427 |
| Working Proprietor | 700 | 0 | 700 |
| Managers and Professionals | 8 | 0 | 8 |
| Unpaid Family Workers | 39 | 0 | 39 |
| Technicians and associate professionals | 86 | 8 | 94 |
| Other Employees | 587 | 0 | 587 |
| Punjab | 14,287 | 89 | 14,376 |
| Working Proprietor | 4,448 | 0 | 4,448 |

| | | | |
|---|--------------|-----------|--------------|
| Managers and Professionals | 155 | 0 | 155 |
| Unpaid Family Workers | 1,164 | 0 | 1,164 |
| Technicians and associate professionals | 1,051 | 89 | 1,140 |
| Other Employees | 7,471 | 0 | 7,471 |
| Sindh | 3,386 | 51 | 3,437 |
| Working Proprietor | 788 | 0 | 788 |
| Managers and Professionals | 51 | 0 | 51 |
| Unpaid Family Workers | 734 | 0 | 734 |
| Technicians and associate professionals | 326 | 51 | 377 |
| Other Employees | 1,487 | 0 | 1,487 |
| Balochistan | 209 | 1 | 210 |
| Working Proprietor | 54 | 0 | 54 |
| Managers and Professionals | 2 | 0 | 2 |
| Unpaid Family Workers | 47 | 0 | 47 |
| Technicians and associate professionals | 50 | 1 | 51 |
| Other Employees | 55 | 0 | 55 |

Most of the employees i.e. 19302 (99.2%) in the publishing industry are male employees as compared to 0.8% (149) of females. Further industry-wise detail of the number of persons engaged at the National and Provincial level by PSIC during 2016-17, is presented in Table 7.4(b). In KP, out of 1427 total employment, 49% are engaged as working proprietors, whereas, the share of male and female employees in working proprietors is 99.4% and 0.6% respectively.

Table 7.4 (b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managers and Professionals | | | Unpaid Family Workers | | | Technicians and associate professionals | | | Other Employees | | | Total | | |
|-------------|--|--------------------|--------|-------|----------------------------|--------|-------|-----------------------|--------|-------|---|--------|-------|-----------------|--------|-------|--------|--------|--------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 5,989 | 0 | 5,989 | 217 | 0 | 217 | 1,983 | 0 | 1,983 | 1,513 | 149 | 1,662 | 9,600 | 0 | 9,600 | 19,302 | 149 | 19,451 |
| 5811 | Book publishing | 1,075 | 0 | 1,075 | 45 | 0 | 45 | 444 | 0 | 444 | 297 | 44 | 341 | 2,566 | 0 | 2,566 | 4,427 | 44 | 4,471 |
| 5812 | Publishing of directories and mailing lists | 53 | 0 | 53 | 15 | 0 | 15 | 38 | 0 | 38 | 97 | 15 | 112 | 321 | 0 | 321 | 524 | 15 | 539 |
| 5813 | Publishing of newspapers, journals and periodicals | 298 | 0 | 298 | 15 | 0 | 15 | 42 | 0 | 42 | 106 | 15 | 121 | 331 | 0 | 331 | 792 | 15 | 807 |
| 5819 | Other publishing activities | 4,563 | 0 | 4,563 | 142 | 0 | 142 | 1,460 | 0 | 1,460 | 1,013 | 75 | 1,088 | 6,382 | 0 | 6,382 | 13,559 | 75 | 13,634 |
| KP | | 700 | 0 | 700 | 8 | 0 | 8 | 39 | 0 | 39 | 86 | 8 | 94 | 587 | 0 | 587 | 1,419 | 8 | 1,427 |
| 5811 | Book publishing | 48 | 0 | 48 | 6 | 0 | 6 | 19 | 0 | 19 | 48 | 5 | 53 | 143 | 0 | 143 | 264 | 5 | 269 |
| 5812 | Publishing of directories and mailing lists | 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 4 | 0 | 4 | 8 | 0 | 8 |
| 5813 | Publishing of newspapers, journals and periodicals | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 2 | 6 | 1 | 7 | 16 | 0 | 16 | 27 | 1 | 28 |
| 5819 | Other publishing activities | 649 | 0 | 649 | 1 | 0 | 1 | 16 | 0 | 16 | 31 | 2 | 33 | 424 | 0 | 424 | 1,120 | 2 | 1,122 |
| Punjab | | 4,448 | 0 | 4,448 | 155 | 0 | 155 | 1,164 | 0 | 1,164 | 1,051 | 89 | 1,140 | 7,471 | 0 | 7,471 | 14,287 | 89 | 14,376 |
| 5811 | Book publishing | 995 | 0 | 995 | 26 | 0 | 26 | 368 | 0 | 368 | 166 | 26 | 192 | 2199 | 0 | 2199 | 3754 | 26 | 3780 |
| 5812 | Publishing of directories and mailing lists | 10 | 0 | 10 | 10 | 0 | 10 | 25 | 0 | 25 | 64 | 10 | 74 | 163 | 0 | 163 | 272 | 10 | 282 |
| 5813 | Publishing of newspapers, journals and periodicals | 290 | 0 | 290 | 7 | 0 | 7 | 22 | 0 | 22 | 55 | 7 | 62 | 201 | 0 | 201 | 574 | 7 | 581 |
| 5819 | Other publishing activities | 3153 | 0 | 3153 | 112 | 0 | 112 | 749 | 0 | 749 | 765 | 46 | 811 | 4908 | 0 | 4908 | 9688 | 46 | 9734 |
| Sindh | | 788 | 0 | 788 | 51 | 0 | 51 | 734 | 0 | 734 | 326 | 51 | 377 | 1,487 | 0 | 1,487 | 3,386 | 51 | 3,437 |
| 5811 | Book publishing | 24 | 0 | 24 | 13 | 0 | 13 | 54 | 0 | 54 | 83 | 13 | 96 | 212 | 0 | 212 | 386 | 13 | 399 |
| 5812 | Publishing of directories and mailing lists | 41 | 0 | 41 | 5 | 0 | 5 | 12 | 0 | 12 | 32 | 5 | 37 | 154 | 0 | 154 | 245 | 5 | 250 |
| 5813 | Publishing of newspapers, journals and periodicals | 6 | 0 | 6 | 6 | 0 | 6 | 15 | 0 | 15 | 38 | 6 | 44 | 98 | 0 | 98 | 163 | 6 | 169 |
| 5819 | Other publishing activities | 717 | 0 | 717 | 27 | 0 | 27 | 653 | 0 | 653 | 173 | 27 | 200 | 1,023 | 0 | 1,023 | 2,592 | 27 | 2,619 |
| Balochistan | | 54 | 0 | 54 | 2 | 0 | 2 | 47 | 0 | 47 | 50 | 1 | 51 | 55 | 0 | 55 | 209 | 1 | 210 |
| 5811 | Book publishing | 8 | 0 | 8 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 12 | 0 | 12 | 23 | 0 | 23 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 1 | 0 | 1 | 1 | 0 | 1 | 2 | 0 | 2 | 6 | 1 | 7 | 16 | 0 | 16 | 27 | 1 | 28 |
| 5819 | Other publishing activities | 45 | 0 | 45 | 1 | 0 | 1 | 42 | 0 | 42 | 44 | 0 | 44 | 27 | 0 | 27 | 158 | 0 | 158 |

There are 587 other employees in KP followed by 94 technicians and professionals and 39 unpaid family workers. The number of working proprietors and other employees in Punjab stands at 4448 and 7471 respectively. Other employees are the leading category in both Sindh (1487). Further, males are dominant in employment in publishing activities in all the federating units. The detail of the number of persons engaged in publishing activities by PSIC and gender at national and provincial levels is given in Table 7.4(b). According to the data, other publishing activity has emerged as the leading industry with 13634 employees followed by book publishing with 4471 employees. The number of persons engaged in the remaining two industries i.e. publishing of directories and mailing lists and publishing of newspapers, journals and periodicals stand at 539 and 807. The distribution of employment by industries follows the same pattern in provinces as well.

7.7 Employment cost

Employment cost has been estimated at a detailed industry level separately including wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. Employment cost by industries at national and provincial levels is presented in Table 7.5. According to the results, expenditure on employment cost in Publishing is Rs.2.8 billion including Rs.2.5 billion wages & salaries in cash, Rs.43 million in other cash payments and Rs.231.4 million in payments in kind i.e. non-cash benefits.

In book publishing, expenditure on employment is Rs.716.9 million including Rs.660.4 million wages & salaries in cash, Rs.13.7 million in other cash payments and Rs.42.8 million in payments in kind. Employment cost in the publishing of directories and mailing lists stands at Rs.79.3 million out of which Rs.75.2 million were paid in wages & salaries in cash, Rs.3.8 million in other cash payments and Rs.0.3 million in non-cash benefits. Expenditure on employment cost in the publishing of newspapers, journals and periodicals stand at Rs.97.6 million out of which Rs.93.2 million were paid in wages & salaries in cash, Rs.3.8 million in other cash payments and Rs.0.7 million in non-cash benefits. For other publishing activities, the overall employment cost is Rs.1.9 billion including Rs.1.7 billion wages & salaries in cash, Rs.21.7 million in other cash payments and Rs.187.6 million in payments in kind.

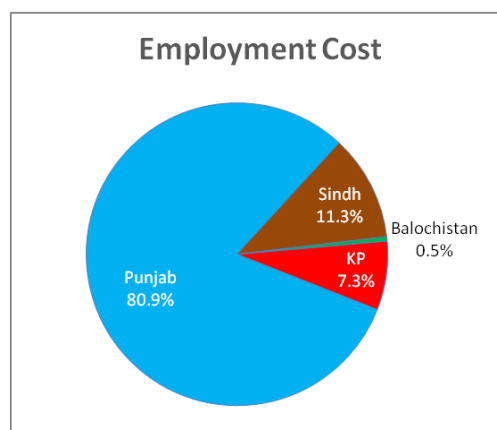


Figure 7.4: Employment Cost by Province

The distribution of employment cost among the provinces is also reported in Table 7.5 and demonstrated in Figure 7.4. The major share in employment cost from Punjab i.e. Rs.2.2 billion (80.9%) out of Rs.2.8 billion, including Rs.2.0 billion in the form of wages and salaries in cash, Rs.25.5 million in other cash payments and Rs.198.0 million as payment in kind. The share in employment cost of establishments belonging to Sindh province stands at 11.3% with Rs.312.8 million including Rs.396 million (94.7%) on wages and salaries in cash, Rs.12.9 on other cash payments and Rs.3.4 million on payment in kind. The share of establishments belonging to the

Balochistan province stands at 0.5% of the total employment cost in the publishing industry whereas that belonging to KP provinces is 7.3%. Wages and salaries in cash are the major component of employment cost in these provinces.

Table 7.5: Employment Cost by PSIC (Rs. in '000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|-------------|--|------------------|---------------------|-------------------------------------|-----------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 2,492,337 | 42,966 | 231,417 | 2,766,721 |
| 5811 | Book publishing | 660,385 | 13,662 | 42,829 | 716,876 |
| 5812 | Publishing of directories and mailing lists | 75,169 | 3,795 | 342 | 79,306 |
| 5813 | Publishing of newspapers, journals and periodicals | 93,168 | 3,795 | 688 | 97,650 |
| 5819 | Other publishing activities | 1,663,615 | 21,714 | 187,559 | 1,872,888 |
| KP | | 169,576 | 4,301 | 29,266 | 203,144 |
| 5811 | Book publishing | 50,947 | 3,795 | 1,484 | 56,226 |
| 5812 | Publishing of directories and mailing lists | 744 | 0 | 0 | 744 |
| 5813 | Publishing of newspapers, journals and periodicals | 4,817 | 253 | 23 | 5,092 |
| 5819 | Other publishing activities | 113,069 | 253 | 27,759 | 141,081 |
| Punjab | | 2,014,482 | 25,509 | 198,028 | 2,238,020 |
| 5811 | Book publishing | 545,672 | 6,578 | 40,574 | 592,825 |
| 5812 | Publishing of directories and mailing lists | 48,166 | 2,530 | 228 | 50,924 |
| 5813 | Publishing of newspapers, journals and periodicals | 54,635 | 1,771 | 506 | 56,911 |
| 5819 | Other publishing activities | 1,366,009 | 14,630 | 156,720 | 1,537,360 |
| Sindh | | 296,483 | 12,903 | 3,412 | 312,798 |
| 5811 | Book publishing | 62,616 | 3,289 | 296 | 66,201 |
| 5812 | Publishing of directories and mailing lists | 26,259 | 1,265 | 114 | 27,638 |
| 5813 | Publishing of newspapers, journals and periodicals | 28,900 | 1,518 | 137 | 30,554 |
| 5819 | Other publishing activities | 178,709 | 6,831 | 2,864 | 188,404 |
| Balochistan | | 11,796 | 253 | 711 | 12,759 |
| 5811 | Book publishing | 1,150 | 0 | 474 | 1,624 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 4,817 | 253 | 23 | 5,092 |
| 5819 | Other publishing activities | 5,829 | 0 | 214 | 6,043 |

7.8 Input Cost by Industry and Product

The detail of expenditures incurred by establishments engaged in publishing activities on inputs during 2016-17 by products is presented in Table 7.6(a). According to the data, the total expenditure incurred on the purchase of inputs amounts to Rs.4.4 billion. As per details of product-wise expenditure, electricity is the major input with highest share i.e. 19.5% of the total expense, which equals to Rs.851.5 million, followed by Rs.703.9 million (16.1%) on payment for current repair and maintenance, Rs.600.8 million on rent of building, Rs.566 million on material for repair & maintenance, and Rs.439.6 million on other expenditure. The expenditure on water charges is Rs.252.6 million whereas, the expenses on the stationery and office supplies, telephone/ fax/ internet, and entertainment charges are Rs.218.7 million, Rs.210.5 million, Rs.164.6 million respectively. Furthermore, the expenses incurred on the fuel and lubricants, travel expenses, transportation charges, expenditure on prepared food, postage and career are as low as 1.5%, 1.4%, 1.1%, 0.8%, and 0.6% respectively. The expenditure spent on interest payments, IT, advertising and promotion, payment for professional services, payment for security services, accounting, secretarial and audit fees, bank charges, gas charges, legal and professional expenses, and insurance premium collectively amounts to Rs.116.5 million i.e. three percent. Figure 7.5 shows the graphical distribution of intermediate consumption in the provinces.

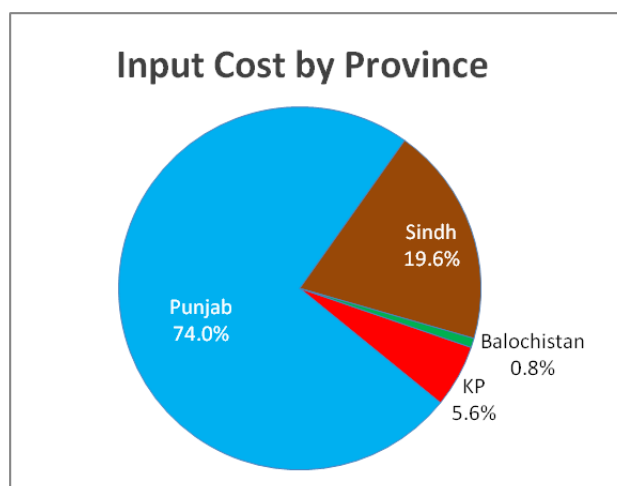


Figure 7.5: Intermediate Consumption by Province

The industry-wise detail of intermediate consumption at national and provincial levels is presented in Table 7.6(b). The data shows that expenditure incurred by establishments engaged in other publishing activities stands at Rs.2.6 billion (59.7%) followed by Rs.1.4 billion (33.0%) by those engaged in book publishing, Rs.139.6 million (3.2%) in publishing of directories and mailing lists and Rs.180.0 million (4.1%) in publishing of newspapers, journals, and periodicals.

Table 7.6(a): Input Cost by Product

| Items of Expenditures | Codes | (Rs. in '000') | % Share |
|---|-------|------------------|--------------|
| Accounting, secretarial and audit fees | 401 | 13,204 | 0.3 |
| Advertising and promotion | 402 | 16,099 | 0.4 |
| Bank charges | 403 | 10,452 | 0.2 |
| Electricity Charges | 404 | 851,495 | 19.5 |
| Entertainment Charges | 405 | 164,636 | 3.8 |
| Expenditure on stationery and office supplies | 406 | 218,671 | 5.0 |
| Expenditure on prepared food including grocery | 407 | 33,226 | 0.8 |
| Expenditure on sports goods (Balls, bats, rackets, uniforms etc.) | 408 | 0 | 0.0 |
| Expenditure on uniforms | 409 | 404 | 0.0 |
| Fuel and Lubricants | 410 | 67,562 | 1.5 |
| Gas Charges | 411 | 4,251 | 0.1 |
| Insurance Premium | 412 | 1,764 | 0.0 |
| Interest paid | 413 | 19,750 | 0.5 |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | 4,014 | 0.1 |
| Material for repair and maintenance | 415 | 566,087 | 13.0 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | 703,928 | 16.1 |
| Payment for data processing and other services related to information technology | 417 | 16,691 | 0.4 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 418 | 15,982 | 0.4 |
| Payment for security services | 419 | 14,245 | 0.3 |
| Postage/Courier | 420 | 25,515 | 0.6 |
| Rent of Building | 421 | 600,760 | 13.8 |
| Telephone/Fax/Telegraph/ Internet | 422 | 210,467 | 4.8 |
| Transportation Charges | 423 | 49,863 | 1.1 |
| Travel Expenses | 424 | 59,655 | 1.4 |
| Water Charges | 425 | 252,650 | 5.8 |
| Other Expenditure n.e.c. | | 439,571 | 10.1 |
| Total | | 4,360,944 | 100.0 |

Table 7.6(b): Input Cost by PSIC and Products (Rs. in '000')

| PSIC | | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 |
|-------------|--|--------|--------|--------|---------|---------|---------|--------|-----|-----|--------|-------|-------|--------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Pakistan | | 13,204 | 16,099 | 10,452 | 851,495 | 164,636 | 218,671 | 33,226 | 0 | 404 | 67,562 | 4,251 | 1,764 | 19,750 |
| 5811 | Book publishing | 3,846 | 3,370 | 1,710 | 197,264 | 36,289 | 36,454 | 16,156 | 0 | 0 | 14,837 | 1,246 | 669 | 6,750 |
| 5812 | Publishing of directories and mailing lists | 1,819 | 1,080 | 396 | 54,173 | 1,557 | 3,403 | 1,402 | 0 | 0 | 1,520 | 384 | 144 | 1,875 |
| 5813 | Publishing of newspapers, journals and periodicals | 1,243 | 1,080 | 396 | 67,340 | 3,583 | 5,056 | 3,739 | 0 | 0 | 4,256 | 384 | 144 | 1,875 |
| 5819 | Other publishing activities | 6,296 | 10,569 | 7,951 | 532,718 | 123,206 | 173,759 | 11,929 | 0 | 404 | 46,949 | 2,237 | 806 | 9,250 |
| KP | | 1,409 | 543 | 490 | 39,627 | 8,534 | 51,059 | 3,293 | 0 | 404 | 2,469 | 435 | 163 | 2,125 |
| 5811 | Book publishing | 614 | 360 | 332 | 19,953 | 1,402 | 5,419 | 1,897 | 0 | 0 | 1,281 | 248 | 48 | 1,875 |
| 5812 | Publishing of directories and mailing lists | 576 | 0 | 0 | 2,880 | 346 | 216 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 83 | 72 | 26 | 3,332 | 52 | 154 | 93 | 0 | 0 | 101 | 26 | 10 | 125 |
| 5819 | Other publishing activities | 136 | 111 | 131 | 13,461 | 6,735 | 45,269 | 1,302 | 0 | 404 | 1,087 | 162 | 106 | 125 |
| Punjab | | 7,487 | 8,703 | 8,589 | 586,475 | 111,598 | 70,095 | 23,443 | 0 | 0 | 42,177 | 2,485 | 855 | 11,125 |
| 5811 | Book publishing | 2,154 | 2,074 | 1,034 | 133,616 | 33,417 | 24,502 | 12,879 | 0 | 0 | 12,027 | 666 | 250 | 3,250 |
| 5812 | Publishing of directories and mailing lists | 828 | 720 | 264 | 33325 | 518 | 1544 | 935 | 0 | 0 | 1013 | 256 | 96 | 1250 |
| 5813 | Publishing of newspapers, journals and periodicals | 580 | 504 | 185 | 40680 | 3170 | 3821 | 2991 | 0 | 0 | 3446 | 179 | 67 | 875 |
| 5819 | Other publishing activities | 3922 | 5405 | 7107 | 378854 | 74494 | 40229 | 6639 | 0 | 0 | 25690 | 1384 | 441 | 5750 |
| Sindh | | 4,226 | 6,781 | 1,346 | 220,832 | 41,993 | 83,178 | 6,232 | 0 | 0 | 22,604 | 1,306 | 490 | 6,375 |
| 5811 | Book publishing | 1,077 | 936 | 343 | 43,455 | 1,073 | 2,939 | 1,215 | 0 | 0 | 1,317 | 333 | 125 | 1,625 |
| 5812 | Publishing of directories and mailing lists | 414 | 360 | 132 | 17,968 | 694 | 1,643 | 467 | 0 | 0 | 507 | 128 | 48 | 625 |
| 5813 | Publishing of newspapers, journals and periodicals | 497 | 432 | 158 | 19,995 | 311 | 926 | 561 | 0 | 0 | 608 | 154 | 58 | 750 |
| 5819 | Other publishing activities | 2,237 | 5,053 | 713 | 139,414 | 39,916 | 77,670 | 3,989 | 0 | 0 | 20,172 | 691 | 259 | 3,375 |
| Balochistan | | 83 | 72 | 26 | 4,560 | 2,512 | 14,338 | 257 | 0 | 0 | 313 | 26 | 256 | 125 |
| 5811 | Book publishing | 0 | 0 | 0 | 241 | 398 | 3,593 | 164 | 0 | 0 | 212 | 0 | 247 | 0 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 83 | 72 | 26 | 3,332 | 52 | 154 | 93 | 0 | 0 | 101 | 26 | 10 | 125 |
| 5819 | Other publishing activities | 0 | 0 | 0 | 987 | 2,062 | 10,591 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Please see Table 7.6(a) for the description of expenditure codes

Table 7.6(b): Input Cost by PSIC and Products (Rs. in '000')

| PSIC | | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | | Total |
|-------------|--|-------|---------|---------|--------|--------|--------|--------|---------|---------|--------|--------|---------|---------|-----------|
| 1 | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Pakistan | | 4,014 | 566,087 | 703,928 | 16,691 | 15,982 | 14,245 | 25,515 | 600,760 | 210,467 | 49,863 | 59,655 | 252,650 | 439,571 | 4,360,944 |
| 5811 | Book publishing | 1,181 | 54,542 | 616,110 | 1,718 | 3,341 | 3,699 | 8,978 | 193,474 | 101,814 | 18,114 | 7,540 | 1,716 | 107,420 | 1,438,239 |
| 5812 | Publishing of directories and mailing lists | 244 | 16,746 | 3,780 | 504 | 900 | 2,335 | 1,782 | 19,036 | 8,250 | 861 | 762 | 504 | 16,200 | 139,656 |
| 5813 | Publishing of newspapers, journals and periodicals | 244 | 23,173 | 5,678 | 504 | 900 | 1,118 | 1,638 | 17,218 | 16,979 | 861 | 6,053 | 374 | 16,200 | 180,038 |
| 5819 | Other publishing activities | 2,345 | 471,627 | 78,360 | 13,965 | 10,841 | 7,093 | 13,117 | 371,032 | 83,424 | 30,028 | 45,300 | 250,055 | 299,751 | 2,603,010 |
| KP | | 1,316 | 13,772 | 11,284 | 1,572 | 1,020 | 1,331 | 1,856 | 40,598 | 8,932 | 4,123 | 1,463 | 702 | 44,662 | 243,181 |
| 5811 | Book publishing | 546 | 8,673 | 3,564 | 168 | 900 | 773 | 1,410 | 11,850 | 4,142 | 581 | 474 | 221 | 6,191 | 72,921 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 | 346 | 144 | 1,728 | 288 | 0 | 0 | 130 | 0 | 6,653 |
| 5813 | Publishing of newspapers, journals and periodicals | 16 | 1,058 | 252 | 34 | 60 | 75 | 109 | 1,067 | 531 | 57 | 51 | 25 | 1,080 | 8,490 |
| 5819 | Other publishing activities | 753 | 4,041 | 7,468 | 1,371 | 60 | 138 | 193 | 25,953 | 3,971 | 3,484 | 938 | 327 | 37,391 | 155,117 |
| Punjab | | 1,852 | 444,956 | 672,350 | 13,372 | 5,340 | 6,635 | 17,837 | 451,685 | 165,062 | 39,801 | 54,001 | 228,814 | 251,130 | 3,225,867 |
| 5811 | Book publishing | 422 | 31237 | 609270 | 1114 | 1560 | 1938 | 6131 | 166311 | 90516 | 16382 | 6405 | 1170 | 87189 | 1245519 |
| 5812 | Publishing of directories and mailing lists | 163 | 10583 | 2520 | 336 | 600 | 745 | 1092 | 10668 | 5308 | 574 | 508 | 250 | 10800 | 84896 |
| 5813 | Publishing of newspapers, journals and periodicals | 114 | 14707 | 3662 | 235 | 420 | 522 | 764 | 8684 | 12733 | 402 | 5647 | 175 | 7560 | 112121 |
| 5819 | Other publishing activities | 1153 | 388429 | 56898 | 11687 | 2760 | 3430 | 9850 | 266022 | 56505 | 22444 | 41441 | 227219 | 145581 | 1783331 |
| Sindh | | 830 | 105,427 | 20,028 | 1,714 | 9,330 | 6,139 | 5,569 | 101,377 | 34,371 | 5,805 | 4,141 | 23,109 | 142,464 | 855,666 |
| 5811 | Book publishing | 211 | 13,758 | 3,276 | 437 | 780 | 969 | 1,420 | 14,534 | 7,033 | 1,146 | 660 | 324 | 14,040 | 113,029 |
| 5812 | Publishing of directories and mailing lists | 81 | 6,162 | 1,260 | 168 | 300 | 1,244 | 546 | 6,640 | 2,654 | 287 | 254 | 125 | 5,400 | 48,108 |
| 5813 | Publishing of newspapers, journals and periodicals | 98 | 6,350 | 1,512 | 202 | 360 | 447 | 655 | 6,401 | 3,185 | 344 | 305 | 150 | 6,480 | 50,938 |
| 5819 | Other publishing activities | 439 | 79,157 | 13,980 | 907 | 7,890 | 3,478 | 2,948 | 73,802 | 21,499 | 4,028 | 2,922 | 22,510 | 116,544 | 643,592 |
| Balochistan | | 16 | 1,932 | 265 | 34 | 292 | 141 | 252 | 7,101 | 2,103 | 133 | 51 | 25 | 1,315 | 36,229 |
| 5811 | Book publishing | 0 | 874 | 0 | 0 | 101 | 18 | 18 | 778 | 122 | 4 | 0 | 0 | 0 | 6,770 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 16 | 1,058 | 252 | 34 | 60 | 75 | 109 | 1,067 | 531 | 57 | 51 | 25 | 1,080 | 8,490 |
| 5819 | Other publishing activities | 0 | 0 | 13 | 0 | 131 | 48 | 125 | 5,256 | 1,450 | 72 | 0 | 0 | 235 | 20,970 |

Note: Please see Table 7.6(a) for the description of expenditure codes

7.9 Taxes and Depreciation

The detail of taxes paid and depreciation charged by establishments engaged in the publishing industry is presented in Table 7.7. The taxes have been divided into sub-categories, such as GST, Motor Vehicle Tax/ Land Tax, Excise/Import Duty, Provincial/ District Taxes and Other Taxes. The total taxes paid by the publishing establishments in Pakistan amounts to Rs.25.8 million with a major contribution of General Sale Tax, which is Rs.19.9 million i.e. 77%, followed by 9.9% motor vehicle/land tax (Rs.2.6 million) and Rs.1.7 million from provincial/ district taxes as well as for other types of taxes.

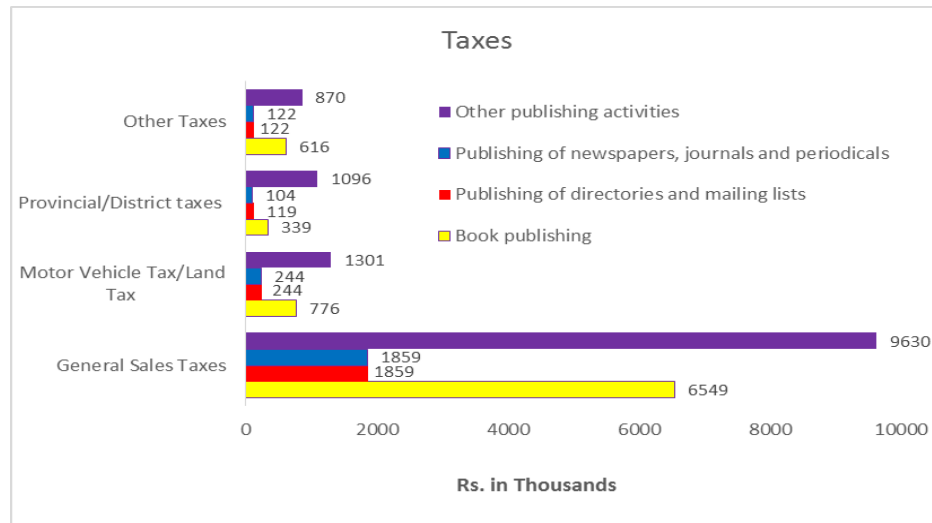


Figure 7.6: Taxes by Industry

The province-wise distribution of taxes is also reported in the table. The share of establishments belonging to Punjab province in total taxes is around 58.3% i.e. Rs.15.1 million, followed by those in Sindh, and KP with shares of 30.9% (Rs.8 million) and 10.0% (Rs.2.6 million) respectively. The share of establishments belonging to Balochistan province in taxes is Rs.0.2 million i.e. less than 1%.

The distribution of taxes by industries is also reported in Table 7.7, illustrated in Figure 7.6 below. As is evident from the data reported in the table and the figure, other publishing activities and book publishing are the major contributors in all the tax categories. The contribution of the remaining two industries i.e. publishing of directories and mailing lists and publishing of newspapers, journals and periodicals are nominal.

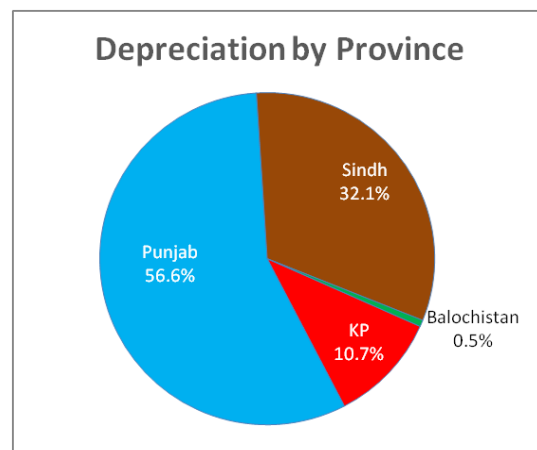


Figure 7.7: Province-wise Depreciation

The detail of depreciation charged during the financial year 2016-17 is presented in Table 7.7 and the percentage share by the province in Figure 7.7. According to the data, total depreciation charged during the reference period stands at Rs.47.9 million. Like taxes, major contributors in

the depreciation are the establishments engaged in other publishing activities (47.2%) and book publishing (33.9%), whereas, the contribution of remaining two industries i.e. publishing of directories and mailing lists and publishing of newspapers, journals and periodicals are 9.4% each. The province-wise shares in the depreciation are 56.6%, 32.1%, 20.8% and 10.7% for Punjab, Sindh, and KP respectively. The share of establishments belonging to Balochistan in total depreciation of the publishing industry stands at 0.6%.

Table 7.7: Taxes, and Depreciation by PSIC (Rs. in '000')

| PSIC | | General Sales Taxes | Motor Vehicle Tax/Land Tax | Excise/Import Duty | Provincial/District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|--|---------------------|----------------------------|--------------------|---------------------------|-------------|-------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 19,897 | 2,564 | 0 | 1,658 | 1,732 | 25,852 | 47,938 |
| 5811 | Book publishing | 6,549 | 776 | 0 | 339 | 616 | 8,280 | 16,267 |
| 5812 | Publishing of directories and mailing lists | 1,859 | 244 | 0 | 119 | 122 | 2,344 | 4,522 |
| 5813 | Publishing of newspapers, journals and periodicals | 1,859 | 244 | 0 | 104 | 122 | 2,329 | 4,522 |
| 5819 | Other publishing activities | 9,630 | 1,301 | 0 | 1,096 | 870 | 12,898 | 22,628 |
| KP | | 1,983 | 244 | 0 | 117 | 239 | 2,582 | 5,125 |
| 5811 | Book publishing | 1,715 | 141 | 0 | 53 | 42 | 1,951 | 4,509 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 15 | 0 | 15 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 124 | 16 | 0 | 7 | 8 | 155 | 301 |
| 5819 | Other publishing activities | 145 | 86 | 0 | 42 | 188 | 461 | 314 |
| Punjab | | 11,468 | 1,475 | 0 | 1,127 | 1,009 | 15,079 | 27,137 |
| 5811 | Book publishing | 3,222 | 422 | 0 | 197 | 409 | 4,252 | 7,838 |
| 5812 | Publishing of directories and mailing lists | 1,240 | 163 | 0 | 69 | 82 | 1,553 | 3,015 |
| 5813 | Publishing of newspapers, journals and periodicals | 868 | 114 | 0 | 49 | 57 | 1,087 | 2,110 |
| 5819 | Other publishing activities | 6,138 | 775 | 0 | 812 | 462 | 8,188 | 14,174 |
| Sindh | | 6,322 | 829 | 0 | 408 | 416 | 7,976 | 15,375 |
| 5811 | Book publishing | 1,611 | 211 | 0 | 90 | 106 | 2,019 | 3,919 |
| 5812 | Publishing of directories and mailing lists | 620 | 81 | 0 | 35 | 41 | 776 | 1,507 |
| 5813 | Publishing of newspapers, journals and periodicals | 744 | 98 | 0 | 41 | 49 | 932 | 1,809 |
| 5819 | Other publishing activities | 3,347 | 439 | 0 | 242 | 220 | 4,249 | 8,140 |
| Balochistan | | 124 | 16 | 0 | 7 | 67 | 214 | 301 |
| 5811 | Book publishing | 0 | 0 | 0 | 0 | 59 | 59 | 0 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 124 | 16 | 0 | 7 | 8 | 155 | 301 |
| 5819 | Other publishing activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

7.10 Output by Industry and Product

The output of publishing activities by products has been reported in Table 7.8(a). The total output of the publishing industry during 2016-17 amounts to Rs.14.9 billion. From the product point of view, the major contribution comes from the publishing of educational text/reference books, directories, in print i.e. Rs.7.3 billion and revenue from other activities (Rs.2.7 billion) with percentage contributions in total output at 49.2% and 18.0% respectively. The revenue from

other products include publishing of printed maps; music, printed or in manuscript; postcards, greeting cards, pictures, and plans (Rs.2.2 billion), publishing of newspapers and periodicals, daily, in print (Rs.948.8 million), stamps, cheque forms, stock certificates, brochures and leaflets, advertising material and other printed matter (Rs.798.8 million), publishing, printing and reproduction services (Rs.645.8 billion), publishing of newspapers and periodicals, other than daily, in print (Rs.245.6 million), audio, video and other disks, tapes and other physical media, recorded (Rs.37.1 million) and revenue from on-line content (textbooks, games, software's) (Rs.1.9 million) with percentage shares of 14.9%, 6.4%, 5.4%, 4.3%, 1.7%, 0.2%, and less than 0.1% respectively.

The distribution of output by industries at the national and provincial levels is reported in Table 7.8(b). The major contribution in the output comes from other publishing activities i.e. Rs.9.0 billion (60.1%) followed by book publishing industry Rs.4.5 billion (30.1%), publishing of directories and mailing lists Rs.681.8 million (4.6%) and publishing of newspapers, journals and periodicals Rs.773.8 million (5.2%).

The province-wise share in the output stands at Rs.10.5 billion (70.5%) for establishments belonged to Punjab province, followed by Rs.3.3 billion (22.3%) in Sindh, Rs.1.0 billion (6.7%) in KP and Rs.0.1 billion (0.7%) in Balochistan. Further, other publishing activities and book publishing industries are also the leading contributors in the provincial output as well with nominal contributions from the publishing of directories and mailing lists and publishing of newspapers, journals, and periodicals.

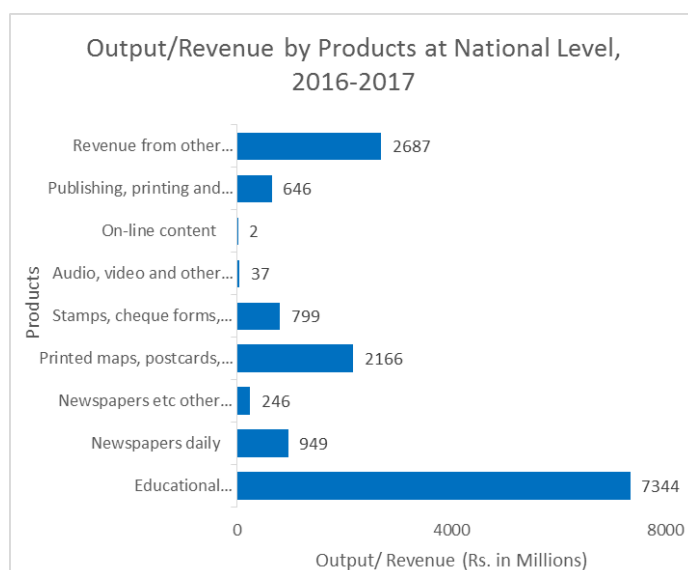


Figure 7.8: Product-wise Output

Table 7.8(a): Output by Product (Rs. in '000')

| Products | Codes | Pakistan | % share |
|---|-------|------------|---------|
| Publishing of educational text/reference books, directories, in print | 601 | 7,344,252 | 49.2 |
| Publishing of newspapers and periodicals, daily, in print | 602 | 948,761 | 6.36 |
| Publishing of newspapers and periodicals, other than daily, in print | 603 | 245,552 | 1.65 |
| Publishing of Printed maps; music, printed or in manuscript; postcards, greeting cards, pictures, and plans | 604 | 2,216,175 | 14.85 |
| Stamps, cheque forms, stock certificates, brochures and leaflets, advertising material and other printed matter | 605 | 796,434 | 5.34 |
| Audio, video and other disks, tapes and other physical media recorded | 606 | 37,133 | 0.25 |
| Revenue from on-line content (textbooks, games, software's) | 607 | 1,869 | 0.01 |
| Revenue Publishing, printing and reproduction services | 608 | 645,854 | 4.33 |
| Revenue from other activities | 609 | 2,687,428 | 18.01 |
| Total | 600 | 14,923,458 | 100 |

Table 7.8(b): Output by PSIC and Product (Rs. in '000')

| PSIC | | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 600 |
|-------------|--|-----------|---------|---------|-----------|---------|--------|-------|---------|-----------|------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Pakistan | | 7,344,252 | 948,761 | 245,552 | 2,166,445 | 798,832 | 37,133 | 1,869 | 645,854 | 2,687,428 | 14,876,126 |
| 5811 | Book publishing | 3,498,614 | 264,761 | 89,112 | 69,156 | 185,722 | 0 | 0 | 30,271 | 355,164 | 4,492,800 |
| 5812 | Publishing of directories and mailing lists | 528,532 | 90,000 | 0 | 32,400 | 20,232 | 0 | 0 | 0 | 10,620 | 681,784 |
| 5813 | Publishing of newspapers, journals and periodicals | 506,768 | 150,000 | 8,063 | 19,440 | 20,232 | 0 | 0 | 23,369 | 45,966 | 773,838 |
| 5819 | Other publishing activities | 2,810,338 | 444,000 | 148,377 | 2,045,449 | 572,646 | 37,133 | 1,869 | 592,215 | 2,275,678 | 8,927,704 |
| KP | | 484,631 | 42,000 | 0 | 326,801 | 49,502 | 24,758 | 1,869 | 43,038 | 30,586 | 1,003,186 |
| 5811 | Book publishing | 328,100 | 30,000 | 0 | 10,260 | 34,601 | 0 | 0 | 9,050 | 3,540 | 415,550 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 12,960 | 0 | 0 | 0 | 0 | 0 | 12,960 |
| 5813 | Publishing of newspapers, journals and periodicals | 33,785 | 6,000 | 0 | 1,296 | 1,349 | 0 | 0 | 0 | 708 | 43,137 |
| 5819 | Other publishing activities | 122,747 | 6,000 | 0 | 302,285 | 13,553 | 24,758 | 1,869 | 33,988 | 26,338 | 531,538 |
| Punjab | | 5,062,583 | 594,000 | 113,680 | 961,276 | 562,602 | 12,376 | 0 | 572,944 | 2,605,561 | 10,485,020 |
| 5811 | Book publishing | 2,715,127 | 156,000 | 89,112 | 33,696 | 133,587 | 0 | 0 | 21,221 | 342,421 | 3,491,164 |
| 5812 | Publishing of directories and mailing lists | 337,845 | 60,000 | 0 | 12,960 | 13,488 | 0 | 0 | 0 | 7,080 | 431,373 |
| 5813 | Publishing of newspapers, journals and periodicals | 236,492 | 102,000 | 8,063 | 9,072 | 9,442 | 0 | 0 | 23,369 | 40,302 | 428,740 |
| 5819 | Other publishing activities | 1,773,119 | 276,000 | 16,505 | 905,548 | 406,085 | 12,376 | 0 | 528,354 | 2,215,758 | 6,133,743 |
| Sindh | | 1,747,065 | 306,000 | 131,872 | 852,432 | 178,785 | 0 | 0 | 29,872 | 50,573 | 3,296,600 |
| 5811 | Book publishing | 439,199 | 78,000 | 0 | 23,508 | 17,534 | 0 | 0 | 0 | 9,204 | 567,446 |
| 5812 | Publishing of directories and mailing lists | 190,686 | 30,000 | 0 | 6,480 | 6,744 | 0 | 0 | 0 | 3,540 | 237,450 |
| 5813 | Publishing of newspapers, journals and periodicals | 202,707 | 36,000 | 0 | 7,776 | 8,093 | 0 | 0 | 0 | 4,248 | 258,824 |
| 5819 | Other publishing activities | 914,472 | 162,000 | 131,872 | 814,668 | 146,414 | 0 | 0 | 29,872 | 33,581 | 2,232,880 |
| Balochistan | | 49,973 | 6,761 | 0 | 25,936 | 7,943 | 0 | 0 | 0 | 708 | 91,321 |
| 5811 | Book publishing | 16,189 | 761 | 0 | 1,691 | 0 | 0 | 0 | 0 | 0 | 18,641 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 33,785 | 6,000 | 0 | 1,296 | 1,349 | 0 | 0 | 0 | 708 | 43,137 |
| 5819 | Other publishing activities | 0 | 0 | 0 | 22,949 | 6,594 | 0 | 0 | 0 | 0 | 29,542 |

Note: See table 7.8(a) for the description of product codes

7.11 Gross Fixed Capital Formation

GFCF is the net capital accumulation of the fixed asset during an accounting period. The expenditure made on GFCF by establishments engaged in the publishing industry is reported in Table 7.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.1.8 billion. From an industry point of view, the major contributions are from other publishing activities (Rs.914.9 million) and book publishing (Rs.588.5 million) that constitute 49.8% and 32% of the total GFCF. The remaining amount is from the publishing of directories and mailing lists and publishing of newspapers, journals and periodicals sharing 9.1% of GFCF by each.

As far as product-wise expenditure on GFCF is concerned, the contribution of other buildings and Structures stands at Rs.915.3 million followed by machinery & equipment (Rs.914.4 million) whereas the GFCF in Intellectual Property Product is Rs.7.5 million. The GFCF at the provincial level is also reported in Table 7.9. The GFCF expenditure incurred by establishments based in Punjab province stands at Rs.1.0 billion (56.8%) followed by Rs.572.6 million (31.2%) in Sindh, Rs.208.5 million (11.4%) in KP, and Rs.13.2 million (0.7%) in Balochistan.

The graphical presentation of the GFCF in the publishing industry including its components on the provincial level is made in Figure 7.9. The leading share of Punjab province and other published activities is clearly visible.

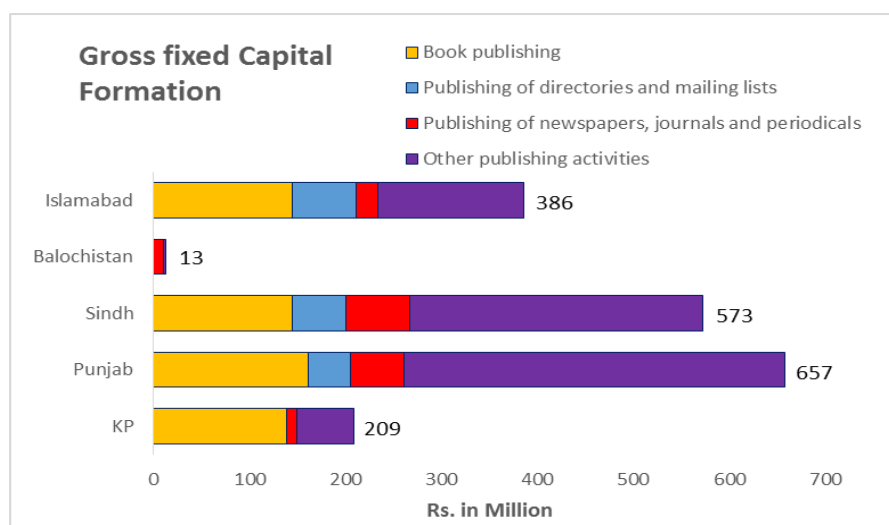


Figure 7.9: GFCF by Province and Industry

Table 7.9: GFCF by Type of Assets and PSIC (Rs. in ‘000’)

| PSIC | | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|--|------------------------------|-------------------------|--------------------------------|-----------|
| 1 | | 3 | 4 | 5 | 6 |
| Pakistan | | 915,323 | 914,365 | 7,532 | 1,837,221 |
| 5811 | Book publishing | 305,876 | 280,733 | 1,936 | 588,545 |
| 5812 | Publishing of directories and mailing lists | 87,231 | 79,040 | 660 | 166,931 |
| 5813 | Publishing of newspapers, journals and periodicals | 87,231 | 78,914 | 660 | 166,804 |
| 5819 | Other publishing activities | 434,986 | 475,678 | 4,276 | 914,941 |
| KP | | 94,195 | 114,000 | 352 | 208,547 |
| 5811 | Book publishing | 79,077 | 59,465 | 220 | 138,762 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 5,815 | 5,250 | 44 | 11,109 |
| 5819 | Other publishing activities | 9,302 | 49,285 | 88 | 58,676 |
| Punjab | | 518,730 | 519,202 | 4,892 | 1,042,824 |
| 5811 | Book publishing | 151,200 | 153,017 | 1,144 | 305,361 |
| 5812 | Publishing of directories and mailing lists | 58,153 | 52,500 | 440 | 111,093 |
| 5813 | Publishing of newspapers, journals and periodicals | 40,708 | 36,914 | 308 | 77,929 |
| 5819 | Other publishing activities | 268,668 | 276,771 | 3,000 | 548,440 |
| Sindh | | 296,584 | 273,796 | 2,244 | 572,624 |
| 5811 | Book publishing | 75,600 | 68,250 | 572 | 144,422 |
| 5812 | Publishing of directories and mailing lists | 29,077 | 26,540 | 220 | 55,837 |
| 5813 | Publishing of newspapers, journals and periodicals | 34,892 | 31,500 | 264 | 66,656 |
| 5819 | Other publishing activities | 157,015 | 147,506 | 1,188 | 305,709 |
| Balochistan | | 5,815 | 7,366 | 44 | 13,225 |
| 5811 | Book publishing | 0 | 0 | 0 | 0 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 5,815 | 5,250 | 44 | 11,109 |
| 5819 | Other publishing activities | 0 | 2,116 | 0 | 2,116 |

7.12 Summary Findings: Publishing activities

Summary findings of the study on publishing activities 2016-17 is presented in Table 7.10. The total output at producer's prices in the publishing industry has been estimated at Rs.14.923 billion which becomes Rs.14.921 billion at basic prices after the deduction of net taxes on products amounting to Rs.1.7 million. The total intermediate consumption at purchaser's prices is valued at Rs.4.36 billion. Resultantly, overall Gross Value Added (GVA) at basic prices has been computed as Rs.10.56 billion. The major contribution in the overall GVA of the publishing industry comes from establishments engaged in other publishing activities which amount to Rs.6.4 billion i.e. 60.3% followed by those engaged in the book publishing industry with the contribution of Rs.3.1 billion i.e. 28.9%. The contribution of establishments engaged in publishing of newspapers, journals and periodicals stand at Rs.593.7 million i.e. 5.6% whereas of those engaged in publishing of directories and mailing lists amounts to Rs.542 million i.e. 5.1%. The industry-wise distribution of GVA is also presented in Figure 7.10 which also highlights other publishing activities and book publishing as the major contributors towards the overall GVA of the publishing industry.

The contribution of the provinces in the output, intermediate consumption and GVA is also presented in Table 7.10. The contribution of establishments based in Punjab province in the overall GVA of the publishing industry stands at Rs.7.26 billion i.e. 68.7%, followed by Rs.2.5 billion (23.4%) in Sindh, Rs.0.76 billion (7.2%) in KP and Rs.69 million (0.7%) in Balochistan. The GVA in the publishing industry by provinces is also presented in Figure 7.11, which highlights the Punjab and Sindh as the major contributors in the GVA.

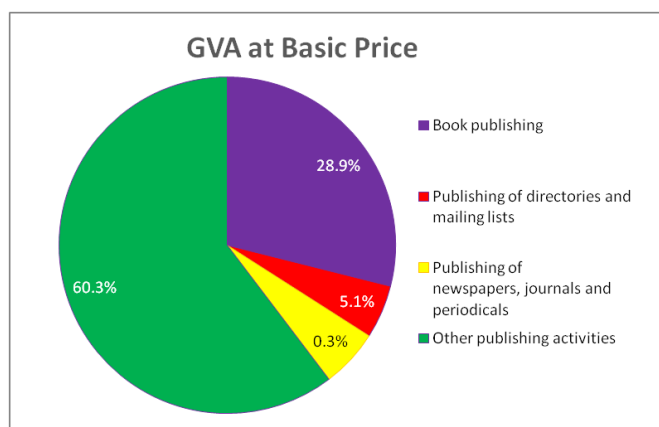


Figure 7.10: Industry wise GVA

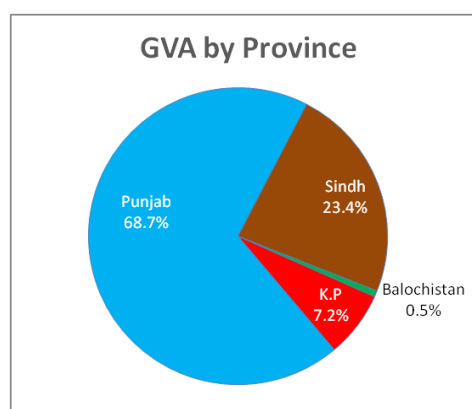


Figure 7.11: GVA by Province

Table 7.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|-------------|---|-----------------------------------|---|------------------------------|---|---------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 14,923,458 | 1,732 | 14,921,726 | 4,360,697 | 10,561,029 |
| 5811 | Book publishing | 4,492,800 | 616 | 4,492,184 | 1,437,992 | 3,054,192 |
| 5812 | Publishing of directories and mailing lists | 681,784 | 122 | 681,661 | 139,656 | 542,005 |
| 5813 | Publishing of newspapers, journals and periodicals | 773,838 | 122 | 773,716 | 180,038 | 593,678 |
| 5819 | Other publishing activities | 8,975,036 | 870 | 8,974,166 | 2,603,010 | 6,371,155 |
| K.P | | 1,003,186 | 239 | 1,002,947 | 243,181 | 759,766 |
| 5811 | Book publishing | 415,550 | 42 | 415,508 | 72,921 | 342,587 |
| 5812 | Publishing of directories and mailing lists | 12,960 | 0 | 12,960 | 6,653 | 6,307 |
| 5813 | Publishing of newspapers, journals and periodicals | 43,137 | 8 | 43,129 | 8,490 | 34,640 |
| 5819 | Other publishing activities | 531,538 | 188 | 531,350 | 155,117 | 376,233 |
| Punjab | | 10,485,020 | 1,009 | 10,484,010 | 3,225,867 | 7,258,143 |
| 5811 | Book publishing | 3,491,164 | 409 | 3,490,754 | 1,245,519 | 2,245,235 |
| 5812 | Publishing of directories and mailing lists | 431,373 | 82 | 431,292 | 84,896 | 346,395 |
| 5813 | Publishing of newspapers, journals and periodicals | 428,740 | 57 | 428,682 | 112,121 | 316,561 |
| 5819 | Other publishing activities | 6,133,743 | 462 | 6,133,282 | 1,783,331 | 4,349,951 |
| Sindh | | 3,330,040 | 416 | 3,329,623 | 855,666 | 2,473,957 |
| 5811 | Book publishing | 567,446 | 106 | 567,340 | 113,029 | 454,311 |
| 5812 | Publishing of directories and mailing lists | 237,450 | 41 | 237,409 | 48,108 | 189,302 |
| 5813 | Publishing of newspapers, journals and periodicals | 258,824 | 49 | 258,775 | 50,938 | 207,837 |
| 5819 | Other publishing activities | 2,266,320 | 220 | 2,266,100 | 643,592 | 1,622,507 |
| Balochistan | | 105,213 | 67 | 105,146 | 35,982 | 69,163 |
| 5811 | Book publishing | 18,641 | 59 | 18,583 | 6,523 | 12,060 |
| 5812 | Publishing of directories and mailing lists | 0 | 0 | 0 | 0 | 0 |
| 5813 | Publishing of newspapers, journals and periodicals | 43,137 | 8 | 43,129 | 8,490 | 34,640 |
| 5819 | Other publishing activities | 43,434 | 0 | 43,434 | 20,970 | 22,464 |

**Table 7.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Publishing Activities**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 0 | 0 | 5,655 | - | - |
| Output at basic Prices (Rs.Million) | 0 | 0 | 14,922 | - | - |
| Intermediate at purchaser's Prices (Rs.Million) | 0 | 0 | 4,361 | - | - |
| Gross Value Added at basic prices (Rs.Million) | 0 | 0 | 10,561 | - | - |
| GFCF (Rs.Million) | 0 | 0 | 1,837 | - | - |

Chapter 8 : Real Estate Industry

8.1 Introduction

In the national income accounting framework, real estate activities, which are covered in the Section L of the PSIC-2010 includes acting as lessors, agents and/or brokers in one or more of the following: selling or buying real estate, renting real estate, providing other real estate services such as appraising real estate or acting as real estate agents. Activities in this section may be carried out on own or leased property and may be done on a fee or contract basis. Maintaining ownership or leasing of such structures is also included in the building of structures.

In order to re-assess the contribution of real estate activities in the GDP of Pakistan under the umbrella of Rebasing of National Accounts of Pakistan from 2005-06 to 2015-16, PBS has broadly divided these activities into two major categories including i) “Ownership of Dwellings” i.e. the provision of housing services by the owner of a dwelling to its occupants irrespective of whether the owner is also occupier and ii) activities of real estate agents. The contribution of the former, which is a major part of the value added of the housing services, has been assessed separately using data from population and housing censuses 1998 and 2017 as well as Rent Survey 2014-15. This part of the report covers the establishments engaged in the real estate activities covered under the OPS Survey 2016-17 along with other miscellaneous services.

8.2 Coverage

8.2.1 Geographical Coverage

The coverage of establishments engaged in real estate activities at national and province levels is presented in Table 8.1(a) and illustrated in Figure 8.1. According to the results, there are 32824 establishments engaged in the real estate activities in all over Pakistan. The majority of the establishments i.e. 74.7% (24518) are based in Punjab province, followed by 14.6% (4795) in Sindh, 9.4% (3100) in KP and 1.3% (412) in Balochistan.

Table 8.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 32824 | 100 |
| KP | 3100 | 9.4% |
| Punjab | 24518 | 74.7% |
| Sindh | 4795 | 14.6% |
| Balochistan | 412 | 1.3% |

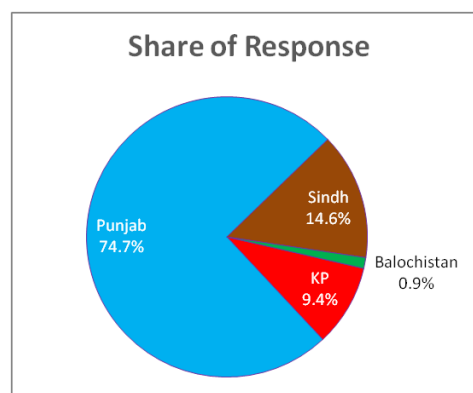


Figure 8.1: Coverage by province

8.2.2 Industry-wise Coverage

The industry-wise coverage of establishments engaged in real estate activities at national and provincial levels is presented in Table 8.1(b). Although the establishments were assigned the most detailed codes i.e. 5-digits of the PSIC, the results are reported at the 3-digit level for

convenience purposes. The data suggest that out of 32824 establishments at the national level, 19172 i.e. 58.4% of establishments are engaged in real estate activities on a fee or contract basis whereas remaining 13652 (41.6%) are engaged in real estate activities with own or leased property. The number of establishments engaged in real estate activities with own or leased property is higher in Balochistan provinces whereas in KP, Sindh, and Punjab the number of establishments engaged in real estate activities on a fee or contract basis is higher.

Table 8.1(b): Coverage by PSIC

| PSIC | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|--|----------|------|--------|-------|-------------|
| | | 32824 | 3100 | 24518 | 4795 | 413 |
| 681 | Real estate activities with own or leased property | 13652 | 1109 | 10752 | 1389 | 403 |
| 682 | Real estate activities on a fee or contract basis | 19172 | 1991 | 13766 | 3406 | 10 |

8.3 Registration Status

The detail of establishments engaged in real estate activities and registered with any government agency at national and provincial levels is presented in Table 8.2(a). According to the data, at the national level, 1127 (3.4%) establishments are registered with different government agencies out of 32824 establishments. The majority of those registered i.e. 986 are based in Punjab province, followed by 115 (10.1% of the registered establishments) in KP, 26 in Balochistan and none in Sindh. Most of the registered establishments i.e. 669 (59.4%) are engaged in real estate activities on a fee or contract basis whereas as remaining 457 (41.6%) are engaged in real estate activities with own or leased property.

Table 8.2(a): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|--|--------|-------------------------------------|-----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 32824 | 1127 | 115 | 986 | 0 | 26 | 3.4 |
| 681 | Real estate activities with own or leased property | 13,652 | 457 | 115 | 316 | 0 | 26 | 3.4 |
| 682 | Real estate activities on a fee or contract basis | 19,172 | 669 | 0 | 669 | 0 | 0 | 3.5 |

8.4 Maintenance of Accounts

The criterion of maintenance of accounts is used to classify whether an establishment is formal or informal other than the registration status. The detail of the number of establishments maintaining and engaged in real estate activities at national and provincial levels is presented in Table 8.2(b). According to results, out of a total of 32824 establishments at the national level, only 1815 i.e. 5.5% maintain their accounts. The majority of those maintaining accounts i.e. 1109 (61.1%) belong to Punjab province i.e. 4.5% of the total establishments in Punjab, followed by 535 (29.5%) in Sindh, 157 (8.6%) in KP and 15 in Balochistan. The proportion of accounts maintenance among establishments engaged in real estate activities with own or leased property stands at 6.0% as compared to 5.2% among those engaged in real estate activities on a fee or

contract basis. However, the absolute number of establishments who maintain their accounts is higher in later i.e. 993 as compared to the former i.e. 822.

Table 8.2(b): Number of Establishments Maintaining Accounts

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintains Accounts |
|------|--|--------|---|-----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 32824 | 1815 | 157 | 1109 | 535 | 15 | 5.5 |
| 681 | Real estate activities with own or leased property | 13,652 | 822 | 157 | 424 | 228 | 15 | 6 |
| 682 | Real estate activities on a fee or contract basis | 19,172 | 993 | 0 | 686 | 307 | 0 | 5.2 |

8.5 Type of Ownership in the Real Estate Industry

The number of establishments by type of organization at the national and provincial levels is reported in Table 8.3(a). According to the data, individual ownership is the most common form of ownership among establishments engaged in real estate activities with 27226 establishments i.e. 82.9% of the total. Among them, 20198 (74.2%) are based in Punjab province followed by 4395 (16.1%) in Sindh, 2385 (8.8%) in KP and 247 (0.9%) in Balochistan. The partnership is the second most common form of ownership with 5555 establishments (i.e. 16.9%) out of which 77.0%, 12.9%, 7.2%, and 3.0% belong to Punjab, KP, Sindh, and Balochistan respectively. There are 44 Private Limited Companies engaged in real estate activities, all of which are based in Punjab.

Table 8.3(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|------|--------|-------|-------------|
| | 32824 | 3100 | 24518 | 4795 | 412 |
| Individual Ownership | 27226 | 2385 | 20198 | 4395 | 247 |
| Partnership | 5555 | 715 | 4276 | 400 | 165 |
| Private Ltd. Co. | 44 | | 44 | | |

Detail of the ownership structure of establishments engaged in real estate activities by PSIC is presented in Table 8.3(b). Out of 27226 establishments having individual ownership, 15923 (58.5%) are engaged in real estate activities on a fee or contract basis whereas the remaining 11303 (41.5%) are engaged in real estate activities with own or leased property. Similarly, Out of 5555 establishments working under the partnership, 3250 (58.5%) are engaged in real estate activities on a fee or contract basis whereas remaining 2305 (41.5%) are engaged in real estate activities with own or leased property. All the 44 establishments with the status of private limited companies are engaged in real estate activities with own or leased property.

Table 8.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. |
|------|--|----------|----------------------|-------------|------------------|
| | | 32824 | 27226 | 5555 | 44 |
| 681 | Real estate activities with own or leased property | 13652 | 11303 | 2305 | 44 |
| 682 | Real estate activities on a fee or contract basis | 19172 | 15923 | 3250 | 0 |

8.6 Employment by Type and Gender

Employment by type and gender in the real estate industry at national and provincial levels is presented in Table 8.4(a). According to the data, total number of persons engaged in the real estate industry during the reference period is 71178 out of which 40248 (56.5%) were working proprietors followed by 15731 (22.1%) engaged as other employees, 7765 (10.9%) unpaid family workers, 3787 (5.4%) managers, and professionals and 3604 (5.1%) technicians and associate professionals (Figure 8.2).

From the gender point of view, the real estate industry is dominated by male employees with 71119 employees and just 59 females. All of the females are employed in an establishment working in Punjab province. The provincial distribution of employment shows that out of a total of 71178 employees, majority i.e. 52576 (73.9%) belong to Punjab province and followed by 12009 (16.9%) in Sindh, 5528 (7.8%) in KP and 1066 (1.5%) in Balochistan (Figure 8.3). Working proprietors and other employees are the two leading employment types in the provinces as well.

Table 8.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|---|---------------|---------------|---------------|
| Pakistan | 71,119 | 59 | 71,178 |
| Working Proprietor | 40,233 | 15 | 40,248 |
| Managers and Professionals | 3,787 | 44 | 3,830 |
| Unpaid Family Workers | 7,765 | 0 | 7,765 |
| Technicians and associate professionals | 3,604 | 0 | 3,604 |
| Other Employees | 15,731 | 0 | 15,731 |
| KP | 5,528 | 0 | 5,528 |
| Working Proprietor | 3,862 | 0 | 3,862 |
| Managers and Professionals | 140 | 0 | 140 |
| Unpaid Family Workers | 512 | 0 | 512 |
| Technicians and associate professionals | 0 | 0 | 0 |
| Other Employees | 1,014 | 0 | 1,014 |
| Punjab | 52,517 | 59 | 52,576 |
| Working Proprietor | 30,646 | 15 | 30,661 |
| Managers and Professionals | 3,229 | 44 | 3,273 |
| Unpaid Family Workers | 5,059 | 0 | 5,059 |
| Technicians and associate professionals | 3,570 | 0 | 3,570 |
| Other Employees | 10,014 | 0 | 10,014 |
| Sindh | 12,009 | 0 | 12,009 |
| Working Proprietor | 5,014 | 0 | 5,014 |
| Managers and Professionals | 369 | 0 | 369 |
| Unpaid Family Workers | 2,096 | 0 | 2,096 |
| Technicians and associate professionals | 21 | 0 | 21 |
| Other Employees | 4,509 | 0 | 4,509 |
| Balochistan | 1,066 | 0 | 1,066 |
| Working Proprietor | 711 | 0 | 711 |
| Managers and Professionals | 48 | 0 | 48 |
| Unpaid Family Workers | 99 | 0 | 99 |
| Technicians and associate professionals | 14 | 0 | 14 |
| Other Employees | 194 | 0 | 194 |

Table 8.4(b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managers and Professionals | | | Unpaid Family Workers | | | Technicians and associate professionals | | | Other Employees | | | Total | | |
|--------------------|--|--------------------|-----------|--------------|----------------------------|-----------|-------------|-----------------------|--------|-------------|---|--------|-------------|-----------------|--------|--------------|--------------|-----------|--------------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 40233 | 15 | 40248 | 3787 | 44 | 3830 | 7765 | - | 7765 | 3604 | - | 3604 | 15731 | - | 15731 | 71119 | 59 | 71178 |
| 681 | Real estate activities with own or leased property | 17836 | - | 17836 | 1970 | 44 | 2013 | 3255 | - | 3255 | 692 | - | 692 | 6412 | - | 6412 | 30165 | 44 | 30209 |
| 682 | Real estate activities on a fee or contract basis | 22397 | 15 | 22412 | 1817 | - | 1817 | 4510 | - | 4510 | 2912 | - | 2912 | 9319 | - | 9319 | 40954 | 15 | 40970 |
| KP | | 3862 | - | 3862 | 140 | - | 140 | 512 | - | 512 | - | - | - | 1014 | | 1014 | 5528 | - | 5528 |
| 681 | Real estate activities with own or leased property | 1508 | - | 1508 | 53 | - | 53 | 427 | - | 427 | - | - | - | 372 | - | 372 | 2360 | - | 2360 |
| 682 | Real estate activities on a fee or contract basis | 2354 | - | 2354 | 87 | - | 87 | 85 | - | 85 | - | - | - | 642 | - | 642 | 3168 | - | 3168 |
| Punjab | | 30646 | 15 | 30661 | 3229 | 44 | 3273 | 5059 | - | 5059 | 3570 | - | 3570 | 10014 | - | 10014 | 52517 | 59 | 52576 |
| 681 | Real estate activities with own or leased property | 14242 | - | 14242 | 1764 | 44 | 1807 | 2417 | - | 2417 | 680 | - | 680 | 4711 | - | 4711 | 23812 | 44 | 23856 |
| 682 | Real estate activities on a fee or contract basis | 16404 | 15 | 16420 | 1465 | - | 1465 | 2642 | - | 2642 | 2891 | - | 2891 | 5303 | - | 5303 | 28705 | 15 | 28720 |
| Sindh | | 5014 | - | 5014 | 369 | - | 369 | 2096 | - | 2096 | 21 | - | 21 | 4509 | - | 4509 | 12009 | - | 12009 |
| 681 | Real estate activities with own or leased property | 1385 | - | 1385 | 113 | - | 113 | 331 | - | 331 | - | - | - | 1144 | - | 1144 | 2973 | - | 2973 |
| 682 | Real estate activities on a fee or contract basis | 3629 | - | 3629 | 256 | - | 256 | 1765 | - | 1765 | 21 | - | 21 | 3365 | - | 3365 | 9036 | - | 9036 |
| Balochistan | | 711 | - | 711 | 48 | - | 48 | 99 | - | 99 | 14 | - | 14 | 194 | - | 194 | 1066 | - | 1066 |
| 681 | Real estate activities with own or leased property | 701 | - | 701 | 39 | - | 39 | 81 | - | 81 | 13 | - | 13 | 185 | - | 185 | 1020 | - | 1020 |
| 682 | Real estate activities on a fee or contract basis | 10 | - | 10 | 9 | - | 9 | 18 | - | 18 | 1 | - | 1 | 9 | - | 9 | 46 | - | 46 |

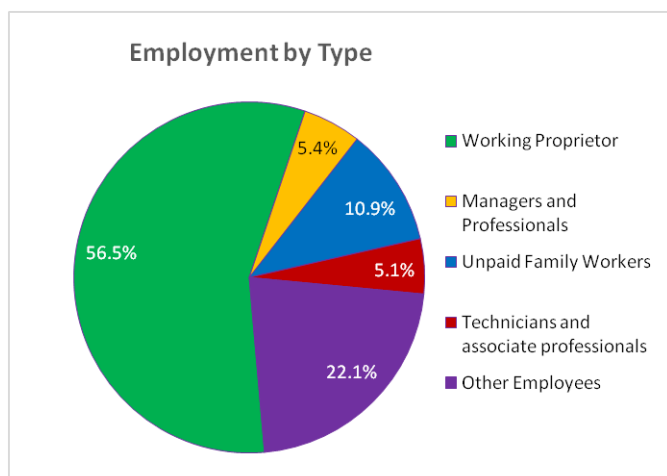


Figure 8.2: Employment Share by Type

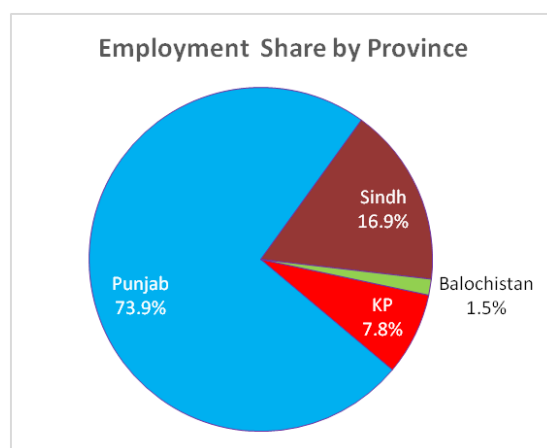


Figure 8.3: Employment by Province

Further detail of the number of persons engaged in the real estate industry at National and Provincial levels by PSIC during 2016-17 is also presented in Table 8.4(b). According to the data, out of total 71178 employees, 30209 (42.4%) are engaged in real estate activities with own or leased property and the remaining 40970 (57.6%) are engaged in real estate activities on a fee or contract basis.

8.7 Employment cost

Employment cost incurred by industries at the national and provincial level is presented in Table 8.5. Employment cost comprises wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. According to the results, the expenditure on employment cost in real estate activities is estimated at Rs.12.2 billion including Rs.11.6 billion (95.3%) on wages & salaries in cash, Rs.70.8 million (0.6%) on other cash payments and Rs.498.2 million (4.1%) on payments in kind i.e. non-cash benefits. The employment cost for establishments engaged in real estate activities with own or leased property is estimated at Rs.4.9 billion (39.9%) whereas those engaged in real estate activities on a fee or contract basis have been estimated at Rs.7.3 billion (60.1%).

The provincial expenditure on employment cost by establishments engaged in real estate activities is also reported in Table 8.5. According to the data, most of the employment cost i.e. Rs.10.8 billion (88.5%) has been incurred by establishments based in Punjab followed by Rs.0.9 billion (7.7%) in Sindh, Rs.0.4 billion (3.6%) in KP and Rs.17.7 million (0.1%) in Balochistan. Wages and salaries are the major component of employment cost in all the provinces. Provincial shares in employment cost are also presented in Figure 8.4.

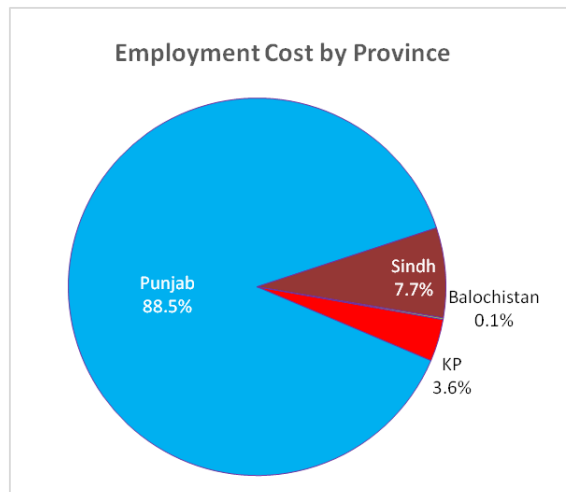


Figure 8.4: Employment by Province

Table 8.5: Employment Cost by PSIC (Rs. in '000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In-Kind (Non- Cash Benefits) | Total |
|--------------------|--|-------------------|---------------------|--------------------------------------|-------------------|
| Pakistan | | 11,621,840 | 70,778 | 498,210 | 12,190,828 |
| 681 | Real estate activities with own or leased property | 4,598,507 | 34,741 | 233,108 | 4,866,356 |
| 682 | Real estate activities on a fee or contract basis | 7,023,333 | 36,037 | 265,102 | 7,324,472 |
| KP | | 413,352 | 65 | 28,189 | 441,606 |
| 681 | Real estate activities with own or leased property | 167,966 | 24 | 16,098 | 184,088 |
| 682 | Real estate activities on a fee or contract basis | 245,386 | 41 | 12,091 | 257,518 |
| Punjab | | 10,312,134 | 35,643 | 446,219 | 10,793,997 |
| 681 | Real estate activities with own or leased property | 4,050,353 | 34,207 | 205,299 | 4,289,858 |
| 682 | Real estate activities on a fee or contract basis | 6,261,781 | 1,437 | 240,921 | 6,504,139 |
| Sindh | | 880,134 | 34,667 | 22,756 | 937,557 |
| 681 | Real estate activities with own or leased property | 365,790 | 247 | 10,666 | 376,703 |
| 682 | Real estate activities on a fee or contract basis | 514,344 | 34,420 | 12,090 | 560,855 |
| Balochistan | | 16,220 | 402 | 1,046 | 17,668 |
| 681 | Real estate activities with own or leased property | 14,398 | 263 | 1,046 | 15,707 |
| 682 | Real estate activities on a fee or contract basis | 1,821 | 139 | 0 | 1,960 |

8.8 Input Cost by Industry and Product

The detail of expenditures incurred by establishments engaged in real estate activities on intermediate consumption during 2016-17 by products is presented in Table 8.6(a). According to the data, total expenditure on intermediate consumption in real estate activities amounts to Rs.9.1 billion. As per details of product-wise expenditure, rent of building is the major input for real estate establishments with the expenditure of Rs.3.0 billion i.e. 33.1% of total inputs. Entertainment charges and electricity charges are the second and third major items of expenditure for establishments engaged in real estate activity with the expenditure of Rs.1.3 billion (14.5%) and Rs.1.1 billion (12.1%) respectively. Legal and professional expenses including stamp papers, telephone/fax/telegraph/ internet, travel expenses, fuel and lubricants, transportation charges, advertising and promotion and expenditure on prepared food including grocery are other items with significant contribution in the inputs with Rs.740.9 million (8.2%), Rs.713.7 million (7.9%), Rs.527.2 million (5.8%), Rs.314.1 million (3.5%), Rs.257.5 million (2.8%), Rs.241.9 million

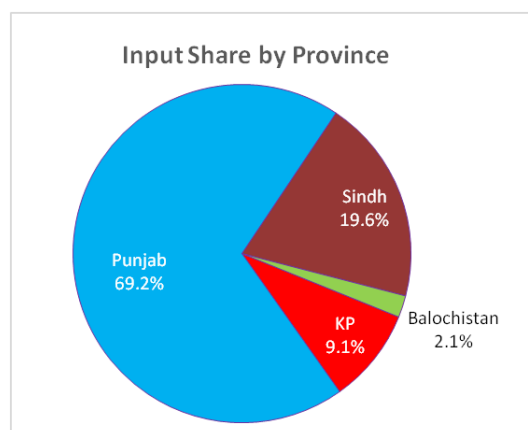


Figure 8.5: Intermediate Consumption by Province

(2.7%) and Rs.182.5 million (2.0%) respectively. The remaining items have less than one percent weight in the overall expenditure on inputs individually but collectively account for 4.7% i.e. Rs.426.1 million.

Table 8.6(a): Input Cost by Product

| Items of Expenditures | Codes | (Rs. in '000') | % Share |
|---|-------|----------------|---------|
| Accounting, secretarial and audit fees | 401 | 15222 | 0.2 |
| Advertising and promotion | 402 | 241939 | 2.7 |
| Bank charges | 403 | 39219 | 0.4 |
| Electricity Charges | 404 | 1101824 | 12.1 |
| Entertainment Charges | 405 | 1318873 | 14.5 |
| Expenditure on stationery and office supplies | 406 | 253618 | 2.8 |
| Expenditure on prepared food including grocery | 407 | 182467 | 2.0 |
| Expenditure on sports goods (Balls, bats, rackets, uniforms, etc.) | 408 | 16837 | 0.2 |
| Expenditure on uniforms | 409 | 5263 | 0.1 |
| Fuel and Lubricants | 410 | 314089 | 3.5 |
| Gas Charges | 411 | 17523 | 0.2 |
| Insurance Premium | 412 | 97 | 0.0 |
| Interest paid | 413 | 3043 | 0.0 |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | 740903 | 8.2 |
| Material for repair and maintenance | 415 | 63876 | 0.7 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | 49644 | 0.5 |
| Payment for data processing and other services related to information technology | 417 | 2436 | 0.0 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 418 | 47410 | 0.5 |
| Payment for security services | 419 | 5936 | 0.1 |
| Postage/Courier | 420 | 31665 | 0.3 |
| Rent of Building | 421 | 3006771 | 33.1 |
| Telephone/Fax/Telegraph/ Internet | 422 | 713705 | 7.9 |
| Transportation Charges | 423 | 257513 | 2.8 |
| Travel Expenses | 424 | 527218 | 5.8 |
| Water Charges | 425 | 66416 | 0.7 |
| Other Expenditure n.e.c. | | 61554 | 0.7 |
| Total | | 9,085,063 | 100.0 |

The detail of expenditure on intermediate consumption incurred by establishments at real estate activities by PSIC at national and provincial levels is presented in Table 8.6(b). According to the data, out of total expenditure of Rs.9.1 billion, Rs.5.2 billion i.e. 56.8% have been incurred by establishments engaged in real estate activities on a fee or contract basis whereas remaining expenditure of Rs.3.9 billion i.e. 43.2% have been incurred by establishments engaged in real estate activities with own or leased property.

The province-wise details of expenditure on inputs are also reported in Table 8.6(b). The data indicate that expenditure on inputs for establishments based in Punjab province stands at Rs.6.3 billion (69.2%) followed by Rs.1.8 billion (19.6%) in Sindh, Rs.0.8 billion (9.1%) in KP and Rs.0.2 billion (2.1%) in Balochistan. The province-wise share in intermediate consumption is also presented in Figure 8.5.

Table 8.6(b): Input Cost by PSIC and Product (Rs. in ‘000’)

| PSIC | | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 |
|-------------|--|--------------|---------------|--------------|----------------|----------------|---------------|---------------|--------------|-------------|---------------|--------------|-----------|-------------|---------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Pakistan | | 15222 | 241939 | 39219 | 1101824 | 1318873 | 253618 | 182467 | 16837 | 5263 | 314089 | 17523 | 97 | 3043 | 740903 |
| 681 | Real estate activities with own or leased property | 3,053 | 68,406 | 27,214 | 464,476 | 548,327 | 44,799 | 81,762 | 0 | 462 | 162,482 | 9,446 | 97 | 1,757 | 379,889 |
| 682 | Real estate activities on a fee or contract basis | 12,169 | 173,532 | 12,004 | 637,348 | 770,546 | 208,819 | 100,705 | 16,837 | 4,802 | 151,607 | 8,078 | 0 | 1,286 | 361,014 |
| KP | | - | 6982 | 1727 | 62830 | 143231 | 29363 | 30438 | - | - | 45768 | 6964 | - | - | 56935 |
| 681 | Real estate activities with own or leased property | 0 | 109 | 0 | 32,491 | 67,717 | 11,724 | 25,040 | 0 | 0 | 21,422 | 2,298 | 0 | 0 | 30,110 |
| 682 | Real estate activities on a fee or contract basis | 0 | 6,873 | 1,727 | 30,339 | 75,514 | 17,639 | 5,398 | 0 | 0 | 24,346 | 4,666 | 0 | 0 | 26,825 |
| Punjab | | 15222 | 204811 | 23608 | 746017 | 972071 | 134176 | 138670 | 16837 | 462 | 184843 | 1983 | 38 | 575 | 371736 |
| 681 | Real estate activities with own or leased property | 3,053 | 58,742 | 15,892 | 303,482 | 389,090 | 24,005 | 51,168 | 0 | 462 | 112,544 | 1,758 | 38 | 575 | 215,582 |
| 682 | Real estate activities on a fee or contract basis | 12,169 | 146,069 | 7,716 | 442,535 | 582,981 | 110,171 | 87,503 | 16,837 | 0 | 72,299 | 225 | 0 | 0 | 156,154 |
| Sindh | | - | 28235 | 13848 | 245080 | 162963 | 90056 | 10030 | - | 4802 | 77975 | 3187 | - | 1286 | 281406 |
| 681 | Real estate activities with own or leased property | 0 | 7,645 | 11,287 | 81,277 | 51,076 | 9,070 | 2,225 | 0 | 0 | 23,013 | 0 | 0 | 0 | 103,372 |
| 682 | Real estate activities on a fee or contract basis | 0 | 20,590 | 2,561 | 163,803 | 111,888 | 80,986 | 7,804 | 0 | 4,802 | 54,962 | 3,187 | 0 | 1,286 | 178,034 |
| Balochistan | | - | 1910 | 35 | 47897 | 40607 | 23 | 3329 | - | - | 5503 | 5390 | 60 | 1183 | 30826 |
| 681 | Real estate activities with own or leased property | 0 | 1,910 | 35 | 47,226 | 40,444 | 0 | 3,329 | 0 | 0 | 5,503 | 5,390 | 60 | 1,183 | 30,826 |
| 682 | Real estate activities on a fee or contract basis | 0 | 0 | 0 | 671 | 163 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Note: Please see Table 8.6(a) for the description of expenditure codes

Table 8.6(b): Input Cost by PSIC and Product (Rs. in ‘000’)

| PSIC | | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | | |
|-------------|--|--------------|--------------|-------------|--------------|-------------|--------------|----------------|---------------|---------------|---------------|--------------|--------------|----------------|
| 1 | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Pakistan | | 63876 | 49644 | 2436 | 47410 | 5936 | 31665 | 3006771 | 713705 | 257513 | 527218 | 66416 | 61554 | 9085063 |
| 681 | Real estate activities with own or leased property | 15,558 | 24,263 | 1,801 | 33,618 | 3,346 | 9,797 | 1,328,779 | 311,305 | 152,043 | 184,183 | 31,296 | 34,920 | 3,923,080 |
| 682 | Real estate activities on a fee or contract basis | 48,318 | 25,381 | 636 | 13,791 | 2,590 | 21,868 | 1,677,992 | 402,400 | 105,470 | 343,036 | 35,120 | 26,634 | 5,161,983 |
| KP | | 35860 | 22504 | 636 | 6310 | 1824 | 1394 | 159744 | 88974 | 47567 | 58442 | 7988 | 9742 | 825223 |
| 681 | Real estate activities with own or leased property | 2,384 | 10,221 | 0 | 2,919 | 764 | 1,394 | 74,737 | 47,782 | 16,002 | 33,022 | 1,115 | 1,275 | 382,524 |
| 682 | Real estate activities on a fee or contract basis | 33,477 | 12,284 | 636 | 3,391 | 1,060 | 0 | 85,008 | 41,192 | 31,565 | 25,420 | 6,873 | 8,468 | 442,700 |
| Punjab | | 9553 | 25853 | 0 | 18394 | 2609 | 17597 | 2333900 | 464293 | 144640 | 426118 | 19712 | 13099 | 6286818 |
| 681 | Real estate activities with own or leased property | 4,519 | 14,043 | 0 | 15,551 | 1,079 | 5,078 | 1,003,318 | 205,655 | 108,398 | 139,370 | 7,569 | 10,739 | 2,691,709 |
| 682 | Real estate activities on a fee or contract basis | 5,033 | 11,810 | 0 | 2,843 | 1,531 | 12,519 | 1,330,581 | 258,638 | 36,242 | 286,748 | 12,143 | 2,361 | 3,595,109 |
| Sindh | | 16627 | 1286 | 1801 | 22706 | 1176 | 12196 | 471519 | 157474 | 63807 | 42658 | 34809 | 38620 | 1783545 |
| 681 | Real estate activities with own or leased property | 6,819 | 0 | 1,801 | 15,148 | 1,176 | 2,846 | 209,609 | 55,015 | 26,359 | 11,791 | 18,705 | 22,814 | 661,046 |
| 682 | Real estate activities on a fee or contract basis | 9,809 | 1,286 | 0 | 7,558 | 0 | 9,350 | 261,910 | 102,459 | 37,448 | 30,867 | 16,104 | 15,806 | 1,122,499 |
| Balochistan | | 1836 | - | - | - | 328 | 479 | 41609 | 2965 | 1498 | - | 3907 | 93 | 189476 |
| 681 | Real estate activities with own or leased property | 1,836 | 0 | 0 | 0 | 328 | 479 | 41,116 | 2,853 | 1,284 | 0 | 3,907 | 93 | 187,801 |
| 682 | Real estate activities on a fee or contract basis | 0 | 0 | 0 | 0 | 0 | 0 | 493 | 112 | 214 | 0 | 0 | 0 | 1,676 |

Note: Please see Table 8.6(a) for the description of expenditure code

8.9 Taxes and Depreciation

The details of taxes paid and depreciation charged by the establishments engaged in real estate activities are presented in Table 8.7. The establishments have reported payments of taxes amounting to Rs.130.2 million including Rs.21.6 million as GST, Rs.3.1 million as Motor, Vehicle Tax/ Land Tax, Rs.5.2 million as Excise/Import Duty, Rs.86.1 million as Provincial/ District Taxes and Rs.14.2 million as other Taxes.

The expenditure made on tax payments by provinces is also reported in Table 8.7. Establishments engaged in real estate activities and based in Punjab have paid Rs.116 million (89.1%) as taxes followed by those based in the province of KP with Rs.6.8 million (5.2%), Sindh with Rs.6.2 million (4.7%) and Balochistan with Rs.1.2 million (0.9%).

Table 8.7: Taxes and Depreciation by PSIC (Rs. in ‘000’)

| PSIC | | General Sales Taxes | Motor Vehicle Tax/ Land Tax | Excise/ Import Duty | Provincial/ District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|--|---------------------|-----------------------------|---------------------|----------------------------|--------------|---------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 21629 | 3094 | 5226 | 86099 | 14177 | 130226 | 1968 |
| 681 | Real estate activities with own or leased property | 20,348 | 785 | 1,542 | 14,636 | 8,362 | 45,673 | 449 |
| 682 | Real estate activities on a fee or contract basis | 1,281 | 2,309 | 3,684 | 71,464 | 5,815 | 84,553 | 1,519 |
| KP | | - | 838 | - | 486 | 5510 | 6834 | - |
| 681 | Real estate activities with own or leased property | 0 | 785 | 0 | 115 | 2,763 | 3,663 | 0 |
| 682 | Real estate activities on a fee or contract basis | 0 | 53 | 0 | 372 | 2,747 | 3,171 | 0 |
| Punjab | | 18588 | 0 | 4221 | 85045 | 8145 | 115998 | 1968 |
| 681 | Real estate activities with own or leased property | 18,432 | 0 | 536 | 14,004 | 5,090 | 38,062 | 450 |
| 682 | Real estate activities on a fee or contract basis | 156 | 0 | 3,684 | 71,041 | 3,054 | 77,936 | 1,519 |
| Sindh | | 3041 | 2257 | - | 568 | 315 | 6180 | - |
| 681 | Real estate activities with own or leased property | 1,916 | 0 | 0 | 518 | 301 | 2,734 | 0 |
| 682 | Real estate activities on a fee or contract basis | 1,125 | 2,257 | 0 | 51 | 14 | 3,446 | 0 |
| Balochistan | | - | - | 1005 | - | 209 | 1214 | - |
| 681 | Real estate activities with own or leased property | 0 | 0 | 1,005 | 0 | 209 | 1,214 | 0 |
| 682 | Real estate activities on a fee or contract basis | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

With regard to industries, most of the taxes i.e. Rs.84.5 million (64.9%) have been paid by establishments engaged in real estate activities on a fee or contract basis whereas remaining Rs.45.7 million (35.1%) have been paid by those engaged in real estate activities with own or leased property.

Further, establishments engaged in real estate activities have allocated the sum of Rs.2.0 million on account of depreciation. Most of the allocation in respect of depreciation i.e. Rs.1.5 million (77.2%) has been made by establishment engaged in real estate activities on a fee or contract basis whereas remaining Rs.0.4 million (22.8%) have been made by those engaged in real estate activities with own or leased property.

The allocation of depreciation by provinces is also reported in Table 8.7. Establishments engaged in real estate activities are based in the province of Punjab have allocated all of the industry depreciation with Rs.2 million. No depreciation has been allocated by real estate establishments in KP, Sindh or Balochistan provinces during the reference period.

8.10 Output by Industry and Product

The output of real estate activities by products at the national level is reported in Table 8.8(a). According to the data, total output at producer's prices in real estate activities stand at Rs.45.6 billion. The major share in the output comes from revenue from other activities i.e. 15.1 billion (33.0%) followed by Rs.6.5 billion (14.3%) in real estate appraisal services on a fee or contract basis, Rs.5.9 billion (13.1%) in rental or leasing services involving own or leased property, Rs.4.7 billion (10.3%) in trade services of residential and non-residential buildings, Rs.4.4 billion (9.8%) in trade services of vacant and subdivided land (plots, etc.), property management services on a fee or contract basis (7.5%), building sales on a fee or contract basis (7.6%) and land sales on a fee or contract basis (4.5%).

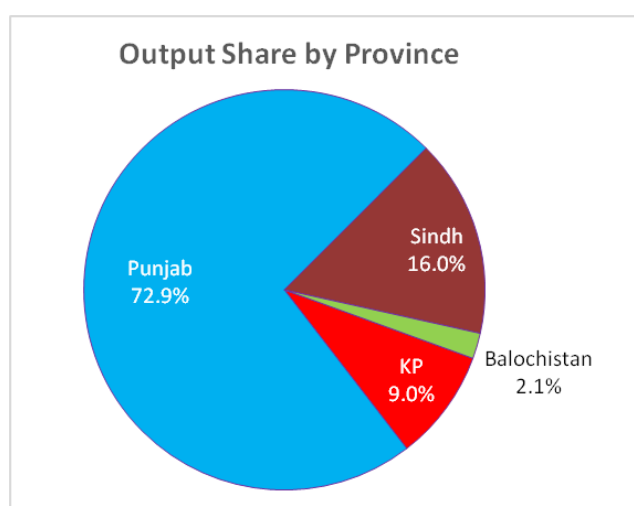


Figure 8.6: Province-wise Share in Output

The detail of output at producer's prices by industries and products at national and provincial levels is presented in Table 8.8(b). The province-wise shares in the output of real estate activities stand at Rs.33.2 billion (72.9%) for establishments operating in Punjab province followed by Rs.7.3 billion (16.0%) in Sindh, Rs.4.1 billion (9.0%) in KP and Rs.0.9 billion (2.1%) in Balochistan. The provincial shares in the output are also presented in Figure 8.6.

According to the data presented in Table 8.8(b), the share of real estate activities with own or leased property in the total output of real estate activities stands at Rs.22.6 billion i.e. 49.7% whereas of real estate activities on a fee or contract basis is Rs.22.9 billion i.e. 50.3%.

Table 8.8(a): Output by Product (Rs. in '000')

| Products | Output | % share |
|---|-------------------|--------------|
| Rental or leasing services involving own or leased property | 5,948,845 | 13.1 |
| Trade services of residential and non-residential buildings | 4,716,065 | 10.3 |
| Trade services of vacant and subdivided land (plots etc.) | 4,446,319 | 9.8 |
| Property management services on a fee or contract basis | 3,418,342 | 7.5 |
| Building sales on a fee or contract basis | 3,447,629 | 7.6 |
| Land sales on a fee or contract basis | 2,032,942 | 4.5 |
| Real estate appraisal services on a fee or contract basis | 6,510,013 | 14.3 |
| Revenue from other activities | 15,064,078 | 33.0 |
| Total | 45,584,234 | 100.0 |

Table 8.8(b): Output by PSIC and Product (Rs. in '000')

| PSIC | | Rental or leasing services involving own or leased property | Trade services of residential and non-residential buildings | Trade services of vacant and subdivided land (plots etc.) | Property management services on a fee or contract basis | Building sales on a fee or contract basis | Land sales on a fee or contract basis | Real estate appraisal services on a fee or contract basis | Revenue from other activities | Total |
|-------------|--|---|---|---|---|---|---------------------------------------|---|-------------------------------|-------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| % share | | 13.1 | 10.3 | 9.8 | 7.5 | 7.6 | 4.5 | 14.3 | 33 | 100 |
| Pakistan | | 5,948,845 | 4,716,065 | 4,446,319 | 3,418,342 | 3,447,629 | 2,032,942 | 6,510,013 | 15,064,078 | 45,584,234 |
| 681 | Real estate activities with own or leased property | 5,043,826 | 3,233,728 | 2,139,854 | 1,415,020 | 2,723,185 | 1,170,950 | 1,870,038 | 5,042,609 | 22,639,209 |
| 682 | Real estate activities on a fee or contract basis | 905,019 | 1,482,337 | 2,306,466 | 2,003,323 | 724,444 | 861,992 | 4,639,976 | 10,021,470 | 22,945,025 |
| KP | | 75,259 | 382,914 | 208,465 | 135,421 | 850,599 | 425,653 | 527,489 | 1,500,424 | 4,106,225 |
| 681 | Real estate activities with own or leased property | 21,693 | 342,206 | 48,148 | 3,876 | 574,372 | 311,673 | 74,644 | 567,981 | 1,944,593 |
| 682 | Real estate activities on a fee or contract basis | 53,566 | 40,708 | 160,317 | 131,545 | 276,228 | 113,980 | 452,845 | 932,442 | 2,161,631 |
| Punjab | | 4,688,568 | 3,615,097 | 3,867,919 | 1,253,017 | 2,331,827 | 1,165,728 | 4,156,419 | 12,161,877 | 33,240,454 |
| 681 | Real estate activities with own or leased property | 4,238,184 | 2,666,567 | 1,983,523 | 1,094,057 | 2,076,528 | 610,648 | 1,334,581 | 3,530,575 | 17,534,664 |
| 682 | Real estate activities on a fee or contract basis | 450,384 | 948,531 | 1,884,396 | 158,960 | 255,300 | 555,080 | 2,821,838 | 8,631,302 | 15,705,789 |
| Sindh | | 1,132,220 | 627,287 | 342,419 | 2,029,904 | 262,180 | 440,034 | 1,762,133 | 698,935 | 7,295,113 |
| 681 | Real estate activities with own or leased property | 731,151 | 137,403 | 80,666 | 317,087 | 69,263 | 247,102 | 396,841 | 241,858 | 2,221,371 |
| 682 | Real estate activities on a fee or contract basis | 401,069 | 489,884 | 261,753 | 1,712,817 | 192,917 | 192,933 | 1,365,293 | 457,078 | 5,073,743 |
| Balochistan | | 52,798 | 90,767 | 27,516 | 0 | 3,022 | 1,526 | 63,971 | 702,842 | 942,442 |
| 681 | Real estate activities with own or leased property | 52,798 | 87,553 | 27,516 | 0 | 3,022 | 1,526 | 63,971 | 702,194 | 938,580 |
| 682 | Real estate activities on a fee or contract basis | 0 | 3,214 | 0 | 0 | 0 | 0 | 0 | 648 | 3,862 |

8.11 Gross Fixed Capital Formation

GFCF is the net capital accumulation of the fixed asset during an accounting period. The expenditure made on GFCF by establishments engaged in real estate activities is reported in Table 8.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.1.26 billion. The major contribution is from establishments engaged in real estate activities on a fee or contract basis i.e. Rs.0.88 billion (69.9%). The GFCF expenditure of establishments engaged in real estate activities with own or leased property stands at Rs.0.38 billion i.e. 30.1%.

As far as product-wise expenditure on GFCF is concerned, the major chunk of GFCF (Rs.0.61 billion) has been reported under the head of other buildings and structure followed by Rs.0.65 billion under machinery and equipment (20%) and Rs.6.0 million under Intellectual Property Product. The GFCF at the provincial level is also given in Table 8.9. According to the reported data highest GFCF related expenditure i.e. Rs.626.8 million (49.9%) in Punjab followed by Rs.551.7 million (43.9%) has been reported from establishments based in Sindh province, Rs.72.9 million (5.8%) in KP and Rs.5.3 million (0.4%) in Balochistan. The province-wise distribution of GFCF by industries is also presented in Figure 8.7.

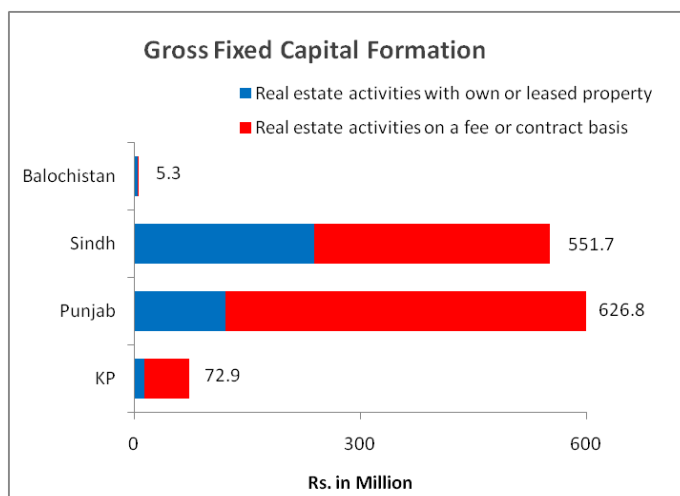


Figure 8.7: GFCF by Province

Table 8.9: GFCF by Type of Assets and PSIC (Rs. in '000')

| PSIC | | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|--|------------------------------|-------------------------|--------------------------------|-----------|
| 1 | | 3 | 4 | 5 | 6 |
| Pakistan | | 605,112 | 645,610 | 6,009 | 1,256,731 |
| 681 | Real estate activities with own or leased property | 203,712 | 169,922 | 4,643 | 378,277 |
| 682 | Real estate activities on a fee or contract basis | 401,400 | 475,688 | 1,366 | 878,454 |
| KP | | 3,707 | 69,210 | 0 | 72,918 |
| 681 | Real estate activities with own or leased property | 1,865 | 11,392 | 0 | 13,257 |
| 682 | Real estate activities on a fee or contract basis | 1,843 | 57,818 | 0 | 59,661 |
| Punjab | | 271,484 | 350,493 | 4,818 | 626,795 |
| 681 | Real estate activities with own or leased property | 19,972 | 96,690 | 4,643 | 121,304 |
| 682 | Real estate activities on a fee or contract basis | 251,513 | 253,802 | 175 | 505,491 |
| Sindh | | 329,920 | 220,611 | 1,191 | 551,722 |
| 681 | Real estate activities with own or leased property | 181,876 | 56,588 | 0 | 238,464 |
| 682 | Real estate activities on a fee or contract basis | 148,044 | 164,022 | 1,191 | 313,257 |
| Balochistan | | 0 | 5,296 | 0 | 5,296 |
| 681 | Real estate activities with own or leased property | 0 | 5,252 | 0 | 5,252 |
| 682 | Real estate activities on a fee or contract basis | 0 | 45 | 0 | 45 |

8.12 Summary Findings: Real Estate Industry

Summary findings of the survey on real estate activities 2016-17 are presented in Table 8.10. The total output at producer's prices in real estate activities has been estimated at Rs.45.58 billion which becomes Rs.45.56 billion at basic prices after deduction of net taxes on products amounting to Rs.0.02 billion. The total intermediate consumption at purchaser's prices is valued at Rs.9.1 billion. Resultantly, overall GVA at basic prices has been computed as Rs.36.5 billion. The contribution of establishments engaged in real estate activities with own or leased property stands at Rs.18.7 billion i.e. 51.3% of the overall industry whereas of those engaged in real estate activities on a fee or contract basis stands at Rs.17.8 billion i.e. 48.7%.

The contribution of the provinces in the output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices is also presented in Table 8.10. According to the data, the contribution of Punjab in the GVA of real estate activities stands at Rs.26.9 billion i.e. 73.8% followed by Rs.5.5 billion (15.1%) in Sindh, Rs.3.3 billion (9.0%) in KP and Rs.0.8 billion (2.1%) in Balochistan. The provincial distribution of GVA in real estate activities is also presented in Figure 8.8.

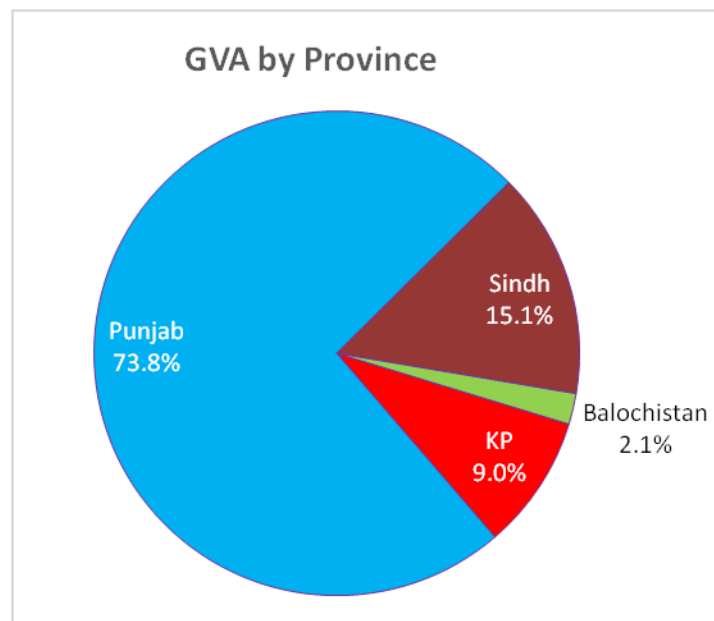


Figure 8.8: GVA by Province

Table 8.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/ excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|-------------|---|-----------------------------------|---|---------------------------|--|---------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 45,584,234 | 19,403 | 45,564,831 | 9,081,923 | 36,482,908 |
| 681 | Real estate activities with own or leased property | 22,639,209 | 9,904 | 22,629,305 | 3,921,225 | 18,708,079 |
| 682 | Real estate activities on a fee or contract basis | 22,945,025 | 9,499 | 22,935,526 | 5,160,698 | 17,774,829 |
| K.P | | 4,106,225 | 5,510 | 4,100,715 | 825,223 | 3,275,491 |
| 681 | Real estate activities with own or leased property | 1,944,593 | 2,763 | 1,941,830 | 382,524 | 1,559,306 |
| 682 | Real estate activities on a fee or contract basis | 2,161,631 | 2,747 | 2,158,885 | 442,700 | 1,716,185 |
| Punjab | | 33,240,454 | 12,365 | 33,228,088 | 6,286,205 | 26,941,883 |
| 681 | Real estate activities with own or leased property | 17,534,664 | 5,627 | 17,529,038 | 2,691,097 | 14,837,941 |
| 682 | Real estate activities on a fee or contract basis | 15,705,789 | 6,739 | 15,699,051 | 3,595,109 | 12,103,942 |
| Sindh | | 7,295,113 | 315 | 7,294,799 | 1,782,259 | 5,512,539 |
| 681 | Real estate activities with own or leased property | 2,221,371 | 301 | 2,221,070 | 661,046 | 1,560,024 |
| 682 | Real estate activities on a fee or contract basis | 5,073,743 | 14 | 5,073,729 | 1,121,213 | 3,952,516 |
| Balochistan | | 942,442 | 1,214 | 941,229 | 188,234 | 752,994 |
| 681 | Real estate activities with own or leased property | 938,580 | 1,214 | 937,366 | 186,559 | 750,808 |
| 682 | Real estate activities on a fee or contract basis | 3,862 | 0 | 3,862 | 1,676 | 2,186 |

Table 8.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results: Real Estate Activities

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 19,049 | 0 | 32,824 | 72.31 | - |
| Output at basic Prices (Rs.Million) | 5,066 | 16,734 | 45,565 | 799.36 | 172.30 |
| Intermediate at purchaser's Prices (Rs.Million) | 1,498 | 4,948 | 9,082 | 506.25 | 83.55 |
| Gross Value Added at basic prices (Rs.Million) | 3,568 | 11,786 | 36,483 | 922.42 | 209.55 |
| GFCF (Rs.Million) | 0 | 0 | 1,257 | - | - |

Chapter 9 : Administrative and Support Service Industry

9.1 Introduction

This chapter includes the results of the variety of activities that support general business operations and described in Section N of the PSIC under the title of “Administrative and support service activities”. The detailed information is expected to be helpful for the academicians, researchers, and policymakers in the economic analysis and policy decision-making at the disaggregated level.

9.2 Coverage

9.2.1 Geographical Coverage

The administrative and support service activities are comprised of rental and leasing activities (77), employment activities (78), travel agency, tour operator, reservation service and related activities (79), security and investigating activities (80), service to building and landscape activities (81) and office administrative, office support and other business support activities (82). While travel agency, tour operator, reservation service and related activities have been covered in a separate study and service to building and landscape activities are not covered due to absence of frame, this part of the report summarizes the results of remaining activities i.e. rental and leasing activities, employment activities (78), security and investigating activities (80) and office administrative, office support and other business support activities (82).

At the aggregate level, 42218 establishments have been covered under administrative and support service activities. The province-wise distribution of the coverage is reported in Table 9.1(a). According to the data, 26324 establishments belong to Punjab, 9384 belongs to KP, 5992 units to Sindh and 517 are located in Balochistan. The percentage coverage of establishments engaged in administrative and support service activities for Balochistan, KP, Punjab, and Sindh stand at 1.2%, 22.2%, 62.4%, and 14.2% respectively. The province-wise share in response is also presented in Figure 9.1(a).

Table 9.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 42218 | 100.0% |
| KP | 9384 | 22.2% |
| Punjab | 26324 | 62.4% |
| Sindh | 5992 | 14.2% |
| Balochistan | 517 | 1.2% |

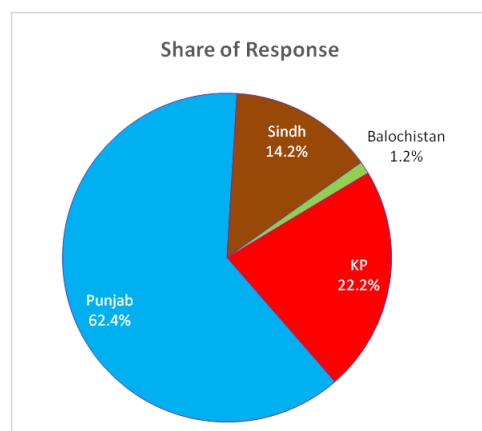


Figure 9.1: Coverage by Province

9.2.2 Industry-wise Coverage

The industry-wise coverage of establishments at national and provincial levels is presented in Table 9.1(b). The majority of the establishments i.e. 60.5% (i.e. 25555 out of 42218) are engaged in renting and leasing activities followed by 38.8% (16375) in office administrative, office support and other business support activities. The number of establishments engaged in employment activities stands at 161 whereas 127 establishments are engaged in security and investigation activities. Most of the establishments i.e. 26324 out of 42218 are based in Punjab province followed by 9384 in KP, 5992 in Sindh and 517 in Balochistan.

Table 9.1(b): Coverage by PSIC

| PSIC | | Number of Establishments | | | | |
|------|---|--------------------------|-------|--------|-------|-------------|
| | | Pakistan | KP | Punjab | Sindh | Balochistan |
| | | 42,218 | 9,384 | 26,324 | 5,992 | 517 |
| 77 | Rental and leasing activities | 25,555 | 5,712 | 15,949 | 3,874 | 20 |
| 78 | Employment activities | 161 | - | 124 | 37 | - |
| 80 | Security and investigation activities | 127 | 67 | 60 | - | - |
| 82 | Office administrative, office support and other business support activities | 16,375 | 3,605 | 10,192 | 2,081 | 497 |

9.3 Registration Status

The summary of establishments by registration status at national and provincial levels is presented in Table 9.2(a). According to the data, only a small fraction of establishments i.e. 698 out of 42218 (1.7% of the total) are registered with various government agencies. Among those registered, the majority i.e. 662 are from Punjab, 3 from KP and 33 from Balochistan. No establishment has been reported to be registered from Sindh. The majority of the registered establishments i.e. 459 are engaged in renting and leasing industry and the remaining 239 are engaged in office administrative, office support and other business support activities.

Table 9.2(a): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of registered establishments | | | | | % Registered (Total) |
|------|---|--------|-------------------------------------|----|--------|-------|-------------|-----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 42,218 | 698 | 3 | 662 | - | 33 | 1.7 |
| 77 | Rental and leasing activities | 25,555 | 459 | - | 459 | - | - | 1.8 |
| 78 | Employment activities | 161 | - | - | - | - | - | - |
| 80 | Security and investigation activities | 127 | - | - | - | - | - | - |
| 82 | Office administrative, office support and other business support activities | 16,375 | 239 | 3 | 203 | - | 33 | 1.5 |

9.4 Maintenance of Accounts

The summary of responses regarding the maintenance of accounts by the establishments is provided in Table 9.2(b). According to the results, 1285 establishments (3.0%) in administrative and support service activities are maintaining their accounts. The proportion of establishments maintaining their accounts is 1.2%, 1.3%, 3.7% and 3.6% in the provinces of Baluchistan, KP, Punjab, and Sindh respectively. Among the establishments maintaining their accounts, 923 that are engaged in renting and leasing activities are maintaining their accounts, 353 are engaged in office administrative, office support and other business support activities and the remaining 10 are engaged in security and investigation activities.

Table 9.2(b): Number of Establishments Maintaining Accounts

| PSIC | Total | Number of Establishments Maintaining accounts | | | | | % Maintained Accounts |
|--|--------|---|-----|--------|-------|-------------|-----------------------|
| | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | 42,218 | 1,285 | 126 | 940 | 213 | 6 | |
| 77 Rental and leasing activities | 25,555 | 923 | 126 | 584 | 213 | 0 | 3.6% |
| 78 Employment activities | 161 | 0 | 0 | 0 | 0 | 0 | 0.0% |
| 80 Security and investigation activities | 127 | 10 | 0 | 10 | 0 | 0 | 7.9% |
| 82 Office administrative, office support and other business support activities | 16,375 | 353 | 0 | 347 | 0 | 6 | 2.2% |

9.5 Type of Ownership in Administrative and Support Service Industry

The number of establishments engaged in administrative and support service industry by type of organization at national and provincial levels during 2016-17 is presented in Table 9.3(a). The individual ownership is the most common form of ownership among establishments with 39609 out of 42218 i.e. 93.8% fall under this category. The partnership is the second most common form of ownership i.e. 5.2% among administrative and support service establishments. The remaining 1.0% of establishments are operated under Private Limited companies, Public Limited companies, Cooperatives, and others.

The detail of ownership structure by industry is reported in Table 9.3(b). According to the data, the percentage of individual ownership in renting and leasing activities, employment activities, security and investigation activities, and office administrative, office support and other business support activities stands at 91.5%, 45.6%, 100%, and 97.9% respectively. 7.4%, and 1.9% of establishments engaged in renting and leasing activities and office administrative, office support and other business support activities have the

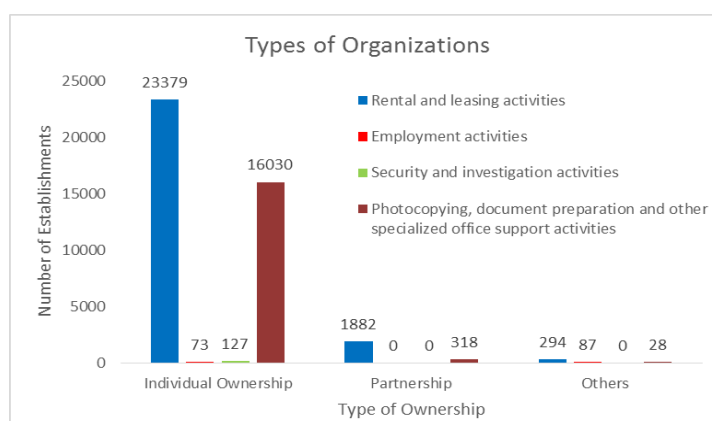


Figure 9.2: Type of Ownership Structure by PSIC

partnership structure. The detail of ownership structure by industry is also presented in Figure 9.2.

Table 9.3(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|------|--------|-------|-------------|
| | 42218 | 9384 | 26324 | 5992 | 517 |
| Individual Ownership | 39609 | 8851 | 24981 | 5280 | 497 |
| Partnership | 2200 | 534 | 982 | 664 | 20 |
| Cooperative | 24 | | 24 | | |
| Private Ltd. Co. | 91 | | 91 | | |
| Public Ltd. Co. | 47 | | 0 | 47 | |
| Others | 247 | | 247 | | |

Table 9.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Cooperative | Private Ltd. Co. | Public Ltd. Co. | Others |
|------|---|----------|----------------------|-------------|-------------|------------------|-----------------|--------|
| | | 42218 | 39608 | 2200 | 24 | 91 | 48 | 247 |
| 77 | Rental and leasing activities | 25555 | 23378 | 1882 | 24 | 0 | 24 | 247 |
| 78 | Employment activities | 160 | 73 | 0 | 0 | 87 | 0 | 0 |
| 80 | Security and investigation activities | 127 | 127 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 16376 | 16030 | 318 | 0 | 4 | 24 | 0 |

9.6 Employment by Type and Gender

Employment in the administrative and support service activities by type and gender at national and provincial levels is presented in Table 9.4(a). According to the results, total number of persons engaged in the administrative and support service industry during the reference period stands at 80994 out of which 43461 (53.7%) are working proprietors, 821 (1.0%) are managers and professionals, 11630 (14.4%) are unpaid family workers, 1716 (2.1%) are technicians and associate professionals and 23366 (28.8%) are other employees. The distribution of employment by type is also presented in Figure 9.3, which reflects the working proprietor as the leading category.

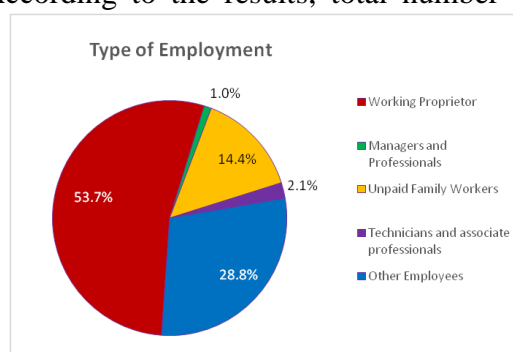


Figure 9.3: Employment by Type

From the gender point of view, the subject matter industry is dominated by male employees which are 80887 i.e. 99.9% whereas a small fraction i.e. 108 (0.1%) employees are female. Province-wise break-up of employment suggests that 14690 (18.1%) employees belong to KP province. 64.9% (9530) of these employees were engaged as working proprietors, 59 were managers and professionals, 2141 were unpaid family workers and 2877 were other employees.

In Punjab, out of 48605 employees, 27379 (56.3%) are working proprietors followed by other employees (12835), unpaid family workers (6887), technicians and associate professionals (1033) and managers and professionals (471). The total number of employees engaged in administrative and support service activities in Sindh and Balochistan stands at 16720 and 979 including 6003 and 548 workers proprietors respectively. The percentage share of the managers and professionals is 1.6%, 1.8% in Sindh and Balochistan respectively. There are 2377 (14.2%) and 225 (23%) unpaid family working in Sindh and Balochistan whereas the number of technicians and associate profession stands at 447 (2.7%) and 152 (15.6%) respectively.

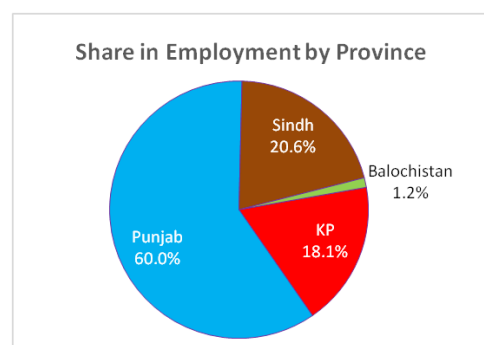


Figure 9.4: Employment by Province

Table 9.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|---|-------|--------|-------|
| Pakistan | 80887 | 108 | 80994 |
| Working Proprietor | 43461 | - | 43461 |
| Managers and Professionals | 821 | - | 821 |
| Unpaid Family Workers | 11630 | - | 11630 |
| Technicians and associate professionals | 1716 | - | 1716 |
| Other Employees | 23258 | 108 | 23366 |
| KP | 14681 | 8 | 14690 |
| Working Proprietor | 9530 | 0 | 9530 |
| Managers and Professionals | 59 | 0 | 59 |
| Unpaid Family Workers | 2141 | 0 | 2141 |
| Technicians and associate professionals | 84 | 0 | 84 |
| Other Employees | 2868 | 8 | 2877 |
| Punjab | 48577 | 28 | 48605 |
| Working Proprietor | 27379 | 0 | 27379 |
| Managers and Professionals | 471 | 0 | 471 |
| Unpaid Family Workers | 6887 | 0 | 6887 |
| Technicians and associate professionals | 1033 | 0 | 1033 |
| Other Employees | 12807 | 28 | 12835 |
| Sindh | 16649 | 71 | 16720 |
| Working Proprietor | 6003 | 0 | 6003 |
| Managers and Professionals | 274 | 0 | 274 |
| Unpaid Family Workers | 2377 | 0 | 2377 |
| Technicians and associate professionals | 447 | 0 | 447 |
| Other Employees | 7548 | 71 | 7619 |
| Balochistan | 979 | 0 | 979 |
| Working Proprietor | 548 | 0 | 548 |
| Managers and Professionals | 18 | 0 | 18 |
| Unpaid Family Workers | 225 | 0 | 225 |
| Technicians and associate professionals | 152 | 0 | 152 |
| Other Employees | 36 | 0 | 36 |

Table 9.4(b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managers and Professionals | | | Unpaid Family Workers | | | Technicians and associate professionals | | | Other Employees | | | Total | | |
|-------------|---|--------------------|--------|--------|----------------------------|--------|-------|-----------------------|--------|--------|---|--------|-------|-----------------|--------|--------|--------|--------|--------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 43,461 | 0 | 43,461 | 821 | 0 | 821 | 11,630 | 0 | 11,630 | 1,716 | 0 | 1,716 | 23,258 | 108 | 23,366 | 80,887 | 108 | 80,994 |
| 77 | Rental and leasing activities | 26,466 | 0 | 26,466 | 713 | 0 | 713 | 7,720 | 0 | 7,720 | 511 | 0 | 511 | 17,887 | 80 | 17,967 | 53,297 | 80 | 53,376 |
| 78 | Employment activities | 248 | 0 | 248 | 0 | 0 | 0 | 37 | 0 | 37 | 0 | 0 | 0 | 752 | 28 | 780 | 1,037 | 28 | 1,065 |
| 80 | Security and investigation activities | 127 | 0 | 127 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 461 | 0 | 461 | 588 | 0 | 588 |
| 82 | Office administrative, office support and other business support activities | 16,620 | 0 | 16,620 | 109 | 0 | 109 | 3,874 | 0 | 3,874 | 1,205 | 0 | 1,205 | 4,158 | 0 | 4,158 | 25,965 | 0 | 25,965 |
| KP | | 9,530 | 0 | 9,530 | 59 | 0 | 59 | 2,141 | 0 | 2,141 | 84 | 0 | 84 | 2,868 | 8 | 2,877 | 14,681 | 8 | 14,690 |
| 77 | Rental and leasing activities | 5,735 | 0 | 5,735 | 59 | 0 | 59 | 1,155 | 0 | 1,155 | 52 | 0 | 52 | 2,236 | 8 | 2,244 | 9,237 | 8 | 9,246 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 67 | 0 | 67 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 201 | 268 | 0 | 268 |
| 82 | Office administrative, office support and other business support activities | 3,727 | 0 | 3,727 | 0 | 0 | 0 | 986 | 0 | 986 | 31 | 0 | 31 | 432 | 0 | 432 | 5,176 | 0 | 5,176 |
| Punjab | | 27,379 | 0 | 27,379 | 471 | 0 | 471 | 6,887 | 0 | 6,887 | 1,033 | 0 | 1,033 | 12,807 | 28 | 12,835 | 48,577 | 28 | 48,605 |
| 77 | Rental and leasing activities | 16,826 | 0 | 16,826 | 386 | 0 | 386 | 4,808 | 0 | 4,808 | 182 | 0 | 182 | 9,600 | 0 | 9,600 | 31,800 | 0 | 31,800 |
| 78 | Employment activities | 211 | 0 | 211 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 715 | 28 | 743 | 926 | 28 | 955 |
| 80 | Security and investigation activities | 60 | 0 | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 260 | 0 | 260 | 320 | 0 | 320 |
| 82 | Office administrative, office support and other business support activities | 10,282 | 0 | 10,282 | 86 | 0 | 86 | 2,079 | 0 | 2,079 | 852 | 0 | 852 | 2,231 | 0 | 2,231 | 15,531 | 0 | 15,531 |
| Sindh | | 6,003 | 0 | 6,003 | 274 | 0 | 274 | 2,377 | 0 | 2,377 | 447 | 0 | 447 | 7,548 | 71 | 7,619 | 16,649 | 71 | 16,720 |
| 77 | Rental and leasing activities | 3,885 | 0 | 3,885 | 269 | 0 | 269 | 1,744 | 0 | 1,744 | 277 | 0 | 277 | 6,045 | 71 | 6,116 | 12,220 | 71 | 12,291 |
| 78 | Employment activities | 37 | 0 | 37 | 0 | 0 | 0 | 37 | 0 | 37 | 0 | 0 | 0 | 37 | 0 | 37 | 110 | 0 | 110 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 2,081 | 0 | 2,081 | 6 | 0 | 6 | 596 | 0 | 596 | 170 | 0 | 170 | 1,466 | 0 | 1,466 | 4,319 | 0 | 4,319 |
| Balochistan | | 548 | 0 | 548 | 18 | 0 | 18 | 225 | 0 | 225 | 152 | 0 | 152 | 36 | 0 | 36 | 979 | 0 | 979 |
| 77 | Rental and leasing activities | 20 | 0 | 20 | 0 | 0 | 0 | 13 | 0 | 13 | 0 | 0 | 0 | 6 | 0 | 6 | 40 | 0 | 40 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 529 | 0 | 529 | 18 | 0 | 18 | 212 | 0 | 212 | 152 | 0 | 152 | 29 | 0 | 29 | 940 | 0 | 940 |

The number of persons engaged in administrative and support service activities by gender and PSIC at national and provincial levels is presented in Table 9.4(b). According to the data, out of total 80994 employees, majority i.e. 53376 is engaged in rental and leasing activities followed by 25965 in-office administrative, office support and other business support activities, 1065 in employment activities and 588 in security and investigation activities.

9.7 Employment cost

Employment cost, which includes wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits, incurred by establishments engaged in administrative and support service activities at national and provincial levels are presented in Table 9.5. According to the results, total employment cost in administrative and support service activities stands at Rs.10.6 billion including Rs.10.1 billion on wages & salaries in cash, Rs.18.8 million as other cash payments and Rs.525.4 million in payments in kind i.e. non-cash benefits.

The industry-wise detail of employment cost suggests that employment cost of establishments engaged in renting and leasing activities stands at Rs.4.6 billion including Rs.4.2 billion on wages & salaries in cash, Rs.17.4 million on other cash payments and Rs.417.4 million on payments in kind. The expenditure on employment cost of establishments engaged in employment activities stands at Rs.4.3 billion, which were entirely paid in wages & salaries in cash.

Employment cost for establishments engaged in security and investigation activities has been estimated at Rs.58.0 million including Rs.55.5million of wages & salaries in cash, and Rs.2.5 million in payments in kind. The employment cost for office administrative, office support and other business support activities stands at Rs.1.6 billion including Rs.1.5 billion on wages & salaries in cash, Rs.1.4 million as other cash payments and Rs.105.5 million as payment in kind. The employment cost by industries is also presented in Figure 9.5.

The employment cost in the administrative and support service industry by provincial break-up is also presented in Table 9.5 and shown by a pie chart in Figure 9.6. According to the data, leading share in the employment cost i.e. 77.1% of the total employment cost of the industry (Rs.8.2 billion) has been incurred by establishments based in Punjab, followed by Sindh based establishments with Rs.1.3 billion (12.3%), Rs.1.1 billion (10.4%) in KP and Rs.17 million (0.2%) in Balochistan. In Punjab, share in employment cost of establishments engaged in employment activities stands at 52.9% followed by 33.1% by

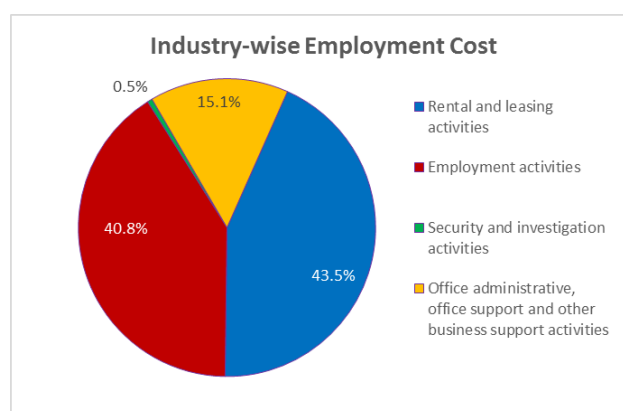


Figure 9.5: Employment Cost by Industry

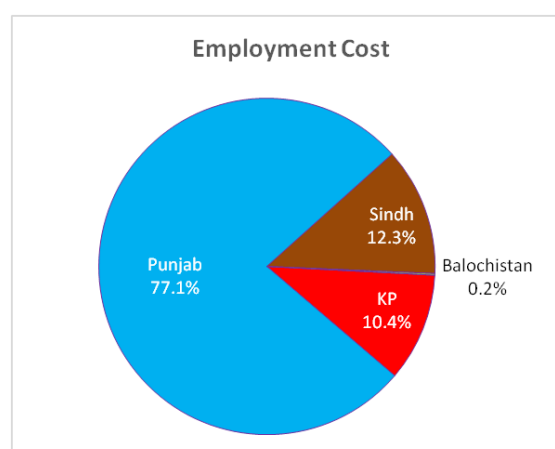


Figure 9.6: Employment Cost by Province

those engaged in rental and leasing activities. For establishments based in Sindh province, share in employment cost of establishments engaged in rental and leasing activities stands at 74.7% followed by 24.9% and 0.3% in office administrative, office support and other business support activities and employment activities respectively.

Table 9.5: Employment Cost by PSIC (Rs. in ‘000’)

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|-------------|---|------------------|---------------------|-------------------------------------|------------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 10,077,194 | 18,810 | 525,452 | 10,621,456 |
| 77 | Rental and leasing activities | 4,190,055 | 17,426 | 417,451 | 4,624,932 |
| 78 | Employment activities | 4,335,536 | 0 | 0 | 4,335,536 |
| 80 | Security and investigation activities | 55,490 | 0 | 2,506 | 57,996 |
| 82 | Office administrative, office support and other business support activities | 1,496,113 | 1,384 | 105,495 | 1,602,992 |
| KP | | 971,193 | 2,610 | 133,458 | 1,107,261 |
| 77 | Rental and leasing activities | 833,825 | 2,610 | 97,672 | 934,107 |
| 78 | Employment activities | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 19,317 | 0 | 2,415 | 21,731 |
| 82 | Office administrative, office support and other business support activities | 118,051 | 0 | 33,372 | 151,422 |
| Punjab | | 7,885,977 | 13,794 | 289,284 | 8,189,055 |
| 77 | Rental and leasing activities | 2,473,478 | 12,904 | 226,137 | 2,712,519 |
| 78 | Employment activities | 4,331,123 | 0 | 0 | 4,331,123 |
| 80 | Security and investigation activities | 36,173 | 0 | 92 | 36,265 |
| 82 | Office administrative, office support and other business support activities | 1,045,202 | 889 | 63,055 | 1,109,147 |
| Sindh | | 1,204,871 | 2,405 | 100,805 | 1,308,081 |
| 77 | Rental and leasing activities | 881,976 | 1,911 | 93,642 | 977,529 |
| 78 | Employment activities | 4,412 | 0 | 0 | 4,412 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 318,483 | 495 | 7,163 | 326,140 |
| Balochistan | | 15,153 | 0 | 1,905 | 17,059 |
| 77 | Rental and leasing activities | 776 | 0 | 0 | 776 |
| 78 | Employment activities | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 14,377 | 0 | 1,905 | 16,283 |

The share of establishments engaged in rental and leasing activities in employment cost in KP stands at 84.4% followed by 13.7% by those engaged in office administrative, office support and other business support activities and 2% in security and investigation activities. The industry-wise share in employment cost for establishments belonging to Balochistan stands at 95.5% for those engaged in office administrative, office support and other business support activities, and 4.5% in rental and leasing activities.

9.8 Input Cost by Industry and Product

The detail of intermediate expenditures incurred by establishments engaged in administrative and support service activities during 2016-17 by products are presented in Table 9.6(a). According to the data, total expenditure on inputs in the administrative and support service industry amounts to Rs.14.1 billion.

Table 9.6(a): Input Cost by Product

| Items of Expenditure | | Rs. in '000' | % share |
|---|-----|--------------|---------|
| Accounting, secretarial and audit fees | 401 | 7,352 | 0.1 |
| Advertising and promotion | 402 | 19,061 | 0.1 |
| Bank charges | 403 | 16,541 | 0.1 |
| Electricity Charges | 404 | 1,533,509 | 10.8 |
| Entertainment Charges | 405 | 1,125,048 | 8.0 |
| Expenditure on stationery and office supplies | 406 | 1,500,082 | 10.6 |
| Expenditure on prepared food including grocery | 407 | 139,783 | 1.0 |
| Expenditure on sports goods (Balls, bats, rackets, uniforms, etc.) | 408 | 8,667 | 0.1 |
| Expenditure on uniforms | 409 | 29,761 | 0.2 |
| Fuel and Lubricants | 410 | 732,931 | 5.2 |
| Gas Charges | 411 | 28,296 | 0.2 |
| Insurance Premium | 412 | 247 | 0.0 |
| Interest paid | 413 | 129 | 0.0 |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | 36,391 | 0.3 |
| Material for repair and maintenance | 415 | 1,342,543 | 9.5 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | 880,497 | 6.2 |
| Payment for data processing and other services related to information technology | 417 | 32,830 | 0.2 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 418 | 26,989 | 0.2 |
| Payment for security services | 419 | 24,164 | 0.2 |
| Postage/Courier | 420 | 22,440 | 0.2 |
| Rent of Building | 421 | 2,895,917 | 20.5 |
| Telephone/Fax/Telegraph/ Internet | 422 | 433,637 | 3.1 |
| Transportation Charges | 423 | 372,529 | 2.6 |
| Travel Expenses | 424 | 179,939 | 1.3 |
| Water Charges | 425 | 82,416 | 0.6 |
| Other Expenditure n.e.c. | 426 | 2,674,108 | 18.9 |
| Total | | 14,145,806 | 100.0 |

As per details of product-wise expenditure, the major part of the expenditure relates to rent of the building, which is Rs.2.9 billion (20.5%), followed by other expenditures i.e. Rs.2.7 billion (18.9%). The electricity charges account for 10.8% of the total input cost of the industry.

Table 9.6(b): Input Cost by PSIC and Product (Rs. in '000')

| PSIC | | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 |
|-------------|---|-------|--------|--------|-----------|-----------|-----------|---------|-------|--------|---------|--------|-----|-----|--------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| Pakistan | | 7,352 | 19,061 | 16,541 | 1,533,509 | 1,125,048 | 1,500,082 | 139,783 | 8,667 | 29,761 | 732,931 | 28,296 | 247 | 129 | 36,391 |
| 77 | Rental and leasing activities | 7,352 | 5,359 | 5,089 | 527,325 | 433,582 | 43,096 | 86,186 | 6,137 | 27,588 | 554,961 | 22,933 | 0 | 129 | 5,555 |
| 78 | Employment activities | 0 | 293 | 0 | 271,299 | 189,677 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 758 | 2,233 | 805 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 13,409 | 11,452 | 734,127 | 499,556 | 1,456,083 | 53,597 | 2,530 | 2,173 | 177,925 | 5,364 | 247 | 0 | 30,835 |
| KP | | 7,352 | 1,201 | 105 | 189,720 | 146,872 | 255,127 | 61,927 | 255 | 501 | 118,185 | 9,057 | 0 | 129 | 4,732 |
| 77 | Rental and leasing activities | 7,352 | 783 | 0 | 70,549 | 81,481 | 15,741 | 35,500 | 238 | 361 | 48,192 | 6,693 | 0 | 129 | 326 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 402 | 1,610 | 805 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 418 | 105 | 118,768 | 63,781 | 238,582 | 26,427 | 17 | 140 | 69,993 | 2,364 | 0 | 0 | 4,406 |
| Punjab | | 0 | 16779 | 14156 | 878215 | 818211 | 517057 | 41286 | 1375 | 27495 | 506126 | 2221 | 0 | 0 | 28600 |
| 77 | Rental and leasing activities | 0 | 3764 | 2980 | 232614 | 262317 | 16316 | 31831 | 0 | 27227 | 454283 | 888 | 0 | 0 | 5229 |
| 78 | Employment activities | 0 | 293 | 0 | 270858 | 187029 | 98 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 355 | 623 | 0 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 12722 | 11177 | 374387 | 368242 | 500643 | 9454 | 1375 | 268 | 51797 | 1333 | 0 | 0 | 23372 |
| Sindh | | 0 | 1,081 | 2,109 | 451,564 | 144,506 | 708,415 | 30,085 | 7,037 | 1,765 | 98,846 | 15,833 | 247 | 0 | 2,967 |
| 77 | Rental and leasing activities | 0 | 813 | 2,109 | 223,834 | 89,146 | 11,039 | 18,403 | 5,899 | 0 | 52,487 | 14,964 | 0 | 0 | 0 |
| 78 | Employment activities | 0 | 0 | 0 | 441 | 2,647 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 269 | 0 | 227,289 | 52,713 | 697,376 | 11,683 | 1,138 | 1,765 | 46,359 | 869 | 247 | 0 | 2,967 |
| Balochistan | | 0 | 0 | 172 | 14,011 | 15,458 | 19,482 | 6,485 | 0 | 0 | 9,775 | 1,184 | 0 | 0 | 91 |
| 77 | Rental and leasing activities | 0 | 0 | 0 | 328 | 638 | 0 | 452 | 0 | 0 | 0 | 387 | 0 | 0 | 0 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 0 | 172 | 13,683 | 14,820 | 19,482 | 6,033 | 0 | 0 | 9,775 | 797 | 0 | 0 | 91 |

Table 9.6(b): Input Cost by PSIC and Product (Rs. in '000') Cont.

| PSIC | | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 400 |
|-------------|---|-----------|---------|--------|--------|--------|--------|-----------|---------|---------|---------|--------|-----------|------------|
| 1 | | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Pakistan | | 1,342,543 | 880,497 | 32,830 | 26,989 | 24,164 | 22,440 | 2,895,917 | 433,637 | 372,529 | 179,939 | 82,416 | 2,674,108 | 14,145,806 |
| 77 | Rental and leasing activities | 602,630 | 595,922 | 3,980 | 7,601 | 18,865 | 3,173 | 1,690,715 | 192,518 | 316,720 | 105,572 | 49,110 | 477,074 | 5,789,172 |
| 78 | Employment activities | 129,054 | 0 | 0 | 0 | 0 | 782 | 134,360 | 67,120 | 0 | 98 | 0 | 332,701 | 1,125,483 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 41,969 | 1,144 | 0 | 61 | 0 | 0 | 47,016 |
| 82 | Office administrative, office support and other business support activities | 610,858 | 284,575 | 28,850 | 19,388 | 5,299 | 18,485 | 1,028,874 | 172,853 | 55,809 | 74,208 | 33,306 | 1,864,334 | 7,184,136 |
| KP | | 179,756 | 208,204 | 491 | 7,038 | 8,832 | 1,989 | 359,872 | 62,391 | 73,203 | 37,533 | 15,292 | 175,646 | 1,925,410 |
| 77 | Rental and leasing activities | 127,082 | 92,999 | 332 | 6,319 | 8,228 | 1,816 | 243,660 | 35,509 | 45,681 | 17,205 | 9,495 | 92,107 | 947,778 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 7,244 | 805 | 0 | 0 | 0 | 0 | 10,866 |
| 82 | Office administrative, office support and other business support activities | 52,674 | 115,205 | 159 | 719 | 603 | 172 | 108,969 | 26,077 | 27,522 | 20,328 | 5,798 | 83,539 | 966,767 |
| Punjab | | 812,548 | 470,785 | 32,269 | 19,951 | 2,831 | 19,855 | 1,717,404 | 253,538 | 160,919 | 114,591 | 35,433 | 2,077,557 | 8,569,203 |
| 77 | Rental and leasing activities | 268,541 | 311,342 | 3,648 | 1,282 | 477 | 1,006 | 911,193 | 103,168 | 137,316 | 69,488 | 14,403 | 202,098 | 3,061,413 |
| 78 | Employment activities | 129,054 | 0 | 0 | 0 | 0 | 782 | 130,389 | 65,797 | 0 | 98 | 0 | 332,701 | 1,117,099 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 34,725 | 340 | 0 | 61 | 0 | 0 | 36,150 |
| 82 | Office administrative, office support and other business support activities | 414,952 | 159,442 | 28,621 | 18,669 | 2,354 | 18,068 | 641,098 | 84,234 | 23,603 | 44,945 | 21,030 | 1,542,759 | 4,354,541 |
| Sindh | | 307,286 | 197,964 | 0 | 0 | 11,518 | 351 | 777,344 | 113,062 | 136,587 | 27,638 | 31,384 | 418,114 | 3,485,707 |
| 77 | Rental and leasing activities | 206,541 | 190,649 | 0 | 0 | 10,082 | 351 | 533,670 | 53,732 | 133,257 | 18,879 | 25,057 | 182,558 | 1,773,469 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 3,971 | 1,324 | 0 | 0 | 0 | 0 | 8,384 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 100,745 | 7,315 | 0 | 0 | 1,437 | 0 | 239,702 | 58,007 | 3,331 | 8,759 | 6,327 | 235,557 | 1,703,854 |
| Balochistan | | 42,953 | 3,545 | 71 | 0 | 982 | 245 | 41,297 | 4,646 | 1,820 | 175 | 306 | 2,790 | 165,485 |
| 77 | Rental and leasing activities | 466 | 931 | 0 | 0 | 78 | 0 | 2,192 | 110 | 466 | 0 | 155 | 310 | 6,513 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 42,487 | 2,614 | 71 | 0 | 904 | 245 | 39,105 | 4,536 | 1,354 | 175 | 151 | 2,480 | 158,973 |

Further, Rs.1.5 billion (10.6%) have been incurred on stationery and office supplies, Rs.1.3 billion (9.5%) on material for repair and maintenance, Rs.1.1 billion (8.0%) on entertainment charges, Rs.880.5 million (6.2%) on payment for current repair and maintenance work done by others on this establishment's fixed assets, Rs.732.9 million (5.2%) on fuel and lubricants, Rs.433.6 million (3.1%) on telephone/ fax/ telegraph/ internet, and Rs.372.5 million (2.6%) on transport charges. The remaining 4.7% is comprised of other products. Figure 9.7 shows the intermediate consumption in administrative and support service activities by industry.

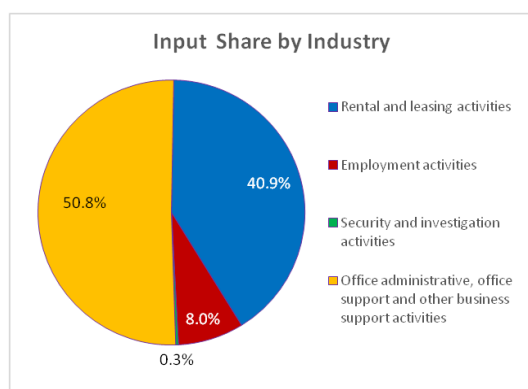


Figure 9.7: Intermediate Consumption by Industry

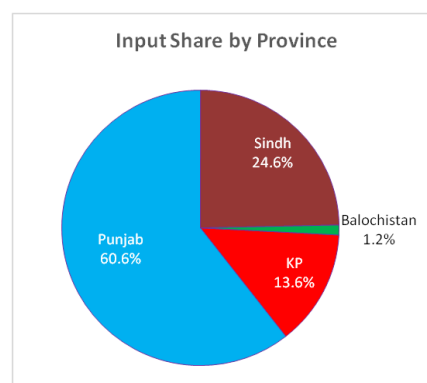


Figure 9.8: Intermediate Consumption by Province

Further detail of expenditure on inputs by PSIC at national and provincial levels is reported in Table 9.6(b). The data shows that cost of inputs for establishments engaged in office administrative, office support and other business support activities stands at Rs.7.2 billion (50.8%) followed by those engaged in rental and leasing activities worth of Rs.5.8 billion (40.9%), Rs.1.1 billion (8.0%) in employment activities and Rs.0.04 billion (0.3%) in security and investigation activities. The provincial detail of expenditure on inputs is also reported in Table 9.6(b) and Figure 9.8. The data suggest that most of the input cost has been incurred by establishments from Punjab province with share 60.6% i.e. Rs.8.6 billion, followed by those in Sindh, KP and Balochistan by 24.6% (Rs.3.5 billion), 13.6% (Rs.1.9 billion) and 1.2% (Rs.165.5 million) respectively.

9.9 Taxes and Depreciation

The details of taxes paid and depreciation charged in the administrative and support services industry is presented in Table 9.7. The total taxes paid by the administrative industry amounts to Rs.1.8 billion with 2.81% share of provincial/district tax (Rs.51.5 million), 96.73% from other taxes (Rs.1.77 billion), Rs.5.4 million (0.3%) from GST, 0.12% (Rs.2.3 million) from motor vehicle/land taxes and 0.04% from excise/import duty. The total depreciation charged during the financial year 2016-17 stands at Rs.5.5 million.

The accumulation of taxes has been studied on the provincial level whose detail is given in Table 9.7. It can be observed that

around 99.7% i.e. Rs.1.8 billion of the tax payments have been reported by establishments based in Punjab followed by those in Sindh with shares of 0.21% (Rs.3.8 million).

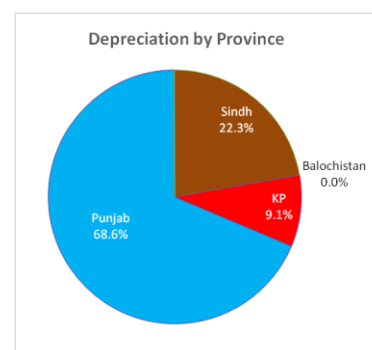


Figure 9.9: Province-wise share in Depreciation

The share of establishments belonging to KP and Balochistan provinces in the taxes is negligible at around 0.04%. The industry-wise detail of tax payments presented in Table 9.7 shows that most of the tax payments (Rs.1.7 billion) have been reported by establishments engaged in employment activities followed by 0.06 billion by those engaged in rental and leasing activities.

Table 9.7: Taxes and Depreciation by PSIC (Rs. in ‘000’)

| PSIC | | General Sales Taxes | Motor Vehicle Tax/ Land Tax | Excise/ Import Duty | Provincial/ District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|---|---------------------|-----------------------------|---------------------|----------------------------|-------------|-------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 5,411 | 2,269 | 647 | 51,513 | 1,772,936 | 1,832,777 | 5,463 |
| 77 | Rental and leasing activities | 3,986 | 2,269 | 647 | 49,183 | 6,580 | 62,665 | 3,620 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 1,764,889 | 1,764,889 | 0 |
| 82 | Office administrative, office support and other business support activities | 1,426 | 0 | 0 | 2,330 | 1,467 | 5,223 | 1,843 |
| KP | | 0 | 13 | 479 | 90 | 239 | 821 | 498 |
| 77 | Rental and leasing activities | 0 | 13 | 479 | 56 | 239 | 788 | 446 |
| 82 | Office administrative, office support and other business support activities | 0 | 0 | 0 | 34 | 0 | 34 | 52 |
| Punjab | | 4,971 | 518 | 14 | 50,419 | 1,771,425 | 1,827,347 | 3,747 |
| 77 | Rental and leasing activities | 3,986 | 518 | 14 | 48,122 | 5,676 | 58,316 | 1,955 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 1,764,889 | 1,764,889 | 0 |
| 82 | Office administrative, office support and other business support activities | 986 | 0 | 0 | 2296 | 860 | 4142 | 1791 |
| Sindh | | 0 | 1,738 | 154 | 1,005 | 899 | 3,795 | 1,218 |
| 77 | Rental and leasing activities | 0 | 1,738 | 154 | 1,005 | 650 | 3,547 | 1,218 |
| 82 | Office administrative, office support and other business support activities | 0 | 0 | 0 | 0 | 249 | 249 | 0 |
| Balochistan | | 441 | 0 | 0 | 0 | 372 | 813 | 0 |
| 77 | Rental and leasing activities | 0 | 0 | 0 | 0 | 15 | 15 | 0 |
| 82 | Office administrative, office support and other business support activities | 441 | 0 | 0 | 0 | 358 | 798 | 0 |

The detail of depreciation charged by establishments in administrative and support service activities at national and provincial levels are also reported in Table 9.7 and Figure 9.9. Data shows that in the total depreciation of Rs.5.5 million, the major contribution in depreciation i.e. 68.6% is from establishments based in Punjab province followed by Sindh (22.4%) and KP (8.9%). Depreciation has not been reported by establishments belonging to Balochistan.

9.10 Output in Administrative and Support Service Industry

The detail of the output of the administrative and support service industry by products has been reported in Table 9.8(a). The total earnings generated in the administrative and support service industry during 2016-17 amounts to Rs.341.0 billion. From the Product point of view, the major contribution comes from employment services i.e. Rs.182.2 billion (53.4%), followed by other incomes with a 37.4% share in revenue i.e. Rs.127.5 billion. The share of specialized office

support services is Rs.12.4 billion (3.6%) followed by leasing or rental services concerning other goods worth Rs.11.6 billion (3.4%). The share of the remaining items in the total output stands at 2.1%.

Table 9.8(a): Output by Product

| Items of Revenue | Codes | Rs. in '000' | % Share |
|--|-------|--------------|---------|
| Leasing or rental services concerning transport equipment without operator | 601 | 2,629,294 | 0.8 |
| Leasing or rental services concerning other machinery and equipment without operator | 602 | 1,656,208 | 0.5 |
| Leasing or rental services concerning other goods (Furniture, household appliances, textile, clothing, etc.) | 603 | 11,615,530 | 3.4 |
| Employment services | 604 | 182,174,509 | 53.4 |
| Reservation services for transportation | 605 | 881,808 | 0.3 |
| Reservation services for accommodation, cruises and package tours | 606 | 240,124 | 0.1 |
| Tour operator services | 607 | 720,797 | 0.2 |
| Investigation and security services | 608 | 1,159,420 | 0.3 |
| Specialized office support services (Photocopying etc.) | 609 | 12,441,994 | 3.6 |
| Other Income | 610 | 127,512,396 | 37.4 |
| Total | 600 | 341,032,079 | 100.0 |

The detail of output by PSIC and products at national and provincial levels for the establishments engaged in the administrative and support service industry is given in Table 9.8(b). According to the data, the share of establishments engaged in employment activities stands at Rs.302.9 billion i.e. 88.8% followed by Rs.22.7 billion (6.7%) in rental and leasing activities, Rs.15.3 billion (4.5%) in office administrative, office support and other business support activities and Rs.0.1 billion in security and investigation activities.

Further, province-wise detail of output suggests that major share in the output i.e. Rs.322.8 billion (94.6%) has been registered by establishments based in Punjab followed by Rs. 11.6 billion by those belonging to Sindh, Rs.6.3 billion to KP and Rs.0.03 billion to Balochistan.

Table 9.8(b): Output by PSIC and Product (Rs. in ‘000’)

| PSIC | | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 600 |
|-------------|---|-----------|-----------|------------|-------------|---------|---------|---------|-----------|------------|-------------|-------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Pakistan | | 2,629,294 | 1,656,208 | 11,615,530 | 182,174,509 | 881,808 | 240,124 | 720,797 | 1,159,420 | 12,441,994 | 127,512,396 | 341,032,079 |
| 77 | Rental and leasing activities | 2,607,981 | 1,645,266 | 11,585,585 | 386,759 | 817,074 | 146,457 | 577,200 | 936,882 | 402,752 | 3,596,824 | 22,702,779 |
| 78 | Employment activities | 0 | 0 | 0 | 181,699,005 | 26,474 | 0 | 0 | 0 | 10,199 | 121,191,192 | 302,926,870 |
| 80 | Security and investigation activities | 0 | 857 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98,698 | 99,556 |
| 82 | Office administrative, office support and other business support activities | 21,313 | 10,085 | 29,945 | 88,746 | 38,259 | 93,666 | 143,597 | 222,538 | 12,029,042 | 2,625,682 | 15,302,874 |
| KP | | 300,066 | 656,444 | 1,362,104 | 13,684 | 108 | 113,962 | 104,978 | 65,580 | 2,578,729 | 1,115,959 | 6,311,615 |
| 77 | Rental and leasing activities | 299,002 | 656,444 | 1,362,104 | 1,098 | 108 | 113,962 | 100,635 | 65,580 | 283,676 | 898,231 | 3,780,842 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64,389 | 64,389 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 1,064 | 0 | 0 | 12,586 | 0 | 0 | 4,343 | 0 | 2,295,053 | 153,339 | 2,466,385 |
| Punjab | | 1,986,989 | 885,778 | 3,754,966 | 182,131,946 | 566,621 | 94,637 | 482,973 | 553,991 | 7,045,698 | 125,269,051 | 322,772,649 |
| 77 | Rental and leasing activities | 1,970,101 | 874,836 | 3,725,021 | 376,072 | 530,094 | 4,424 | 364,619 | 429,730 | 119,076 | 2,076,518 | 10,470,491 |
| 78 | Employment activities | 0 | 0 | 0 | 181,699,005 | 0 | 0 | 0 | 0 | 10,199 | 121,126,803 | 302,836,007 |
| 80 | Security and investigation activities | 0 | 857 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 98,698 | 99,556 |
| 82 | Office administrative, office support and other business support activities | 16,888 | 10,085 | 29,945 | 56,869 | 36,527 | 90,213 | 118,354 | 124,261 | 6,916,423 | 1,967,033 | 9,366,597 |
| Sindh | | 338,878 | 113,985 | 6,489,148 | 23,365 | 313,346 | 31,525 | 132,846 | 519,618 | 2,678,672 | 967,579 | 11,608,962 |
| 77 | Rental and leasing activities | 338,878 | 113,985 | 6,489,148 | 9,588 | 286,872 | 28,072 | 111,946 | 441,571 | 0 | 611,517 | 8,431,577 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 26,474 | 0 | 0 | 0 | 0 | 0 | 26,474 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 0 | 0 | 13,777 | 0 | 3,453 | 20,900 | 78,046 | 2,678,672 | 356,062 | 3,150,910 |
| Balochistan | | 3,361 | 0 | 9,312 | 5,515 | 1,732 | 0 | 0 | 20,232 | 138,894 | 159,806 | 338,852 |
| 77 | Rental and leasing activities | 0 | 0 | 9,312 | 0 | 0 | 0 | 0 | 0 | 0 | 10,558 | 19,870 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 3,361 | 0 | 0 | 5,515 | 1,732 | 0 | 0 | 20,232 | 138,894 | 149,248 | 318,982 |

9.11 Gross Fixed Capital Formation

The expenditure made on GFCF by establishments engaged in administrative and support service activities is reported in Table 9.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.2.8 billion.

Table 9.9: GFCF by Type of Assets and by PSIC (Rs. in ‘000’)

| PSIC | | Dwelling (Residential) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|---|---------------------------|---------------------------------------|-------------------------------|--------------------------------------|-----------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 173,794 | 62,539 | 2,563,540 | 28,087 | 2,827,960 |
| 77 | Rental and leasing activities | 173,794 | 53,920 | 2,068,327 | 21,534 | 2,317,575 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 8,619 | 495,213 | 6,553 | 510,385 |
| KP | | 0 | 9,298 | 380,373 | 2,106 | 391,777 |
| 77 | Rental and leasing activities | 0 | 8,538 | 212,340 | 120 | 220,998 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 761 | 168,033 | 1,986 | 170,779 |
| Punjab | | 0 | 9974 | 1429352 | 10569 | 1449895 |
| 77 | Rental and leasing activities | 0 | 7460 | 1244632 | 8295 | 1260388 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 2514 | 184720 | 2274 | 189507 |
| Sindh | | 173,794 | 43,266 | 736,057 | 13,764 | 966,881 |
| 77 | Rental and leasing activities | 173,794 | 37,922 | 611,021 | 13,118 | 835,855 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 0 | 5,344 | 125,037 | 645 | 131,026 |
| Balochistan | | 0 | 0 | 17,757 | 1,649 | 19,406 |
| 77 | Rental and leasing activities | 0 | 0 | 334 | 0 | 334 |
| 82 | Office administrative, office support and other business support activities | 0 | 0 | 17,424 | 1,649 | 19,073 |

From the industry point of view, the major contributions are from rental and leasing activities (Rs.2.3 billion), followed by office administrative, office support and other business support activities (Rs.510.4 million) with relative shares of 82% and 18% respectively. As far as product-wise expenditure on GFCF is concerned, the major chunk of GFCF has been reported under the

head of machinery and equipment, contributing 90.6% (Rs.2.07 billion) of the total GFCF. The expenditure on the dwelling (6.1%), other building and structure (2.2%) and intellectual property product (1%) stands at Rs.173.8 million, Rs.62.5 million and Rs.28.1 million respectively. The GFCF at the provincial level is also reported in Table 9.9. About 51.3% of the total GFCF related expenditure in administrative and support service activities has been reported by establishments in Punjab i.e. Rs.1.4 billion, 34.2% in Sindh (Rs.966.9 million), 13.9% in KP (Rs.391.8 million) and around 0.7% in Balochistan.

9.12 Summary Findings: Administrative and Support Service Industry

Summary findings of the study on administrative and support service activities 2016-17 are presented in Table 9.10. The total output at producer's prices in administrative and support service activities has been estimated at Rs.341.0 billion which becomes Rs.339.3 billion at basic prices after the deduction of net taxes on products amounting to Rs.1.8 billion. The total intermediate consumption at purchaser's prices is valued at Rs.14.1 billion. Resultantly, overall GVA at basic prices has been computed as Rs.325.1 billion. The contribution of employment activities towards overall GVA of the industry stands at Rs.300 billion i.e. 92.3% of the total followed by Rs.16.9 billion i.e. 5.2% in rental and leasing activities. The contribution of office administrative, office support and other business support activities is Rs.8.1 billion i.e. 2.5%.

The contribution of the provinces in the output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices is also presented in Table 9.10. The contribution of establishments based in Punjab in the overall GVA stands at 96.1%, i.e. Rs.312.4 billion, followed by Sindh, KP, and Balochistan with contributions worth Rs.8.1 billion (2.5%), Rs.4.4 million (1.3%) and Rs.173 million respectively.

Table 9.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|-------------|---|-----------------------------------|--|---------------------------|---|------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 341,032,079 | 1,773,583 | 339,258,496 | 14,145,430 | 325,113,066 |
| 77 | Rental and leasing activities | 22,702,779 | 7,227 | 22,695,552 | 5,789,043 | 16,906,509 |
| 78 | Employment activities | 302,926,870 | 1,764,889 | 301,161,981 | 1,125,483 | 300,036,498 |
| 80 | Security and investigation activities | 99,556 | 0 | 99,556 | 47,016 | 52,540 |
| 82 | Office administrative, office support and other business support activities | 15,302,874 | 1,467 | 15,301,408 | 7,183,889 | 8,117,519 |
| KP | | 6,311,615 | 718 | 6,310,897 | 1,925,282 | 4,385,616 |
| 77 | Rental and leasing activities | 3,780,842 | 718 | 3,780,124 | 947,649 | 2,832,475 |
| 78 | Employment activities | 64,389 | 0 | 64,389 | 10,866 | 53523 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 2,466,385 | 0 | 2,466,385 | 966,767 | 1,499,618 |
| Punjab | | 322,772,649 | 1,771,439 | 321,001,210 | 8,569,203 | 312,432,007 |
| 77 | Rental and leasing activities | 10,470,491 | 5,690 | 10,464,801 | 3,061,413 | 7,403,388 |
| 78 | Employment activities | 302,836,007 | 1,764,889 | 301,071,118 | 1,117,099 | 299,954,018 |
| 80 | Security and investigation activities | 99,556 | 0 | 99,556 | 36,150 | 63,405 |
| 82 | Office administrative, office support and other business support activities | 9,366,597 | 860 | 9,365,736 | 4,354,541 | 5,011,195 |
| Sindh | | 11,608,962 | 1,053 | 11,607,909 | 3,485,459 | 8,122,449 |
| 77 | Rental and leasing activities | 8,431,577 | 804 | 8,430,773 | 1,773,469 | 6,657,304 |
| 78 | Employment activities | 26,474 | 0 | 26,474 | 8,384 | 18,091 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 3,150,910 | 249 | 3,150,662 | 1,703,607 | 1,447,054 |
| Balochistan | | 338,852 | 372 | 338,480 | 165,485 | 172,994 |
| 77 | Rental and leasing activities | 19,870 | 15 | 19,855 | 6,513 | 13,342 |
| 78 | Employment activities | 0 | 0 | 0 | 0 | 0 |
| 80 | Security and investigation activities | 0 | 0 | 0 | 0 | 0 |
| 82 | Office administrative, office support and other business support activities | 318,982 | 358 | 318,625 | 158,973 | 159,652 |

**Table 9.11: Comparison of Output, IC and GVA in 2005-06 base and Survey
Results: Administrative and Support Service Activities**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 23,519 | 0 | 42,218 | 79.51 | - |
| Output at basic Prices (Rs. Million) | 5,551 | 3,610 | 339,258 | 6011.66 | 9296.97 |
| Intermediate at purchaser's Prices (Rs. Million) | 1,823 | 1,186 | 14,145 | 675.94 | 1092.85 |
| Gross Value Added at basic prices (Rs.Million) | 3,728 | 2,424 | 325,113 | 8620.84 | 13309.78 |
| GFCF (Rs.Million) | 675 | 439 | 2,828 | 318.96 | 543.96 |

Chapter 10 : Arts, Entertainment and Recreation Industry

10.1 Introduction

This chapter of the report contains results of “Arts, Entertainment and Recreation” activities, which are reported in Section R of PSIC-2010. This section has four Divisions including 90-Creative, arts and entertainment activities, 91-Libraries, archives, museums, and other cultural activities, 92-Gambling and betting activities and 93-Sports activities and amusement and recreation activities. As libraries, archives, museums and other cultural activities, and gambling and betting activities are very rare, particularly in the private sector, in Pakistan; therefore, these activities have not been covered. Hence, this chapter contains the results of creative, arts and entertainment activities and sports activities and amusement and recreation activities. The results are presented at the 3-digit level of the PSIC and can be used for economic analysis by academicians, researchers, and policymakers.

10.2 Coverage

10.2.1 Geographical Coverage

The distribution of establishments engaged in arts, entertainment, and recreational activities at national and provincial levels is presented in Table 10.1(a). According to the data total number of establishments engaged in arts, entertainment and recreation activities stands at 33905 out of which 28455 (83.9%) belong to Punjab, 3539 (10.4%) to Sindh, 1681 (5.0%) to KP and 231 (0.7%) to Balochistan respectively. The province-wise share is also presented in Figure 10.1. Most of the establishments belong to Punjab province followed by those in Sindh.

Table 10.1(a): Coverage by Province

| PSIC | Number of Establishments | |
|-------------|--------------------------|---------|
| | Total | % Share |
| Pakistan | 33,905 | 100.0 |
| KP | 1,681 | 5.0 |
| Punjab | 28,455 | 83.9 |
| Sindh | 3,539 | 10.4 |
| Balochistan | 231 | 0.7 |

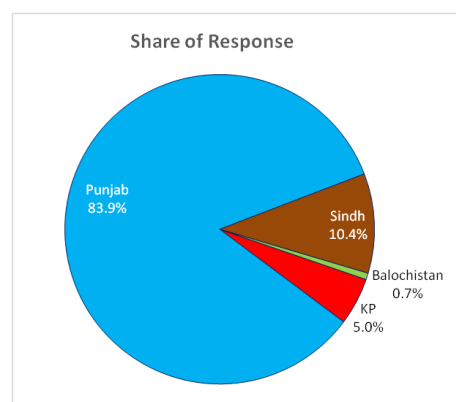


Figure 10.1: Coverage by Province

10.2.2 Industry-wise Coverage

The industry of creative, arts and entertainment activities (Division 90) includes the production and promotion of, and participation in, live performances, events or exhibits intended for public viewing; the provision of artistic, creative or technical skills for the production of artistic products and live performances. The industry of sports activities and amusement and recreation activities (Division 93) includes the provision of recreational, amusement and sports activities and excludes museums activities, preservation of historical sites, botanical and zoological

gardens and nature reserves activities; and gambling and betting activities. The industry-wise coverage of establishments engaged in arts, entertainment, and recreational activities is presented in Table 10.1(b). According to the data, the majority of the establishments i.e. 20593 out of 33905 (60.7%) are engaged in sports activities. Most of them i.e. 17928 is based in Punjab province followed by 2213 in Sindh, and 336 in KP. Operation of creative, arts and entertainment activities are carried out by 13312 (39.3%) establishments.

Table 10.1(b): Coverage by PSIC

| PSIC | | Number of Establishments | | | | |
|------|---|--------------------------|-------|--------|-------|-------------|
| | | Pakistan | KP | Punjab | Sindh | Balochistan |
| | | 33,905 | 1,681 | 28,455 | 3,539 | 231 |
| 900 | Creative, arts and entertainment activities | 13,312 | 1,344 | 10,527 | 1,326 | 115 |
| 931 | Sports activities | 20,593 | 336 | 17,928 | 2,213 | 116 |

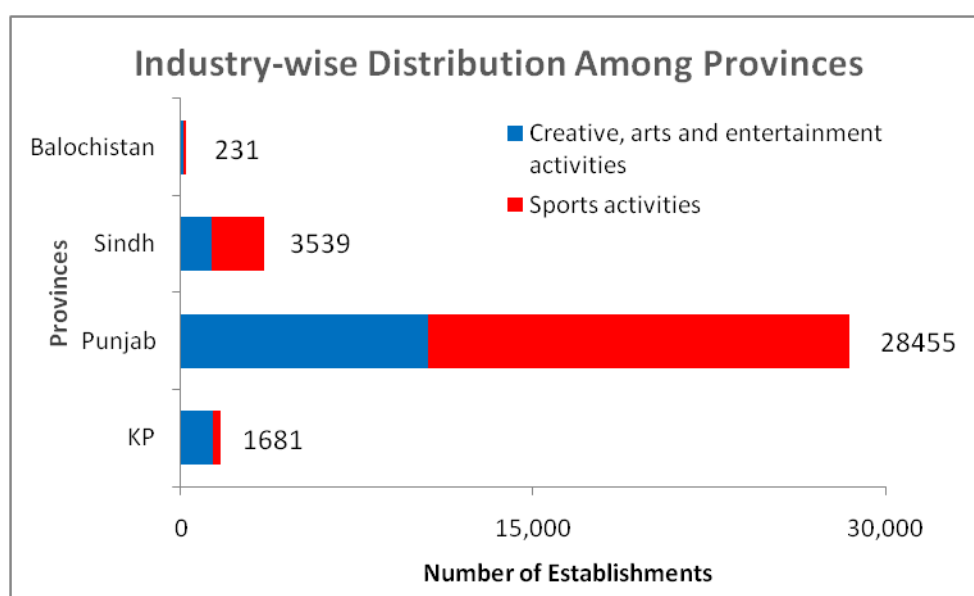


Figure 10.2: Industry-wise Coverage by Province

The industry-wise distribution of establishments by province is also presented in Figure 10.2 where the vertical axis represents the provinces whereas the horizontal axis shows the number of establishments engaged in various activities. It is evident from the figure that the majority of the establishments in Punjab and Sindh are working in sports facilities whereas in Balochistan and KP majority of establishments are engaged in the creative, arts and entertainment activities.

10.3 Seasonal Activities

The number of establishments with seasonal activity at national and provincial levels is reported in Table 10.2(a). According to the data, only 625 out of 33905 (1.8%) establishments operate on a seasonal basis and the majority work for the whole year. The number of seasonal

establishments in Punjab province stands at 609, out of which 156 being engaged in creative, arts and entertainment activities and 454 in sports activities.

Table 10.2(a): Number of Establishments with Seasonal Activity by PSIC

| PSIC | | Total | Number of Establishments with Seasonal Activity | | | | | % Seasonal (Total) |
|------|---|--------|---|----|--------|-------|-------------|---------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | | | | | | | |
| | | 33,905 | 625 | 0 | 609 | 0 | 15 | 1.8% |
| 900 | Creative, arts and entertainment activities | 13,312 | 171 | 0 | 156 | 0 | 15 | 1.3% |
| 931 | Sports activities | 20,593 | 454 | 0 | 454 | 0 | 0 | 2.2% |

In Balochistan, only 15 establishments carry out seasonal activities and all of them are engaged in creative, arts and entertainment activities. No seasonal activity has been reported in KP and Sindh.

Registration Status

The summary of the registration status of establishments at national and provincial levels is presented in Table 10.2(b). According to the data, only 700 (2.1%) establishments were reported to be registered with government agencies. Among those registered, 689 (98.5%) and 11 (1.5%) belonged to Punjab and KP provinces respectively. No establishment was reported to be registered in Sindh and Balochistan. From the industry point of view, among those registered, 123 were engaged in creative, arts and entertainment activities and 577 in sports activities.

Table 10.2(b): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|---|--------|-------------------------------------|----|--------|-------|-------------|-----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | | | | | | | |
| | | 33,905 | 700 | 11 | 689 | 0 | 0 | 2.1% |
| 900 | Creative, arts and entertainment activities | 13,312 | 123 | 0 | 123 | 0 | 0 | 0.9% |
| 931 | Sports activities | 20,593 | 577 | 11 | 566 | 0 | 0 | 2.8% |

10.5 Maintenance of Accounts

The summary of establishments maintaining accounts at national and provincial levels is provided in Table 10.2(c). According to the results, only 213 (0.6%) establishments engaged in arts, entertainment, and recreation service activities are maintaining their accounts. Among the establishments maintaining their accounts 202 belong to Punjab province whereas the remaining 11 were reported from KP. No establishment has been reported to maintain their accounts in Sindh and Balochistan. Moreover, only 0.7% (88 out of 13312) of the establishments engaged in creative, arts and entertainment activities are maintaining their accounts. The number of establishments maintaining their accounts and engaged in sports activities is 125 units.

Table 10.2(c): Number of Establishment Maintaining Accounts by PSIC

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintain Accounts |
|------|---|--------|---|----|--------|-------|-------------|---------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 33905 | 213 | 11 | 202 | 0 | 0 | 0.6 |
| 900 | Creative, arts and entertainment activities | 13312 | 88 | 0 | 88 | 0 | 0 | 0.7 |
| 931 | Other sports activities | 20,467 | 125 | 11 | 115 | 0 | 0 | 0.6 |

10.6 Type of Ownership in Art, Entertainment, and Recreation Industry

The number of establishments by type of organization at national and provincial levels is reported in Table 10.3(a). According to the data, individual ownership accounts for the operation of 33011 (97.4%) out of 33905 establishments engaged in arts, entertainment, and recreational activities. The partnership is the second most common form of ownership i.e. 2.4% among establishments. The remaining 0.3% of establishments operates under Cooperatives, Private Limited companies, and Public Limited companies.

Further details on the ownership structure of the establishments classified by industry are given in Table 10.3(b). According to the table, the percentage of individual ownership in various industries including creative, arts and entertainment activities and sports activities stands at 97.3% and 97.4% respectively, followed by the partnerships at 2.7% and 2.2% in order.

Table 10.3(a): Number of Establishments by Type of Organization

| | Pakistan | KP | Punjab | Sindh | Balochistan |
|--------------------------|----------|-------|--------|-------|-------------|
| Type of Ownership | 33,905 | 1,681 | 28,455 | 3,539 | 231 |
| Individual Ownership | 33,011 | 1,559 | 27,773 | 3,454 | 225 |
| Partnership | 807 | 122 | 618 | 67 | |
| Cooperative | 29 | | 0 | | 6 |
| Private Ltd. Co. | 53 | | 29 | | |
| Public Ltd. Co. | 6 | | 35 | 18 | |

Table 10.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Cooperative | Private Ltd. Co. | Public Ltd. Co. |
|------|---|----------|----------------------|-------------|-------------|------------------|-----------------|
| | | 33,905 | 33,011 | 807 | 6 | 29 | 53 |
| 900 | Creative, arts and entertainment activities | 13,312 | 12,953 | 359 | | | |
| 931 | Sports activities | 20,593 | 20,058 | 448 | 6 | 29 | 53 |

10.7 Employment by Type and Gender

Employment in the arts, entertainment and recreational activities by type and gender at national and provincial levels is presented in Table 10.4(a). According to the results, total number of persons engaged in the arts and entertainment industry during the reference period is 57006 out of which 35381 (62.1%) are working proprietors, 417 (0.7%) are managers and professionals, 6336 (11.1%) are unpaid family workers, 2370 (4.2%) are technicians and associate professionals and 12502 (21.9%) are other employees (Figure 10.3).

From the gender point of view, arts, entertainment, and recreation industry are highly dominated by male employees, which accounts for 99.5% i.e. 56732 and the remaining 274 (0.5%) employees are female. The province-wise distribution of employment suggests that (4021) 7.1% of the employees belong to KP out of which 2615 are working as the working proprietor, 32 managers and professionals, 220 unpaid family workers, 43 technicians, and associate professionals. The majority of the employees i.e. 46131 (80.9%) belong to Punjab province out of which 29019 are working proprietors followed by other employees (9348), unpaid family workers (5098), technicians and associate professionals (2283) and managers and professionals (383). The share of Sindh province in total employment in arts, entertainment, and recreation industry stands at 11.3% i.e. 6414 out of which 3516 are working proprietors followed by 916 unpaid family workers, 38 technicians and associate professionals and 1944 other employees. The total number of working proprietors, managers and professionals, unpaid family workers, technicians, and associate professionals and other employees in Balochistan stands at 231, 2, 102, 5 and 99 respectively.

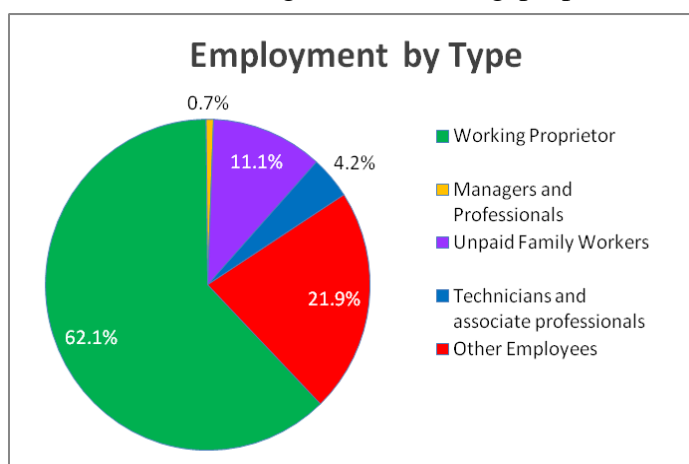


Figure 10.3: Employment by Type

Further detail of the number of persons engaged in arts, entertainment and recreation at 3-digits of PSIC at national and provincial levels by gender disaggregation is presented in Table 10.4(b). The number of employees in establishments engaged in creative, arts and entertainment activities stands at 28725, followed by those engaged in sports activities (28280). Creative, arts and entertainment activities have emerged as the leading employment providers in KP (2951), Sindh (3251) and Balochistan (234).

Table 10.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|---|-------------|---------------|--------------|
| Pakistan | 56732 | 274 | 57006 |
| Working Proprietor | 35,360 | 21 | 35,381 |
| Managers and Professionals | 417 | 0 | 417 |
| Unpaid Family Workers | 6,105 | 232 | 6,336 |
| Technicians and associate professionals | 2,370 | 0 | 2,370 |
| Other Employees | 12,480 | 22 | 12,502 |
| KP | 4000 | 22 | 4021 |
| Working Proprietor | 2615 | 0 | 2615 |
| Managers and Professionals | 32 | 0 | 32 |
| Unpaid Family Workers | 220 | 0 | 220 |
| Technicians and associate professionals | 43 | 0 | 43 |
| Other Employees | 1090 | 22 | 1112 |
| Punjab | 45879 | 252 | 46131 |
| Working Proprietor | 28998 | 21 | 29019 |
| Managers and Professionals | 383 | 0 | 383 |
| Unpaid Family Workers | 4867 | 232 | 5098 |
| Technicians and associate professionals | 2283 | 0 | 2283 |
| Other Employees | 9348 | 0 | 9348 |
| Sindh | 6414 | 0 | 6414 |
| Working Proprietor | 3516 | 0 | 3516 |
| Managers and Professionals | 0 | 0 | 0 |
| Unpaid Family Workers | 916 | 0 | 916 |
| Technicians and associate professionals | 38 | 0 | 38 |
| Other Employees | 1944 | 0 | 1944 |
| Balochistan | 439 | 0 | 439 |
| Working Proprietor | 231 | 0 | 231 |
| Managers and Professionals | 2 | 0 | 2 |
| Unpaid Family Workers | 102 | 0 | 102 |
| Technicians and associate professionals | 5 | 0 | 5 |
| Other Employees | 99 | 0 | 99 |

Table 10.4(b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managers and Professionals | | | Unpaid Family Workers | | |
|-------------|---|---|--------|--------|----------------------------|--------|--------|-----------------------|--------|--------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Pakistan | | 35,360 | 21 | 35,381 | 417 | 0 | 417 | 6,105 | 232 | 6,336 |
| 900 | Creative, arts and entertainment activities | 14,292 | 0 | 14,292 | 222 | 0 | 222 | 3,017 | 0 | 3,017 |
| 931 | Sports activities | 21,067 | 21 | 21,088 | 195 | 0 | 195 | 3,088 | 232 | 3,320 |
| KP | | 2,615 | 0 | 2,615 | 32 | 0 | 32 | 220 | 0 | 220 |
| 900 | Creative, arts and entertainment activities | 2,249 | 0 | 2,249 | 0 | 0 | 0 | 190 | 0 | 190 |
| 931 | Sports activities | 366 | 0 | 366 | 33 | 0 | 33 | 30 | 0 | 30 |
| Punjab | | 28,998 | 21 | 29,019 | 383 | 0 | 383 | 4,867 | 232 | 5,098 |
| 900 | Creative, arts and entertainment activities | 10,626 | 0 | 10,626 | 220 | 0 | 220 | 2,449 | 0 | 2,449 |
| 931 | Sports activities | 18,372 | 21 | 18,393 | 163 | 0 | 163 | 2,417 | 232 | 2,649 |
| Sindh | | 3,516 | 0 | 3,516 | 0 | 0 | 0 | 916 | 0 | 916 |
| 900 | Creative, arts and entertainment activities | 1,304 | 0 | 1,304 | 0 | 0 | 0 | 331 | 0 | 331 |
| 931 | Sports activities | 2213 | 0 | 2213 | 0 | 0 | 0 | 585 | 0 | 585 |
| Balochistan | | 231 | 0 | 231 | 2 | 0 | 2 | 102 | 0 | 102 |
| 900 | Creative, arts and entertainment activities | 115 | 0 | 115 | 2 | 0 | 2 | 47 | 0 | 47 |
| 931 | Sports activities | 116 | 0 | 116 | 0 | 0 | 0 | 55 | 0 | 55 |
| | | Technicians and associate professionals | | | Other Employees | | | Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 2,370 | 0 | 2,370 | 12,480 | 22 | 12,502 | 56,732 | 274 | 57,006 |
| 900 | Creative, arts and entertainment activities | 2,052 | 0 | 2,052 | 9,141 | 0 | 9,141 | 28,725 | 0 | 28,725 |
| 931 | Sports activities | 318 | 0 | 318 | 3339 | 22 | 3361 | 28006 | 275 | 28,280 |
| KP | | 43 | 0 | 43 | 1,090 | 22 | 1,112 | 4,000 | 22 | 4,021 |
| 900 | Creative, arts and entertainment activities | 0 | 0 | 0 | 512 | 0 | 512 | 2,951 | 0 | 2,951 |
| 931 | Sports activities | 43 | 0 | 43 | 578 | 22 | 600 | 1050 | 22 | 1071 |
| Punjab | | 2,283 | 0 | 2,283 | 9,348 | 0 | 9,348 | 45,879 | 252 | 46,131 |
| 900 | Creative, arts and entertainment activities | 2,009 | 0 | 2,009 | 6,987 | 0 | 6,987 | 22,290 | 0 | 22,290 |
| 931 | Sports activities | 275 | 0 | 275 | 2,361 | 0 | 2,361 | 23,588 | 253 | 23,840 |
| Sindh | | 38 | 0 | 38 | 1,944 | 0 | 1,944 | 6,414 | 0 | 6,414 |
| 900 | Creative, arts and entertainment activities | 38 | 0 | 38 | 1,578 | 0 | 1,578 | 3,251 | 0 | 3,251 |
| 931 | Sports activities | 0 | 0 | 0 | 365 | 0 | 365 | 3163 | 0 | 3163 |
| Balochistan | | 5 | 0 | 5 | 99 | 0 | 99 | 439 | 0 | 439 |
| 900 | Creative, arts and entertainment activities | 5 | 0 | 5 | 65 | 0 | 65 | 234 | 0 | 234 |
| 931 | Sports activities | 0 | 0 | 0 | 34 | 0 | 34 | 205 | 0 | 205 |

10.8 Employment Cost

Employment cost incurred by establishments engaged in arts, entertainment, and recreational activities at national and provincial levels is presented in Table 10.5. Employment cost has been estimated at a detailed industry level i.e. 3-digits of the PSIC, including wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. According to the results, expenditure on employment cost in arts, entertainment, and the recreational industry is Rs.3.6 billion including Rs.3.4 billion wages & salaries in cash, Rs.11.4 million on other cash payments and Rs.223.3 million on payments in kind i.e. non-cash benefits.

The industry-wise distribution of employment cost suggests that employment cost in creative, arts and entertainment activities stands at Rs.2.4 billion including Rs.2.23 billion wages & salaries in cash, Rs.7.1 million on other cash payments and Rs.163.8 million on payments in kind. The employment cost incurred by establishments engaged in sports activities stands at Rs.1.24 billion out of which Rs.1.18 billion were paid in wages & salaries in cash, Rs.4.4 million on other cash payments and Rs.59.4 million in non-cash benefits.

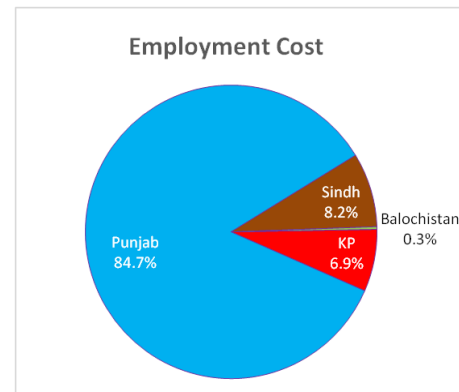


Figure 10.4: Employment Cost by Province

The province-wise break-up of employment cost by establishments engaged in arts, entertainment, and recreation activities are also reported in Table 10.5.

Table 10.5: Employment Cost by PSIC (Rs.'000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In-Kind (Non- Cash Benefits) | Total |
|--------------------|---|------------------|---------------------|--------------------------------------|------------------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 3,413,674 | 11,428 | 223,308 | 3,648,409 |
| 900 | Creative, arts and entertainment activities | 2,235,825 | 7,070 | 163,852 | 2,406,747 |
| 931 | Sports activities | 1,177,849 | 4,358 | 59,455 | 1,241,662 |
| KP | | 211,602 | - | 38,434 | 250,036 |
| 900 | Creative, arts and entertainment activities | 111,512 | 0 | 31,470 | 142,981 |
| 931 | Sports activities | 100,091 | 0 | 6,965 | 107,055 |
| Punjab | | 2,898,680 | 10,839 | 179,882 | 3,089,401 |
| 900 | Creative, arts and entertainment activities | 1,864,786 | 6,481 | 130,693 | 2,001,962 |
| 931 | Sports activities | 1,033,894 | 4,358 | 49,188 | 1,087,440 |
| Sindh | | 293,808 | 589 | 3,960 | 298,357 |
| 900 | Creative, arts and entertainment activities | 253,878 | 589 | 1,327 | 255,793 |
| 931 | Sports activities | 39,930 | 0 | 2,633 | 42,563 |
| Balochistan | | 9,584 | - | 1,032 | 10,615 |
| 900 | Creative, arts and entertainment activities | 5,649 | 0 | 363 | 6,012 |
| 931 | Sports activities | 3,934 | 0 | 669 | 4,603 |

According to the data, the employment cost of establishments located in Punjab province stands at Rs.3.1 billion followed by Rs.298.4 million in Sindh, Rs.250 million in KP and Rs.10.6 million (less than 1%) in Balochistan. The provincial shares in employment cost are also reported in Figure 10.4. According to the figure, the highest employment cost has been reported by establishments located in Punjab i.e. 84.7% followed by those in Sindh (8.2%) and KP (6.9%).

In Punjab province, 64.8% of the employment cost is incurred by establishments engaged in creative, arts and entertainment activities and 35.2% in sports activities. In Sindh province, around 85.7% of employment cost is incurred in creative, arts and entertainment activities and 14.3% in sports activities. In KP, employment cost in creative, arts and entertainment activities is 57.2% and 42.8% in sports activities. In Balochistan, around 56.6% of the cost is incurred by establishments engaged in creative, arts and entertainment activities and 43.4% by those engaged sports activities.

10.9 Input Cost by Industries and Products

The product-wise detail of expenditures incurred in arts, entertainment, and recreation industry is presented in Table 10.6(a). According to the data, total expenditure on inputs by establishments engaged in the aforementioned industry amounts to Rs.5.0 billion.

Table 10.6(a): Input Cost by Product

| Items of Expenditure | Codes | (Rs. in '000') | % share |
|---|-------|------------------|------------|
| Accounting, secretarial and audit fees | 401 | 387 | 0 |
| Advertising and promotion | 402 | 21,139 | 0.4 |
| Bank charges | 403 | 11,056 | 0.2 |
| Electricity Charges | 404 | 727,917 | 14.5 |
| Entertainment Charges | 405 | 329,647 | 6.5 |
| Expenditure on stationery and office supplies | 406 | 40,890 | 0.8 |
| Expenditure on prepared food including grocery | 407 | 54,125 | 1.1 |
| Expenditure on sports goods (Balls, bats, rackets, uniforms, etc.) | 408 | 70,791 | 1.4 |
| Expenditure on uniforms | 409 | 21,246 | 0.4 |
| Fuel and Lubricants | 410 | 165,657 | 3.3 |
| Gas Charges | 411 | 1,884 | 0 |
| Insurance Premium | 412 | 47,058 | 0.9 |
| Interest paid | 413 | 48,058 | 1 |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | 3,381 | 0.1 |
| Material for repair and maintenance | 415 | 492,005 | 9.8 |
| Payment for current repair & maintenance work by others on the establishment's fixed assets | 416 | 238,178 | 4.7 |
| Payment for data processing and other services related to information technology | 417 | 100,420 | 2 |
| Payment for other professional services (e.g. engineering, consultancy fees, etc.) | 418 | 8,465 | 0.2 |
| Payment for security services | 419 | 29,399 | 0.6 |
| Postage/Courier | 420 | 6,545 | 0.1 |
| Rent of Building | 421 | 1,397,525 | 27.8 |
| Telephone/Fax/Telegraph/ Internet | 422 | 190,391 | 3.8 |
| Transportation Charges | 423 | 78,483 | 1.6 |
| Travel Expenses | 424 | 115,570 | 2.3 |
| Water Charges | 425 | 45,636 | 0.9 |
| Other Expenditure n.e.c. | 426 | 788,299 | 15.7 |
| Total | | 5,034,152 | 100 |

As per details of product-wise expenditure, the major part of the expenditure relates to rent of building which is Rs.1.4 billion i.e. 27.8% of the total expenses. The expenses on others category stands at Rs.788.3 million i.e. 15.7%, followed by Rs.727.9 million (14.5%) on electricity charges, Rs.492 million (9.8%) on material for repair and maintenance, Rs.329.6 million (6.5%) on entertainment charges, Rs.238.2 million (4.7%) on payment by repair and maintenance work done by others on this establishment's fixed assets, Rs.190.4 million (3.8%) on telephone and internet, etc., Rs.165.7 million (3.3%) on fuel and lubricants, Rs.155.6 million (2.3%) on travel expense, Rs.100.4 million (2.0%) on payment for data processing and IT, etc., Rs.78.5 million (1.6%) on transportation charges, Rs.70.8 million (1.4%) on expenditure on sports goods, Rs.54.1 million (1.1%) on expenditure done on prepared food and Rs.48.1 million (1%) on interest paid. The remaining 4.7% of the expenses are on water charges, insurance premium, payment for other professional services, expenditure on stationery and office supplies, payment for security services, postage/ courier, advertising and promotion, expenditure on uniforms, bank charges, legal and professional expenses, gas charges and accounting, secretarial and audit fees combined.

The province-wise detail of inputs by PSIC is reported in Tables 10.6(b). According to the data, input cost incurred by establishments engaged in creative, arts and entertainment activities stands at Rs.2.7 billion i.e. 53.5% followed by Rs.2.3 billion (46.5%) in sports activities.

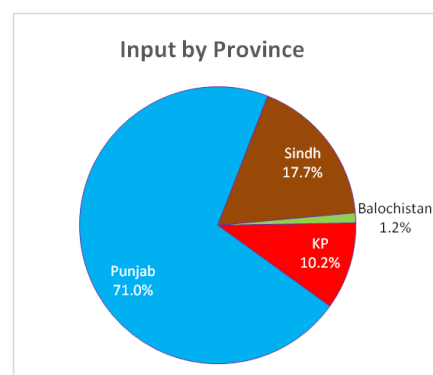


Figure 10.5: Intermediate Consumption by Province

The provincial break-up of input cost suggests that most of the expenditures i.e. Rs.3.6 billion have been incurred by establishments based in Punjab province followed by Rs.0.9 billion in Sindh, Rs.0.5 billion in KP and Rs.0.06 billion in Balochistan. The province-wise share in input cost is also presented in Figure 10.5. The data suggest that the share of establishment belonging to Punjab province in total input stands at 71.0% followed by 17.7%, 10.2% and 1.2% in Sindh, KP, and Balochistan respectively (Figure 10.5).

Table 10.6(b): Input Cost by PSIC and Product (Rs. in '000')

| PSIC | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 |
|---|-----|-------|-------|--------|--------|-------|-------|-------|-------|--------|------|-------|-------|------|--------|
| Pakistan | 387 | 21139 | 11056 | 727917 | 329647 | 40890 | 54125 | 70791 | 21246 | 165657 | 1884 | 47058 | 48058 | 3381 | 492005 |
| 900 Creative, arts and entertainment activities | 0 | 11191 | 4626 | 278314 | 151775 | 31773 | 38994 | 0 | 20216 | 124395 | 829 | 47058 | 48058 | 3381 | 332303 |
| 931 Sports activities | 387 | 9948 | 6430 | 449602 | 177872 | 9118 | 15131 | 70792 | 1029 | 41262 | 1055 | 0 | 0 | 0 | 159701 |
| KP | 387 | 2547 | 129 | 70030 | 23144 | 7846 | 22580 | 12693 | 903 | 38324 | 427 | 0 | 0 | 2235 | 72837 |
| 900 Creative, arts and entertainment activities | 0 | 224 | 0 | 27458 | 11440 | 6712 | 22266 | 0 | 0 | 18470 | 0 | 0 | 0 | 2235 | 16218 |
| 931 Other sports activities | 387 | 2323 | 129 | 42572 | 11704 | 1134 | 314 | 12693 | 903 | 19853 | 427 | 0 | 0 | 0 | 56620 |
| Punjab | 0 | 10771 | 9807 | 561378 | 240214 | 28139 | 21180 | 38339 | 20274 | 61333 | 747 | 46864 | 42 | 1146 | 335414 |
| 900 Creative, arts and entertainment activities | 0 | 6055 | 4626 | 214593 | 113396 | 20268 | 11045 | 0 | 20148 | 46915 | 747 | 46864 | 42 | 1146 | 250056 |
| 931 Other sports activities | 0 | 4715 | 5181 | 346785 | 126819 | 7872 | 10135 | 38340 | 126 | 14418 | 0 | 0 | 0 | 0 | 85359 |
| Sindh | 0 | 6697 | 1120 | 91805 | 59922 | 4428 | 6598 | 19110 | 0 | 62414 | 0 | 0 | 48016 | 0 | 71962 |
| 900 Creative, arts and entertainment activities | 0 | 4469 | 0 | 34292 | 24471 | 4315 | 4136 | 0 | 0 | 57334 | 0 | 0 | 48016 | 0 | 56474 |
| 931 Other sports activities | 0 | 2228 | 1120 | 57513 | 35451 | 113 | 2463 | 19110 | 0 | 5080 | 0 | 0 | 0 | 0 | 15488 |
| Balochistan | 0 | 1125 | 0 | 4703 | 6368 | 477 | 3767 | 649 | 68 | 3586 | 710 | 194 | 0 | 0 | 11791 |
| 900 Creative, arts and entertainment activities | 0 | 444 | 0 | 1971 | 2469 | 477 | 1547 | 0 | 68 | 1676 | 81 | 194 | 0 | 0 | 9555 |
| 931 Other sports activities | 0 | 681 | 0 | 2733 | 3899 | 0 | 2221 | 649 | 0 | 1910 | 628 | 0 | 0 | 0 | 2236 |

Note: Please See Table 10.6(a) for description of product codes

Table 10.6(b): Input Costs by PSIC and Product (Rs. in '000')

| PSIC | | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | Total |
|-------------|---|--------|--------|------|-------|------|---------|--------|-------|--------|-------|--------|---------|
| Pakistan | | 238178 | 100420 | 8465 | 29399 | 6545 | 1397525 | 190391 | 78483 | 115570 | 45636 | 788299 | 5034152 |
| 900 | Creative, arts and entertainment activities | 81056 | 63717 | 7904 | 3118 | 5326 | 510426 | 126527 | 63661 | 89225 | 24972 | 624063 | 2692908 |
| 931 | Sports activities | 157122 | 36702 | 561 | 26282 | 1219 | 887099 | 63864 | 14823 | 26344 | 20663 | 164236 | 2341244 |
| KP | | 21170 | 0 | 738 | 20928 | 0 | 96834 | 19928 | 7785 | 6592 | 8030 | 77795 | 513882 |
| 900 | Creative, arts and entertainment activities | 2661 | 0 | 221 | 65 | 0 | 41175 | 17035 | 5857 | 5002 | 8030 | 71119 | 256190 |
| 931 | Sports activities | 18509 | 0 | 516 | 20651 | 0 | 20959 | 516 | 774 | 516 | 0 | 5806 | 158580 |
| Punjab | | 193272 | 58080 | 45 | 2881 | 2297 | 1151019 | 138990 | 43031 | 75618 | 20580 | 510445 | 3571904 |
| 900 | Creative, arts and entertainment activities | 70381 | 21378 | 0 | 184 | 1078 | 401254 | 95911 | 33061 | 56373 | 12832 | 385952 | 1814303 |
| 931 | Sports activities | 122891 | 4833 | 45 | 30 | 0 | 67921 | 10663 | 287 | 167 | 4351 | 4617 | 171028 |
| Sindh | | 22157 | 42076 | 7683 | 5084 | 4248 | 133272 | 29346 | 26810 | 33029 | 16578 | 197823 | 890177 |
| 900 | Creative, arts and entertainment activities | 7508 | 42076 | 7683 | 2726 | 4248 | 62047 | 12437 | 24147 | 27519 | 4110 | 165202 | 593208 |
| 931 | Sports activities | 14650 | 0 | 0 | 1138 | 0 | 24222 | 2225 | 0 | 0 | 1706 | 8557 | 81894 |
| Balochistan | | 1579 | 264 | 0 | 506 | 1 | 16399 | 2127 | 858 | 331 | 447 | 2237 | 58189 |
| 900 | Creative, arts and entertainment activities | 507 | 264 | 0 | 142 | 0 | 5950 | 1145 | 596 | 331 | 0 | 1790 | 29207 |
| 931 | Sports activities | 1072 | 0 | 0 | 78 | 0 | 698 | 78 | 0 | 0 | 78 | 233 | 3639 |

Note: Please see Table 10.6(a) for the description of product codes

10.10 Taxes and Depreciation

The details of taxes paid and depreciation charged by the establishments engaged in arts, entertainment, and the recreational industry are presented in Table 10.7. The taxes have been divided into sub-categories, such as GST, motor vehicle/land tax, excise/import duty, provincial/district taxes, and other taxes. The total taxes paid by the arts, entertainment, and recreational industry amounts to Rs.13.8 million out of which 67.1% i.e. Rs.9.3 million was paid on account of provincial/district taxes followed by 27.8% (Rs.2.4 million) on other taxes, 3.3% on GST and 1.8% on motor vehicle/land taxes. The total depreciation charged during the financial year 2016-17 by establishments engaged in arts, entertainment, and recreation industry stands at Rs.18.7 million.

The provincial shares in taxes stand at 90.1%, 6.4% and 3.5% for Punjab, Sindh, and KP respectively. No payment on account of taxes has been reported from establishments based in Baluchistan province. Further, industry-wise payments of taxes are also presented in Figure 10.6. As is evident from the figure, major contribution in taxes comes from establishments engaged in creative, arts and entertainment activities.

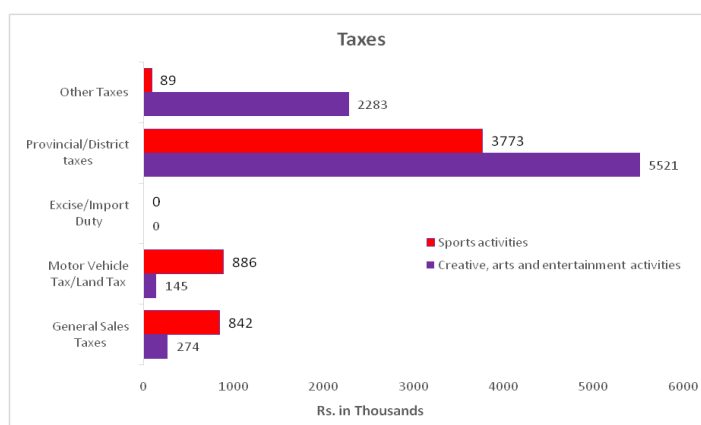
**Figure 10.6: Taxes by Industry**

Table 10.7: Taxes and Depreciation by PSIC (Rs. in '000')

| PSIC | | General Sales Taxes | Motor Vehicle Tax/Land Tax | Excise/Import Duty | Provincial/District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|---|---------------------|----------------------------|--------------------|---------------------------|-------------|-------------|--------------|
| | | 501 | 502 | 503 | 504 | 505 | | 506 |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 1,116 | 1,031 | 0 | 9,295 | 2,372 | 13,814 | 18,698 |
| 900 | Creative, arts and entertainment activities | 274 | 145 | 0 | 5,521 | 2,283 | 8,223 | 320 |
| 931 | Sports activities | 842 | 886 | 0 | 3773 | 89 | 5591 | 18378 |
| KP | | 0 | 0 | 0 | 479 | 0 | 479 | 52 |
| 900 | Creative, arts and entertainment activities | - | - | - | - | - | - | - |
| 931 | Sports activities | 0 | 0 | 0 | 479 | 0 | 479 | 52 |
| Punjab | | 1001 | 886 | 0 | 8336 | 2226 | 12450 | 18639 |
| 900 | Creative, arts and entertainment activities | 159 | 0 | 0 | 5041 | 2150 | 7351 | 313 |
| 931 | Sports activities | 842 | 886 | 0 | 3295 | 75 | 5099 | 18326 |
| Sindh | | 115 | 145 | 0 | 480 | 146 | 886 | 7 |
| 900 | Creative, arts and entertainment activities | 115 | 145 | 0 | 480 | 133 | 872 | 7 |
| 931 | Sports activities | 0 | 0 | 0 | 0 | 14 | 14 | 0 |
| Balochistan | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 900 | Creative, arts and entertainment activities | - | - | - | - | - | - | - |
| 931 | Sports activities | - | - | - | - | - | - | - |

10.11 Output by Industry and Product

The output in arts, entertainment and recreational industry by products has been reported in Table 10.8(a) along with the list of items, their codes, revenue generated and percentage shares. According to the data, total earnings generated by establishments in arts, entertainment, and recreation industry during 2016-17 amounts to Rs.16.1 billion. From the product point of view, major contribution comes from income from services rendered i.e. Rs.6.1 billion (38.1%) and other incomes i.e. Rs.6.6 billion (41.0%). 14.3% of the total revenue is generated by income from sales of tickets/entrance fees i.e. Rs.2.3 billion, followed by income from rent of buildings and grounds worth of Rs.508.9 million (3.2%), income from membership fee Rs.461.7 million (2.9%), income from management services Rs.75.3 million (0.5%) and commission and brokerage earned worth of Rs.26.5 million (0.2%).

Table 10.8(a): Output by Products

| Items of Revenue | Codes | (Rs. in '000') | % Share |
|---|-------|----------------|---------|
| Income from services rendered | 601 | 6,135,217 | 38.1 |
| Income from sales of tickets/entrance fees | 602 | 2,300,652 | 14.3 |
| Income from membership fees | 603 | 461,725 | 2.9 |
| Income from management services | 604 | 75,325 | 0.5 |
| Commission and brokerage earned | 605 | 26,489 | 0.2 |
| Income from the rent of buildings and grounds | 606 | 508,903 | 3.2 |
| Other Income | 607 | 6,594,926 | 41.0 |
| Total | 600 | 16,103,239 | 100.0 |

Table 10.8(b): Output by PSIC and Product (Rs. in '000')

| PSIC | | Income from services rendered | Income from sales of tickets/entrance fees | Income from membership fees | Income from management services | Commission and brokerage earned | Income from the rent of buildings and grounds | Other Income | Total |
|-------------|---|-------------------------------|--|-----------------------------|---------------------------------|---------------------------------|---|--------------|------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Pakistan | | 6,135,217 | 2,300,652 | 461,725 | 75,325 | 26,489 | 508,903 | 6,594,926 | 16,103,239 |
| 900 | Creative, arts and entertainment activities | 3,761,600 | 348,688 | 145,546 | 55,979 | 26,489 | 423,289 | 3,960,828 | 8,722,418 |
| 931 | Sports activities | 2,373,617 | 1,951,964 | 316,181 | 19,347 | 0 | 85,615 | 2,634,097 | 7,380,820 |
| KP | | 360,294 | 268,331 | 43,007 | 0 | 16,974 | 115,910 | 640,042 | 1,444,558 |
| 900 | Creative, arts and entertainment activities | 182,489 | 0 | 0 | 0 | 16,974 | 95,173 | 567,718 | 862,354 |
| 931 | Sports activities | 177,805 | 268,330 | 43,007 | 0 | 0 | 20,737 | 72,324 | 582,204 |
| Punjab | | 4,810,090 | 1,266,711 | 260,836 | 50,585 | 7,964 | 333,348 | 4,536,209 | 11,011,934 |
| 900 | Creative, arts and entertainment activities | 2,869,356 | 328,488 | 145,545 | 46,619 | 7,964 | 328,116 | 2,754,201 | 6,480,289 |
| 931 | Sports activities | 1,940,734 | 1,591,827 | 225,291 | 3,966 | 0 | 52,392 | 2,105,682 | 5,919,890 |
| Sindh | | 928,374 | 107,429 | 16,073 | 23,913 | 1,422 | 12,486 | 1,039,870 | 2,129,566 |
| 900 | Creative, arts and entertainment activities | 677,960 | 20,200 | 0 | 8,532 | 1,422 | 0 | 608,449 | 1,316,562 |
| 931 | Sports activities | 250,414 | 87,230 | 16,073 | 15,381 | 0 | 12,486 | 431,421 | 813,004 |
| Balochistan | | 36,459 | 4,578 | 31,810 | 827 | 129 | - | 55,132 | 128,936 |
| 900 | Creative, arts and entertainment activities | 31,795 | 0 | 0 | 827 | 129 | 0 | 30,462 | 63,213 |
| 931 | Sports activities | 4,664 | 4,578 | 31,810 | 0 | 0 | 0 | 24,670 | 65,722 |

Note: Please see Table 10.8(a) for the description of product codes

The detailed output by product and PSIC at national and provincial levels in arts, entertainment, and recreation industry is given in Table 10.8(b). According to the data, the value of output by establishments engaged in creative, arts and entertainment activities stands at Rs.8.7 billion (54.2%) followed by Rs.7.4 billion (45.8%) in other sports activities.

The province-wise shares in the output stand at Rs.12.4 billion in Punjab followed by Rs.2.1 billion, Rs.1.44 billion and Rs.0.13 billion in Sindh, KP and Balochistan respectively. The provincial shares are also presented in Figure 10.7. The share of establishments based in Punjab province stands at 77.0% followed by 13.2% in Sindh, 9.0% in KP and 0.8% in Balochistan.

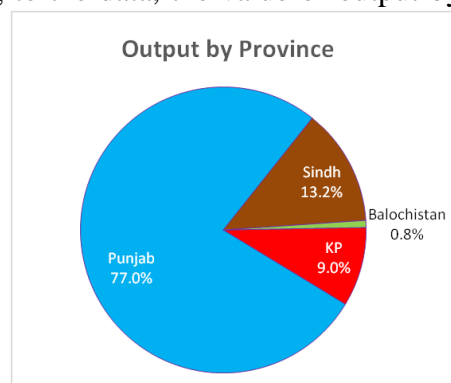


Figure 10.7: Province-wise Share in Output

10.12 Gross Fixed Capital Formation

GFCF is the net capital accumulation of the fixed asset during an accounting period. The expenditure made on GFCF by establishments engaged in arts, entertainment, and recreational activities is reported in Table 10.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.1.85 billion. The major contribution is from sports activities (Rs.1.6 billion) that constitute around 86.3% of the total GFCF. GFCF reported by establishments engaged in the operation of creative, arts and entertainment activities stands at Rs.254.1 million contributing to the GFCF by 13.7%.

As far as product-wise expenditure on GFCF is concerned, the major chunk of GFCF (Rs.1.6 billion) has been reported under the head of machinery and equipment, which is about 85% of the total GFCF of the industry. The expenditure on other buildings and structure stands at Rs.274.7 million (14.8%) and on intellectual property, the product is Rs.4.8 million (0.3%). From the provincial point of view, 78.1% of the total GFCF i.e. Rs.1.4 billion, in arts, entertainment, and recreation industry has been reported by establishments based in Punjab province followed by 18.2% in Sindh (Rs.337.3 million), 3.2% in KP and around 0.4% in Balochistan. A summary of the reported GFCF by provinces and products is presented in Figure 10.8. The bar chart shows the GFCF in millions of Rupees. Leading share of Punjab in overall GFCF and that of the machinery & equipment among the products is evident from the figure.

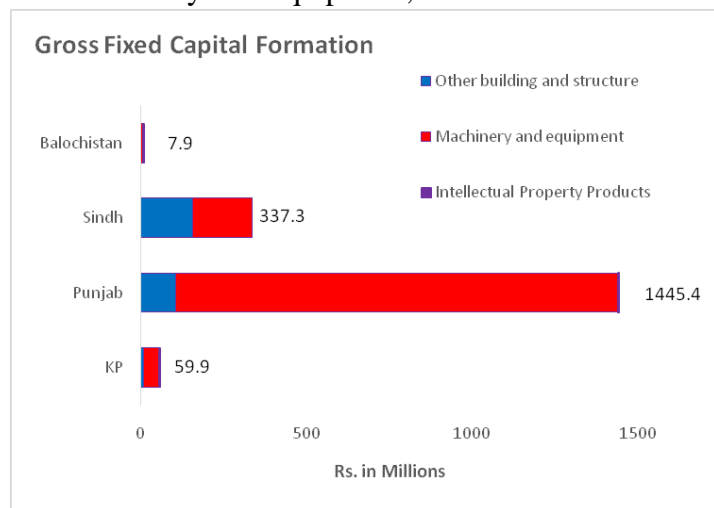


Figure 10.8: GFCF by Product and Province

Table 10.9: GFCF by Type of Assets and by PSIC (Rs. in '000')

| PSIC | | Dwelling (Residential buildings) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|---|--|---------------------------------------|-------------------------------|--------------------------------------|---------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 0 | 274731 | 1570981 | 4799 | 1850511 |
| 900 | Creative, arts and entertainment activities | 0 | 53171 | 198332 | 2592 | 254095 |
| 931 | Sports activities | 0 | 221560 | 1372649 | 2207 | 1596415 |
| KP | | 0 | 11030 | 47123 | 1742 | 59895 |
| 900 | Creative, arts and entertainment activities | 0 | 217 | 13340 | 0 | 13557 |
| 931 | Sports activities | 0 | 10814 | 33782 | 1742 | 46338 |
| Punjab | | 0 | 105809 | 1336588 | 3009 | 1445406 |
| 900 | Creative, arts and entertainment activities | 0 | 6783 | 134267 | 2545 | 143595 |
| 931 | Sports activities | 0 | 99026 | 1202321 | 464 | 1301811 |
| Sindh | | 0 | 157726 | 179604 | 0 | 337330 |
| 900 | Creative, arts and entertainment activities | 0 | 46006 | 46852 | 0 | 92858 |
| 931 | Sports activities | 0 | 111721 | 132751 | 0 | 244472 |
| Balochistan | | 0 | 166 | 7667 | 47 | 7880 |
| 900 | Creative, arts and entertainment activities | 0 | 166 | 3873 | 47 | 4086 |
| 931 | Sports activities | 0 | 0 | 3794 | 0 | 3794 |

10.13 Summary Findings: Arts, Entertainment and Recreation Industry

Summary findings of study on Arts, Entertainment and Recreation activities 2016-17 are presented in Table 10.10. The total output at producer's prices has been estimated at Rs.16.103 billion which becomes Rs.16.101 billion at basic prices after the deduction of net taxes on products amounting to Rs.2.4 million. The total intermediate consumption at purchaser's prices is valued at Rs.4.94 billion. Resultantly, overall GVA at basic prices has been computed as Rs.11.16 billion. The contribution of creative, arts and entertainment activities towards overall GVA of the industry stands at Rs.6.1 billion i.e. 54.9% followed by Rs.5.04 billion (45.1%) in sports activities. The contribution of the provinces in the output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices is also presented in the Table 10.10. The contribution of establishments based in Punjab in the GVA is 79.5%, i.e. Rs.8.9 billion, followed by Rs.1.3 billion (11.5%) in Sindh, Rs.930.1 million (78.3%) in KP and Rs.70.9 billion (0.6%) in Balochistan. The GVA at the provincial level is also represented in Figure 10.9. It can be observed that Punjab is the major contributor towards the GVA and Balochistan being at the bottom of the list.

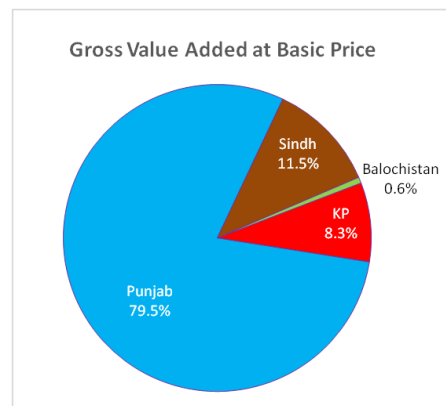


Figure 10.9: GVA by province

Table 10.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|--------------------|---|-----------------------------------|--|------------------------------|---|---------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 16103239 | 2372 | 16100866 | 4939036 | 11161830 |
| 900 | Creative, arts and entertainment activities | 8722418 | 2283 | 8720136 | 2597792 | 6122344 |
| 931 | Sports activities | 7380820 | 89 | 7380730 | 2341244 | 5039486 |
| KP | | 1444558 | 0 | 1444558 | 513882 | 930676 |
| 900 | Creative, arts and entertainment activities | 862354 | 0 | 862354 | 256190 | 606164 |
| 931 | Sports activities | 582204 | 0 | 582204 | 257691 | 324513 |
| Punjab | | 12400178 | 2226 | 12397952 | 3524997 | 8872955 |
| 900 | Creative, arts and entertainment activities | 6480289 | 2150 | 6478138 | 1767396 | 4710742 |
| 931 | Sports activities | 5919890 | 75 | 5919813 | 1757602 | 4162213 |
| Sindh | | 2129566 | 146 | 2129420 | 842162 | 1287258 |
| 900 | Creative, arts and entertainment activities | 1316562 | 133 | 1316430 | 545192 | 771238 |
| 931 | Sports activities | 813004 | 14 | 812990 | 296970 | 516020 |
| Balochistan | | 128936 | 0 | 128936 | 57995 | 70941 |
| 900 | Creative, arts and entertainment activities | 63213 | 0 | 63213 | 29013 | 34200 |
| 931 | Sports activities | 65722 | 0 | 65722 | 28983 | 36742 |

**Table 10.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Arts, Entertainments, and Recreation**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 22,552 | 0 | 33,905 | 50.34 | - |
| Output at basic Prices (Rs.Million) | 79,782 | 0 | 16,101 | -79.82 | - |
| Intermediate at purchaser's Prices (Rs.Million) | 32,131 | 0 | 4,939 | -84.63 | - |
| Gross Value Added at basic prices (Rs.Million) | 47,651 | 0 | 11,162 | -76.58 | - |
| GFCF (Rs.Million) | 2,649 | 0 | 1,851 | -30.14 | - |

Chapter 11 : Maintenance & Repair of Motor Vehicles and Motorcycles

11.1 Introduction

In the national income accounting framework, Maintenance & Repair of Motor Vehicles and Motorcycles are covered in Section G of PSIC-2010 along with wholesale and retail trade. This part of the report includes PSIC class 452-Maintenance and repair of motor vehicles and 454-Sale, maintenance and repair of motorcycles and related parts/ accessories. It is pertinent to note that PSIC class 4540 includes three further sub-classes. However, in this part of the report only one class i.e. 45403-Maintenance and repair of motorcycles have been included. The remaining sub-classes relates to the wholesale and retail trade of motorcycles and their parts and accessories, which are planned to be estimated separately along with other wholesale and retail trade activities.

The separate assessment of the contribution of the maintenance and repair of motor vehicles and motorcycles was long overdue because of the magnitude of the activity and importance in the daily life of the people. The findings of the study are expected to be useful for academicians, researchers, and policymakers alike.

11.2 Coverage

11.2.1 Geographical Coverage

The summary of the coverage of establishments at national and provincial levels is presented in Table 11.1(a). According to the results, there are 322012 establishments engaged in the maintenance and repair of motor vehicles and motorcycles in the private sector in all over Pakistan. Most of the establishments i.e. 208431 are based in Punjab followed by 53460 in KP, 52993 in Sindh and 7127 in Balochistan. The province-wise share in the coverage is also presented in Figure 11.1. The data suggests that 63.1% of establishments belong to Punjab province followed by 16.6%, 16.5% and 2.2% in KP, Sindh, and Balochistan respectively.

Table 11.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 322012 | 100 |
| KP | 53460 | 16.6 |
| Punjab | 208431 | 63.1 |
| Sindh | 52993 | 16.5 |
| Balochistan | 7127 | 2.2 |

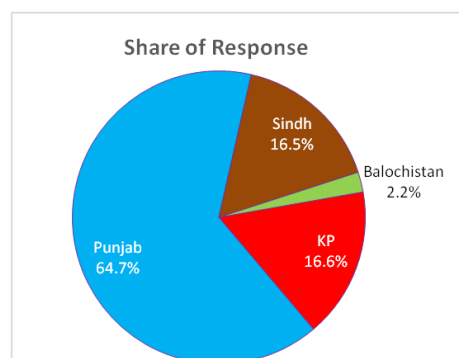


Figure 11.1: Coverage by Province

11.2.2 Industry-wise Coverage

In PSIC, all economic activities are treated as industries, which are distinct, mutually exclusive and collectively exhaustive. The most detailed level of activities, described in the PSIC is at 5-digits level. The data obtained from individual establishments and engaged in a similar type of

activities, which have been assigned same code, have been grouped together and results have been compiled by industries at 5-digits level. However, sufficient representation of establishment at the 5-digit level was not found for all industries. Therefore, results have been further aggregated at 4-digit and then 3-digit level. These 3-digit levels of industries include Maintenance and repair of Motor Vehicles and Sale, maintenance and repair of motorcycles and related parts and accessories. All the results in this part of the report have been presented against the aforementioned activities. Table 11.1(b) shows the distribution of the establishments at national and provincial levels. According to the data, 163747 out of 322012 establishments were engaged in the maintenance and repair of motor vehicles, out of which 58.0% are in Punjab whereas 22.1% are in KP, 17.7% in Sindh and 2.3% in Balochistan. The remaining 158265 establishments are engaged in the repair of motorcycles, 71.7% of which are located in Punjab, 15.2% in Sindh, 10.9% in KP and 2.1% in Balochistan.

Table 11.1(b): Coverage by PSIC

| PSIC | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|--|----------|-------|--------|-------|-------------|
| | | 322012 | 53460 | 208431 | 52993 | 7127 |
| 452 | Maintenance and repair of motor vehicles | 163747 | 36152 | 94893 | 28966 | 3735 |
| 454 | Sale, maintenance, and repair of motorcycles and related parts and accessories | 158265 | 17309 | 113538 | 24027 | 3392 |

11.3 Seasonal Establishments

The total number of establishments engaged in the repair and maintenance of motor vehicles and motorcycles operating on a seasonal basis stands at 1989 out of 322012 i.e. 0.6%. Among those operating on a seasonal basis, 1370 are engaged in the repair and maintenance of motorcycles and the remaining 619 are engaged in maintenance and repair of motor vehicles. From the provincial point of view, the majority of the seasonal establishments i.e. 1681 belong to Punjab province followed by 223 in KP, 64 in Balochistan and 22 in Sindh province. Further, in Punjab province 1250 out of 1681 seasonal establishment, are engaged in repair and maintenance of motorcycles and the remaining 430 are engaged in maintenance and repair of motor vehicles. The detail of the number of establishments with seasonal activity at national and provincial is presented in Table 11.2(a).

Table 11.2(a): Number of Establishments with Seasonal Activity

| PSIC | | Total | Number of Seasonal Establishments | | | | | % Seasonal |
|------|---|---------|-----------------------------------|-----|--------|-------|-------------|------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 322012 | 1989 | 223 | 1681 | 22 | 64 | 0.6 |
| 452 | Maintenance and repair of motor vehicles | 163,747 | 619 | 144 | 430 | 22 | 23 | 0.4 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 158,265 | 1370 | 79 | 1250 | 0 | 41 | 0.9 |

11.4 Registration Status

It is important to report the number of registered establishments in order to have some assessment of the nature of the informality of the businesses. The province-wise summary of the number of establishments registered with any government agency is presented in Table 11.2(b). According to the data, 7279 (2.3%) establishments were observed as registered with different government agencies in the country. The majority of those registered i.e. 7213 belong to Punjab province followed by 67 in KP. Further, 4235 of registered establishments were engaged in the repair & maintenance of motorcycle and the remaining 3045 were engaged in the repair & maintenance of motor vehicles.

Table 11.2(b): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|---|---------|-------------------------------------|----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 322012 | 7279 | 67 | 7213 | 0 | 0 | 2.3 |
| 452 | Maintenance and repair of motor vehicles | 163,747 | 3045 | 67 | 2978 | 0 | 0 | 1.9 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 158,265 | 4235 | 0 | 4235 | 0 | 0 | 2.7 |

11.5 Maintenance of Accounts

The number of establishments that maintain their accounts at national and provincial levels is presented in Table 11.2(c). According to the data, 2187 establishments i.e. 0.7% maintain their accounts. Most of the establishments maintaining their accounts i.e. 1408 are based in Punjab followed by 602 in Sindh, 102 in KP and 76 in Balochistan. From the industry point of view, 1287 units are engaged in the maintenance and repair of motor vehicles and the remaining 900 were engaged in maintenance and repair of motorcycles.

Table 11.2(c): Number of Establishments Maintaining Accounts

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintains Accounts |
|------|---|---------|---|-----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 322012 | 2187 | 102 | 1408 | 602 | 76 | 0.7 |
| 452 | Maintenance and repair of motor vehicles | 163,747 | 1287 | 101 | 577 | 563 | 47 | 0.8 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 158,265 | 900 | 1 | 830 | 39 | 30 | 0.6 |

11.6 Type of Ownership in Publishing Activities

The number of establishments by type of organization at national and provincial levels is presented in Table 11.3(a). According to the data collected through the current study, the individual ownership accounts for around 98.1% i.e. 315952 of the total establishments engaged in maintenance and repair of motor vehicles and motorcycles. Among them, 204948 belong to

Punjab followed by 52084 in KP, 52125 in Sindh and 6795 in Balochistan. The partnership is the second most common form of ownership among the establishments having 5854 units, which stands at 1.8% of the total establishments. Further, the remaining 0.1% is owned by the Private Limited Companies (25), Public Limited Companies (65), Cooperatives (95) and others (21) types of businesses.

Table 11.3(a): Number of Establishments by Type of Organization

| Type of Ownerships | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|-------|--------|-------|-------------|
| | 322012 | 53460 | 208431 | 52993 | 7127 |
| Individual Ownership | 315952 | 52084 | 204948 | 52125 | 6795 |
| Partnership | 5854 | 1352 | 3458 | 763 | 282 |
| Private Ltd. Co. | 25 | 25 | 0 | | |
| Public Ltd. Co | 65 | | 4 | 61 | |
| Cooperative | 95 | | 0 | 44 | 51 |
| Others | 21 | | 21 | | |

Table 11.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. | Public Ltd. Co | Cooperative | Others |
|------|--|----------|----------------------|-------------|------------------|----------------|-------------|--------|
| | | 322012 | 315952 | 5854 | 25 | 65 | 95 | 21 |
| 452 | Maintenance and repair of motor vehicles | 163747 | 160450 | 3187 | 1 | 43 | 44 | 21 |
| 454 | Sale, maintenance, and repair of motorcycles and related parts and accessories | 158265 | 155502 | 2667 | 24 | 22 | 51 | |

Further, the number of establishments by type of organization and PSIC is presented in Table 11.3(b). According to the table, among the 315952 establishments having individual ownership structure, 160450 were engaged in maintenance and repair of motor vehicles whereas the remaining 155502 were engaged in repair & maintenance of motorcycles. Further, 3187 out of 5854 establishments having partnerships were engaged in maintenance and repair of motor vehicles whereas the remaining 2667 were engaged in repair & maintenance of motorcycles. The type of ownership by industries is also reported in Figure 11.2.

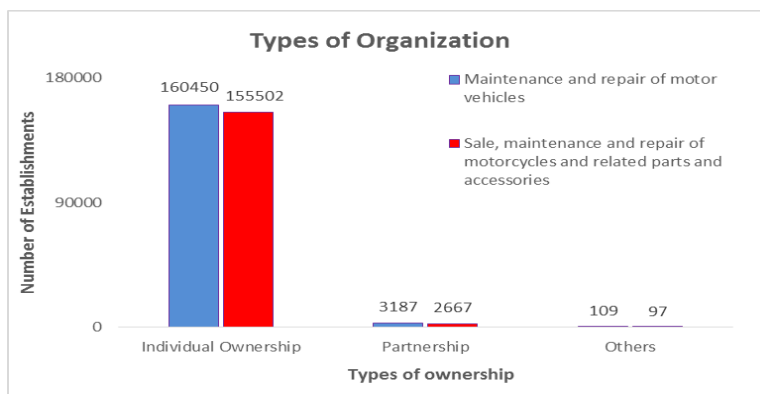


Figure 11.2: Type of Ownership Structure by PSIC

11.7 Employment by Type and Gender

Employment in the maintenance and repair of motor vehicles and motorcycles industry by type and gender at national and provincial levels is presented in Table 11.4(a). According to the results, total number of persons engaged in the aforementioned industry during the reference period is 703965 out of which 326958 (46.4%) were working proprietors followed by 265947 (37.8%) other employees, 73423 (10.4%) unpaid family workers, 33215 (4.7%) technicians and associate professionals and 4422 (0.6%) managers and professionals.

From the gender point of view, the maintenance and repair industry is dominated by male employees who are more than 99% i.e. 703667 out of 703965. Only 298 females have been reported to be engaged in the maintenance and repairing of the motor vehicle's industry. From the provincial point of view, the majority i.e. 426808 belong to Punjab province. Among them, 211734 (49.6%) individuals are engaged as working proprietors followed by 148879 engaged as other employees, 44378 unpaid family workers, 20008 technicians, and associate professionals and 1809 managers and professionals.

Table 11.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|---|----------------|------------|----------------|
| Pakistan | 703,667 | 298 | 703,965 |
| Working Proprietor | 326,735 | 223 | 326,958 |
| Managers and Professionals | 4,399 | 24 | 4,422 |
| Unpaid Family Workers | 73,423 | 0 | 73,423 |
| Technicians and associate professionals | 33,215 | 0 | 33,215 |
| Other Employees | 265,896 | 51 | 265,947 |
| KP | 131,682 | 72 | 131,755 |
| Working Proprietor | 53,950 | 72 | 54,023 |
| Managers and Professionals | 1,053 | 0 | 1,053 |
| Unpaid Family Workers | 8,702 | 0 | 8,702 |
| Technicians and associate professionals | 6,106 | 0 | 6,106 |
| Other Employees | 61,871 | 0 | 61,871 |
| Punjab | 426,633 | 175 | 426,808 |
| Working Proprietor | 211,583 | 151 | 211,734 |
| Managers and Professionals | 1,786 | 24 | 1,809 |
| Unpaid Family Workers | 44,378 | 0 | 44,378 |
| Technicians and associate professionals | 20,008 | 0 | 20,008 |
| Other Employees | 148,879 | 0 | 148,879 |
| Sindh | 128,869 | 51 | 128,920 |
| Working Proprietor | 53,048 | 0 | 53,048 |
| Managers and Professionals | 1,507 | 0 | 1,507 |
| Unpaid Family Workers | 17,462 | 0 | 17,462 |
| Technicians and associate professionals | 5,832 | 0 | 5,832 |
| Other Employees | 51,021 | 51 | 51,072 |
| Balochistan | 16,482 | 0 | 16,482 |
| Working Proprietor | 8,154 | 0 | 8,154 |
| Managers and Professionals | 53 | 0 | 53 |
| Unpaid Family Workers | 2,881 | 0 | 2,881 |
| Technicians and associate professionals | 1,270 | 0 | 1,270 |
| Other Employees | 4,124 | 0 | 4,124 |

Table 11.4(b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managers and Professionals | | | Unpaid Family Workers | | | Technicians and associate professionals | | | Other Employees | | | Total | | |
|--------------------|---|--------------------|------------|---------------|----------------------------|-----------|-------------|-----------------------|----------|--------------|---|----------|--------------|-----------------|-----------|---------------|---------------|------------|---------------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 326735 | 223 | 326958 | 4399 | 24 | 4422 | 73423 | - | 73423 | 33215 | - | 33215 | 265896 | 51 | 265947 | 703667 | 298 | 703965 |
| 452 | Maintenance and repair of motor vehicles | 167283 | - | 167283 | 2652 | 24 | 2676 | 37544 | - | 37544 | 20710 | - | 20710 | 139302 | - | 139302 | 367492 | 24 | 367516 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 159452 | 223 | 159675 | 1746 | - | 1746 | 35879 | - | 35879 | 12505 | - | 12505 | 126594 | 51 | 126645 | 336175 | 274 | 336449 |
| KP | | 53950 | 72 | 54023 | 1053 | - | 1053 | 8702 | - | 8702 | 6106 | - | 6106 | 61871 | - | 61871 | 131682 | 72 | 131755 |
| 452 | Maintenance and repair of motor vehicles | 36405 | - | 36405 | 743 | - | 743 | 4845 | - | 4845 | 4060 | - | 4060 | 41436 | - | 41436 | 87489 | - | 87489 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 17546 | 72 | 17618 | 310 | - | 310 | 3857 | - | 3857 | 2045 | - | 2045 | 20435 | - | 20435 | 44194 | 72 | 44266 |
| Punjab | | 211583 | 151 | 211734 | 1786 | 24 | 1809 | 44378 | 0 | 44378 | 20008 | 0 | 20008 | 148879 | 0 | 148879 | 426633 | 175 | 426808 |
| 452 | Maintenance and repair of motor vehicles | 97651 | 0 | 97651 | 975 | 24 | 998 | 21596 | 0 | 21596 | 11500 | 0 | 11500 | 68683 | 0 | 68683 | 200406 | 24 | 200430 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 113931 | 151 | 114082 | 811 | 0 | 811 | 22782 | 0 | 22782 | 8509 | 0 | 8509 | 80196 | 0 | 80196 | 226228 | 151 | 226379 |
| Sindh | | 53048 | - | 53048 | 1507 | - | 1507 | 17462 | - | 17462 | 5832 | - | 5832 | 51021 | 51 | 51072 | 128869 | 51 | 128920 |
| 452 | Maintenance and repair of motor vehicles | 29117 | - | 29117 | 882 | - | 882 | 9527 | - | 9527 | 4542 | - | 4542 | 25954 | - | 25954 | 70022 | - | 70022 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 23931 | - | 23931 | 625 | - | 625 | 7935 | - | 7935 | 1289 | - | 1289 | 25067 | 51 | 25118 | 58847 | 51 | 58898 |
| Balochistan | | 8154 | - | 8154 | 53 | - | 53 | 2881 | - | 2881 | 1270 | - | 1270 | 4124 | - | 4124 | 16482 | - | 16482 |
| 452 | Maintenance and repair of motor vehicles | 4110 | - | 4110 | 53 | - | 53 | 1576 | - | 1576 | 607 | - | 607 | 3229 | - | 3229 | 9576 | - | 9576 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 4044 | - | 4044 | - | - | - | 1305 | - | 1305 | 662 | - | 662 | 895 | - | 895 | 6906 | - | 6906 |

There were 131755 employees in the maintenance and repair industry in KP whose majority i.e. 61871 were engaged as other employees followed by 54023 working proprietors, 8702 unpaid family workers, 6106 technicians, and associate professionals and 1053 managers and professionals. The total number of employees engaged in the repair and maintenance of the vehicle industry is 128920 in Sindh and 16482 in Balochistan. The number of employees engaged as the working proprietor is 53048 (41.1%) in Sindh and 8154 (49.5%) in Balochistan.

The number of persons engaged by PSIC at national and provincial levels in the repair and maintenance of the vehicle industry during 2016-17 is reported in Table 11.4(b). According to the data, 367516 employees out of 703965 were engaged in the maintenance and repair of motor vehicles whereas the remaining 336449 were engaged in repair and maintenance of motorcycles.

11.8 Employment Cost

Employment costs, which include wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits, incurred in the repair and maintenance of vehicle industries at national and provincial levels are presented in Table 11.5. According to the results, expenditures incurred on employment cost in repair and maintenance of vehicles industry stands at Rs.51.5 billion including Rs.46.2 billion wages & salaries in cash, Rs.508.1 million in other cash payments and Rs.4.9 billion in payments in kind i.e. non-cash benefits.

Table 11.5: Employment Cost by PSIC (Rs. in '000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|--------------------|--|------------------|---------------------|-------------------------------------|------------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 46,166,181 | 508,103 | 4,873,145 | 51,547,430 |
| 452 | Maintenance and repair of motor vehicles | 23,349,360 | 318,230 | 2,893,803 | 26,561,393 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 22,816,821 | 189,873 | 1,979,342 | 24,986,037 |
| KP | | 7,505,073 | 90,316 | 1,899,532 | 9,494,921 |
| 452 | Maintenance and repair of motor vehicles | 5,380,715 | 83,622 | 1,243,212 | 6,707,549 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 2,124,358 | 6,694 | 656,320 | 2,787,372 |
| Punjab | | 26,215,284 | 339,135 | 2,405,731 | 28,960,150 |
| 452 | Maintenance and repair of motor vehicles | 14,372,243 | 173,318 | 1,323,606 | 15,869,166 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 11,843,042 | 165,816 | 1,082,125 | 13,090,984 |
| Sindh | | 11,723,318 | 37,121 | 468,922 | 12,229,361 |
| 452 | Maintenance and repair of motor vehicles | 3,153,350 | 19,759 | 246,997 | 3,420,106 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 8,569,968 | 17,363 | 221,925 | 8,809,255 |
| Balochistan | | 722,507 | 41,531 | 98,960 | 862,998 |
| 452 | Maintenance and repair of motor vehicles | 443,053 | 41,531 | 79,988 | 564,572 |
| 454 | Sale, maintenance, and repair of motorcycles and related parts and accessories | 279,454 | - | 18,972 | 298,425 |

In the maintenance and repair of the motor vehicles industry, expenditure on employment cost has been estimated at Rs.26.6 billion including Rs.23.3 billion wages & salaries in cash,

Rs.318.2 million in other cash payments and Rs.2.9 billion in payments in kind. Expenditure on employment cost in maintenance and repair of motorcycles industry stands at Rs.25 billion out of which Rs.22.8 billion were paid in wages & salaries in cash, Rs.189.9 million in other cash payments and Rs.2 billion in non-cash benefits.

The distribution of the employment cost and expenses among the provinces is also given in Table 11.5. Most of the employment cost has been incurred in Punjab i.e. Rs.29 billion (56.2%) out of which Rs.26.2 billion is in the form of wages and salaries in cash, Rs.339.1 million in other cash payments and Rs.2.4 billion on payment in kind. In KP, Rs.9.5 billion i.e. 18.4% of the total, has been spent on employment cost by establishments engaged in maintenance and repair industry, out of which Rs.7.5 billion were on wages and salaries, Rs.90.3million on other cash payments and 1.9 billion on non-cash benefits.

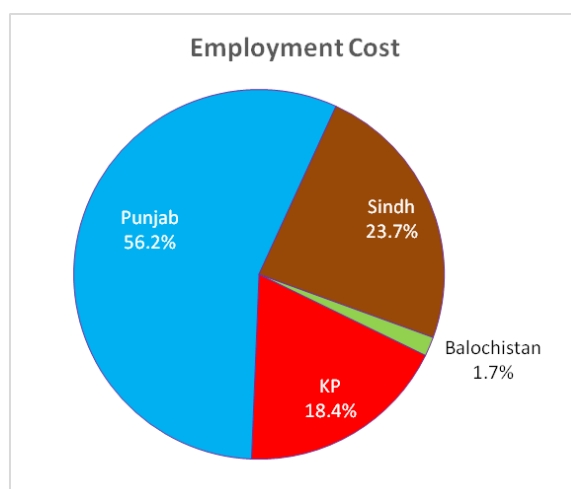


Figure 11.3: Employment Cost by Province

The total employment-related expenses by establishments based in Sindh province have been estimated at Rs.12.2 Billion i.e.23.7% of the total, out of which Rs.11.7 billion were incurred on wages and salaries in cash, Rs.37.1 million on other cash payments and Rs.468.9 million on payment in kind. Employment-related expenditure by establishments based in Balochistan accounts for only 1.7% of the total employment cost in the industry and is comprised of Rs.722 million worth of wages and salaries, Rs.41.5 million on other cash payments and Rs.99 million on non-cash payments. The province-wise shares in employment cost are also presented in Figure 11.3.

11.9 Input Cost by Industry and Product

The detail of expenditures incurred by establishments engaged in maintenance and repair of motor vehicle and motorcycles on inputs during 2016-17 by products is presented in Table 11.6(a). According to the data, total expenditure on inputs in the subject matter industry amounts to Rs.72.89 billion. As per the details of product-wise expenditure, expenditure on material for repair and maintenance is around Rs.35 billion, which is 48% of the total expenses. The expenditure on rent of buildings is Rs.12.9 billion (17.8%). The expenses incurred on entertainment and electricity charges are Rs.6 billion (8.2%) each. Fuel and lubricants cost more than Rs.3.3 billion i.e. 4.6% of the total expenditure.

Table 11.6(a): Input Cost by Product

| Items of Expenditures | Codes | (Rs. in '000') | % Share |
|---|-------|-------------------|--------------|
| Accounting, secretarial and audit fees | 401 | 8,492 | 0.0 |
| Advertising and promotion | 402 | 28,757 | 0.0 |
| Bank charges | 403 | 44,134 | 0.1 |
| Electricity Charges | 404 | 5,946,149 | 8.2 |
| Entertainment Charges | 405 | 5,979,016 | 8.2 |
| Expenditure on stationery and office supplies | 406 | 162,907 | 0.2 |
| Expenditure on prepared food including grocery | 407 | 1,032,674 | 1.4 |
| Expenditure on sports goods (Balls, bats, rackets, uniforms etc.) | 408 | 21,639 | 0.0 |
| Expenditure on uniforms | 409 | 40,926 | 0.1 |
| Fuel and Lubricants | 410 | 3,337,921 | 4.6 |
| Gas Charges | 411 | 591,808 | 0.8 |
| Insurance Premium | 412 | 12,625 | 0.0 |
| Interest paid | 413 | 8,616 | 0.0 |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | 284,322 | 0.4 |
| Material for repair and maintenance | 415 | 35,012,895 | 48.0 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | 1,281,642 | 1.8 |
| Payment for data processing and other services related to information technology | 417 | 21,069 | 0.0 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 418 | 42,771 | 0.1 |
| Payment for security services | 419 | 145,941 | 0.2 |
| Postage/Courier | 420 | 91,161 | 0.1 |
| Rent of Building | 421 | 12,938,689 | 17.8 |
| Telephone/Fax/Telegraph/ Internet | 422 | 1,604,318 | 2.2 |
| Transportation Charges | 423 | 620,545 | 0.9 |
| Travel Expenses | 424 | 762,086 | 1.0 |
| Water Charges | 425 | 631,673 | 0.9 |
| Other Expenditure n.e.c. | | 2,233,480 | 3.1 |
| Total | | 72,886,256 | 100.1 |

Other major expenses are Rs.1.6 billion (2.2%) on telephone/internet, Rs.1.3 billion (1.8%) on payment for current repair and maintenance work done by others on this establishment's fixed assets, Rs.1 billion (1.4%) on expenditure on prepared food including grocery, Rs.762.1 million (1%) on travel expenses and Rs.2.2 billion (3.1%) on other expenditure n.e.c. The remaining 3.8% of the expenses are shared by water charges (Rs.631.7 million), transportation charges (Rs.621 million), gas charges (Rs.591.8 million), legal and professional expenses (Rs.284.3 million), expenditure on stationery and office supplies (Rs.162.9 million), payment for security services (Rs.145.9 million), postage/courier (Rs.91.2 million), bank charges (Rs.44.1 million) and payment for other professional services (Rs.42.8 million).

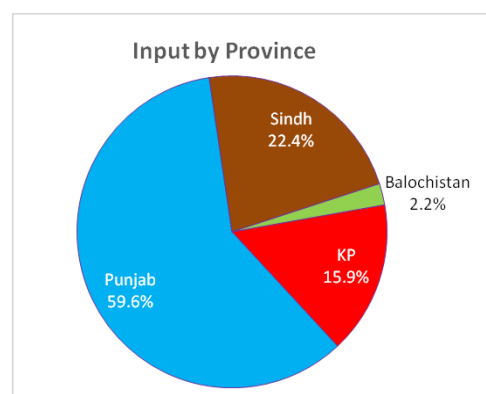


Figure 11.4: Intermediate Consumption by Province

Table 11.6(b): Input Cost by PSIC and Product (Rs. in '000')

| PSIC | | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 |
|--------------------|---|-------|--------|--------|-----------|-----------|---------|-----------|--------|--------|-----------|---------|--------|-------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Pakistan | | 8,492 | 28,757 | 44,134 | 5,946,149 | 5,979,016 | 162,907 | 1,032,674 | 21,639 | 40,926 | 3,337,921 | 591,808 | 12,625 | 8,616 |
| 452 | Maintenance and repair of motor vehicles | 7,920 | 13,479 | 28,862 | 3,501,567 | 3,601,814 | 112,580 | 699,112 | 9,348 | 20,701 | 2,472,610 | 511,604 | 9,519 | 3,388 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 573 | 15,278 | 15,272 | 2,444,583 | 2,377,202 | 50,327 | 333,561 | 12,291 | 20,225 | 865,310 | 80,204 | 3,106 | 5,227 |
| KP | | 7,050 | 2,115 | 1,161 | 844,820 | 971,770 | 45,844 | 309,307 | 9,892 | 13,164 | 855,545 | 155,725 | - | - |
| 452 | Maintenance and repair of motor vehicles | 7,050 | 640 | 983 | 670,739 | 719,270 | 39,092 | 228,911 | 6,031 | 8,887 | 756,933 | 153,427 | - | - |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | - | 1,476 | 178 | 174,081 | 252,499 | 6,752 | 80,396 | 3,862 | 4,277 | 98,612 | 2,298 | - | - |
| Punjab | | 1,442 | 16,025 | 35,890 | 3,711,254 | 3,449,148 | 69,935 | 281,199 | 4,437 | 16,717 | 1,463,386 | 237,619 | 4,624 | 7,932 |
| 452 | Maintenance and repair of motor vehicles | 870 | 9696 | 23976 | 2020425 | 1974442 | 41047 | 151872 | 147 | 8180 | 1069407 | 219802 | 3036 | 2705 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 573 | 6329 | 11914 | 1690828 | 1474706 | 28888 | 129326 | 4290 | 8537 | 393978 | 17817 | 1588 | 5227 |
| Sindh | | - | 10,433 | 5,247 | 1,298,662 | 1,387,428 | 44,770 | 290,414 | 6,004 | 9,985 | 922,378 | 174,741 | 5,837 | 645 |
| 452 | Maintenance and repair of motor vehicles | - | 3,144 | 3,633 | 748,156 | 813,143 | 31,300 | 181,086 | 2,252 | 2,844 | 577,589 | 126,146 | 5,787 | 645 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | - | 7,290 | 1,615 | 550,506 | 574,285 | 13,470 | 109,328 | 3,752 | 7,141 | 344,790 | 48,594 | 50 | - |
| Balochistan | | - | 184 | 1,836 | 91,414 | 170,670 | 2,357 | 151,753 | 1,305 | 1,060 | 96,612 | 23,724 | 2,164 | 39 |
| 452 | Maintenance and repair of motor vehicles | - | - | 271 | 62,247 | 94,959 | 1,141 | 137,242 | 918 | 789 | 68,682 | 12,229 | 696 | 39 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | - | 184 | 1,565 | 29,168 | 75,711 | 1,216 | 14,511 | 387 | 271 | 27,930 | 11,495 | 1,468 | - |

Note: Please see Table 11.6(a) for the description of product codes

Table 11.6(b): Input Cost by PSIC and Product (Rs. in ‘000’) Cont.

| PSIC | | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | Total |
|--------------------|---|---------|------------|-----------|--------|--------|---------|--------|------------|-----------|---------|---------|---------|-----------|------------|
| 1 | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| Pakistan | | 284,322 | 35,012,895 | 1,281,642 | 21,069 | 42,771 | 145,941 | 91,161 | 12,938,689 | 1,604,318 | 620,545 | 762,086 | 631,673 | 2,233,480 | 72,886,252 |
| 452 | Maintenance and repair of motor vehicles | 218,554 | 16,413,753 | 776,824 | 7,811 | 29,102 | 86,474 | 62,332 | 7,797,992 | 862,899 | 362,087 | 396,670 | 383,739 | 1,382,034 | 39,772,774 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 65,768 | 18,599,142 | 504,817 | 13,258 | 13,669 | 59,467 | 28,829 | 5,140,697 | 741,418 | 258,458 | 365,416 | 247,934 | 851,446 | 33,113,478 |
| KP | | 28,215 | 4,581,506 | 285,975 | 1,604 | 1,480 | 48,720 | 14,552 | 2,138,651 | 299,883 | 291,841 | 141,238 | 119,936 | 391,595 | 11,561,590 |
| 452 | Maintenance and repair of motor vehicles | 24,244 | 2,441,987 | 203,855 | 1,382 | 135 | 36,896 | 12,257 | 1,562,249 | 206,783 | 198,751 | 105,120 | 67,865 | 284,657 | 7,738,143 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 3,971 | 2,139,520 | 82,120 | 222 | 1,345 | 11,824 | 2,295 | 576,402 | 93,100 | 93,090 | 36,119 | 52,071 | 106,938 | 3,823,448 |
| Punjab | | 223,237 | 22,283,779 | 714,553 | 13,946 | 31,918 | 14,249 | 54,982 | 8,024,794 | 849,462 | 191,469 | 470,258 | 222,570 | 1,014,683 | 43,409,509 |
| 452 | Maintenance and repair of motor vehicles | 175,672 | 10,752,117 | 391,038 | 6,398 | 22,897 | 9,601 | 31,274 | 4,666,982 | 413,911 | 72,114 | 198,417 | 142,573 | 597,519 | 23,006,118 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 47,566 | 11,531,663 | 323,515 | 7,547 | 9,021 | 4,648 | 23,709 | 3,357,811 | 435,550 | 119,355 | 271,841 | 79,997 | 417,166 | 20,403,390 |
| Sindh | | 29,697 | 7,549,126 | 225,794 | 5,225 | 9,255 | 72,612 | 20,226 | 2,451,743 | 417,783 | 121,131 | 144,475 | 270,625 | 821,886 | 16,296,123 |
| 452 | Maintenance and repair of motor vehicles | 16,958 | 2,890,822 | 145,233 | - | 5,959 | 30,285 | 17,435 | 1,359,093 | 217,279 | 77,853 | 90,830 | 160,738 | 497,838 | 8,006,048 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 12,740 | 4,658,304 | 80,560 | 5,225 | 3,296 | 42,327 | 2,791 | 1,092,650 | 200,504 | 43,278 | 53,645 | 109,887 | 324,048 | 8,290,075 |
| Balochistan | | 3,172 | 598,484 | 55,319 | 295 | 118 | 10,360 | 1,400 | 323,501 | 37,191 | 16,104 | 6,115 | 18,542 | 5,315 | 1,619,031 |
| 452 | Maintenance and repair of motor vehicles | 1,681 | 328,828 | 36,698 | 31 | 110 | 9,692 | 1,366 | 209,668 | 24,926 | 13,369 | 2,303 | 12,562 | 2,020 | 1,022,465 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 1,492 | 269,656 | 18,621 | 264 | 8 | 668 | 34 | 113,833 | 12,265 | 2,734 | 3,812 | 5,979 | 3,295 | 596,566 |

Note: Please see Table 11.6(a) for the description of product codes

Rs.142.1 million have been incurred on uniforms, advertising and promotion, expenditure on sports goods, payment for data processing and other services related to information technology, insurance premium, interest paid, accounting, secretarial and audit fees altogether.

Further details of expenditure on inputs by PSIC at the national and provincial levels are given in Table 11.6(b). According to data, out of total expenditure of Rs.72.89 billion, the expenditure incurred in the maintenance and repair of the motor vehicles industry stands at Rs.39.8 billion i.e. 54.6% and remaining Rs.33.1 billion (45.4%) have been incurred in the repair and maintenance of motorcycles industry. The provincial expenditure on inputs stands at Rs.43.4 billion (59.6%) in Punjab followed by Rs.16.3 billion (22.4%) in Sindh, Rs.11.6 billion (15.9%) in KP and Rs.1.6 billion (2.2%) in Balochistan. The province-wise distribution is illustrated in Figure 11.4.

11.10 Taxes and Depreciation

The details of taxes paid and depreciation charged by the establishments engaged in maintenance and repair of the motor vehicle and motorcycles industry are presented in Table 11.7. The total taxes paid by the maintenance and repair of the motor vehicle and motorcycles industry in Pakistan amounts to Rs.343 million. Data on taxes show that establishments paid Rs.3.4 million (1%) on GST, Rs.142.2 million (41.5%) on motor vehicle/land tax, Rs.2.8 million (0.8%) on excise/import duties, Rs.171.7 million (50.1%) as provincial/ district taxes and Rs.22.8 million (6.7%) on other taxes.

The provincial shares in the total taxes stand at 52.2% (Rs.179 million) for establishments based in the province of Punjab followed by 43% (Rs.147.5 million) in KP, 4.8% (Rs.16.4 million) in Sindh, and less than 0.05% in Balochistan. The summary of taxes by industries is presented in Figure 11.5 below. The detail of depreciation at national and provincial levels is also presented in Table 11.7.

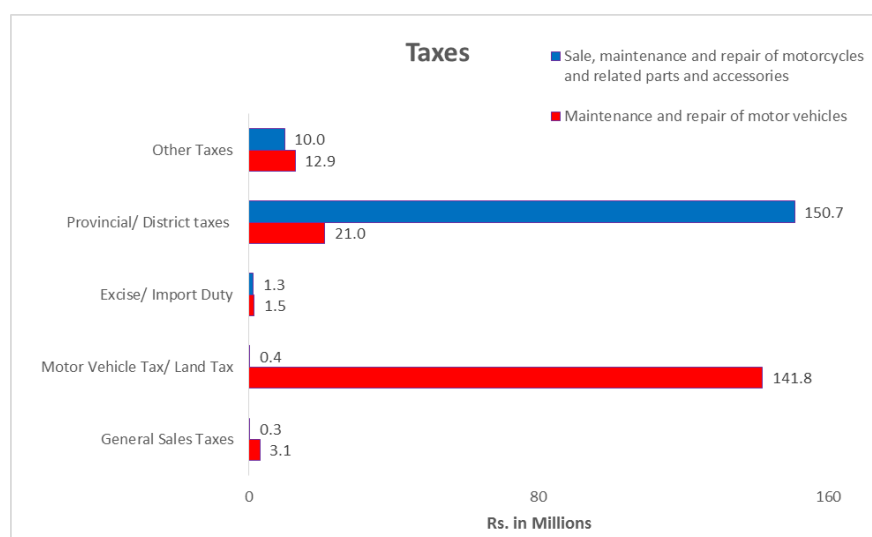
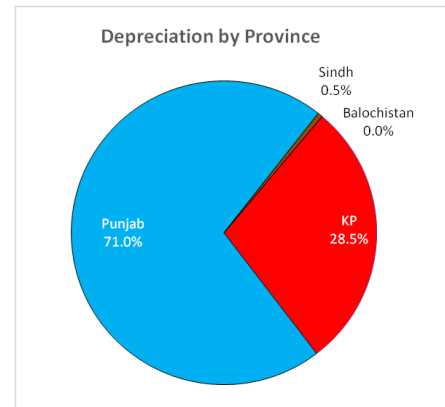


Figure 11.5: Taxes by Type and Industries

Table 11.7: Taxes and Depreciation by PSIC (Rs. in ‘000’)

| PSIC | | General Sales Taxes | Motor Vehicle Tax/Land Tax | Excise/Import Duty | Provincial/District taxes | Other Taxes | Total Taxes | Depreciation |
|--------------------|--|---------------------|----------------------------|--------------------|---------------------------|-------------|-------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 3,438 | 142,221 | 2,774 | 171,690 | 22,856 | 342,980 | 15,391 |
| 452 | Maintenance and repair of motor vehicles | 3,102 | 141,842 | 1,452 | 21,034 | 12,854 | 180,284 | 13,141 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 336 | 379 | 1,322 | 150,656 | 10,002 | 162,696 | 2,250 |
| KP | | 10 | - | 31 | 144,936 | 2,555 | 147,532 | 4,389 |
| 452 | Maintenance and repair of motor vehicles | 10 | - | 31 | 923 | 1,334 | 2,298 | 4,308 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | - | - | - | 144,012 | 1,222 | 145,234 | 81 |
| Punjab | | 3,314 | 140,735 | 605 | 25,137 | 9,179 | 178,969 | 10,922 |
| 452 | Maintenance and repair of motor vehicles | 2,978 | 140,704 | 46 | 18,906 | 4,976 | 167,609 | 8,829 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 336 | 31 | 559 | 6,232 | 4,202 | 11,360 | 2,094 |
| Sindh | | 114 | 1,487 | 2,138 | 1,617 | 11,063 | 16,420 | 80 |
| 452 | Maintenance and repair of motor vehicles | 114 | 1,138 | 1,375 | 1,205 | 6,511 | 10,344 | 5 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | - | 348 | 763 | 412 | 4,552 | 6,076 | 76 |
| Balochistan | | - | - | - | - | 59 | 59 | - |
| 452 | Maintenance and repair of motor vehicles | - | - | - | - | 33 | 33 | - |
| 454 | Sale, maintenance, and repair of motorcycles and related parts and accessories | - | - | - | - | 26 | 26 | - |

According to data, total depreciation charged during the financial year 2016-17 stands at Rs.15.4 million out of which Rs.10.9 million have been allocated by establishments based in Punjab followed by Rs.4.4 million in KP. Figure 11.6 presents the overall shares of depreciation by Provinces.

**Figure 11.6: Province-wise Share in Depreciation**

11.11 Output by Industry and Product

The output of maintenance and repair of the motor vehicle industry by products at national and provincial levels has been reported in Table 11.8. According to the data, total earnings generated by maintenance and repair of motor vehicles by industry during 2016-17 amounts to Rs.220.4 billion. Products-wise distribution of output suggests that income from maintenance and repair of motor vehicles accounts for 52.5% i.e. Rs.115.7 billion of the total revenue of the industry, followed by 41.2% i.e. Rs.90.8 billion from income from maintenance and repair of motorcycles and 6.3% i.e. Rs.13.8 billion from other income.

The provincial shares in the total output in maintenance and repair of motor vehicles and motorcycles industry stands at 59.5% (Rs.131.1 billion) for establishments based in province of Punjab followed by 19.8% (Rs.43.6 billion) in Sindh, 18.9% (Rs.41.6 billion) in KP and 1.8% (Rs.4.0 billion) in Balochistan (Figure 11.7).

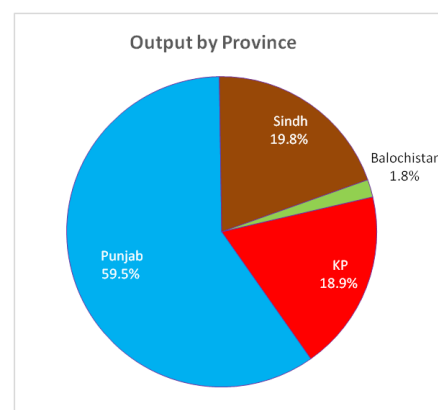


Figure 11.7: Province-wise share in Output

Table 11.8: Output by PSIC (Rs. in '000')

| PSIC | | Income from maintenance and repair of motor vehicles | Income from maintenance and repair of motorcycles | Other income | Total |
|-------------|---|--|---|--------------|-------------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 115,701,271 | 90,843,495 | 13,851,577 | 220,396,342 |
| 452 | Maintenance and repair of motor vehicles | 107,644,755 | 9,861,601 | 8,476,443 | 125,982,798 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 8,056,516 | 80,981,894 | 5,375,134 | 94,413,544 |
| KP | | 28,181,546 | 11,431,798 | 1,973,024 | 41,586,368 |
| 452 | Maintenance and repair of motor vehicles | 26,817,980 | 973,156 | 1,762,879 | 29,554,015 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 1,363,566 | 10,458,642 | 210,145 | 12,032,353 |
| Punjab | | 67,091,729 | 54,252,531 | 9,795,060 | 131,139,319 |
| 452 | Maintenance and repair of motor vehicles | 61,757,972 | 5,537,164 | 5,016,022 | 72,311,158 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 5,333,756 | 48,715,367 | 4,779,037 | 58,828,161 |
| Sindh | | 18,270,587 | 23,772,233 | 1,595,405 | 43,638,225 |
| 452 | Maintenance and repair of motor vehicles | 16,967,549 | 3,173,245 | 1,354,483 | 21,495,277 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 1,303,038 | 20,598,989 | 240,922 | 22,142,949 |
| Balochistan | | 2,157,409 | 1,386,933 | 488,088 | 4,032,430 |
| 452 | Maintenance and repair of motor vehicles | 2,101,252 | 178,037 | 343,059 | 2,622,348 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 56,157 | 1,208,896 | 145,029 | 1,410,082 |

11.12 Gross Fixed Capital Formation

The expenditure made on GFCF by establishments engaged in maintenance and repair of motor vehicles and motorcycles is reported in Table 11.9. According to the data, total expenditure on GFCF reported by establishments during 2016-17 amounts to Rs.4.4. billion. The contribution of maintenance and repair of the motor vehicles industry stands at Rs.2.9 billion (65.6%) whereas of that sale, maintenance and repair of motorcycles and related parts and accessories are Rs.1.5 billion (34.4%).

As far as product-wise expenditure on GFCF is concerned, the major chunk of GFCF i.e. Rs.2.8 billion (63.7% of total industry) has been reported under the head of machinery and equipment. The GFCF related expenditure on other buildings and structure accounts for 28% of the total i.e. Rs.1.2 billion whereas dwelling (residential buildings) share stands at 7.8% (Rs.344 million) and intellectual property product at 0.5% (Rs.22.9 million). The GFCF at the provincial level is also reported in Table 11.9. Data suggests that about 42.0% (Rs.1.86 billion) of the total GFCF in maintenance and repair of motor vehicles and motorcycles industry has been recorded from establishments based in Sindh followed by 29.0% (Rs.1.3 billion) in Punjab, 25.1% (Rs.1.1 billion) in KP and 3.8% in Balochistan.

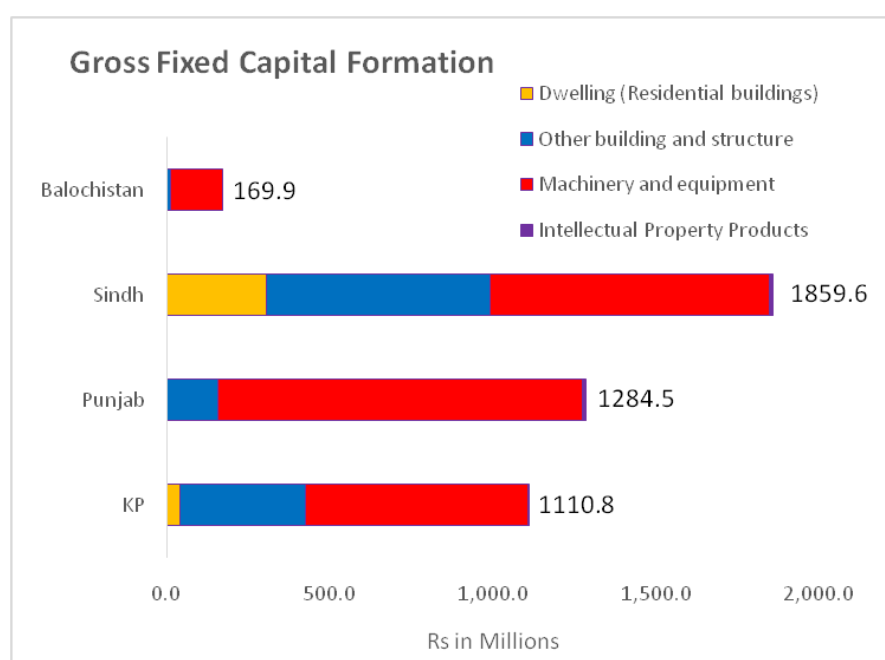


Figure 11.8: GFCF by Product and Province

The expenditure on GFCF by provinces and products in the maintenance & repair of motor vehicles and motorcycles industry is also presented in Figure 11.8. The bar chart, which shows the GFCF in millions of rupees, indicates machinery and equipment as the leading producer of GFCF in all the provinces.

Table 11.9: GFCF by Type of Assets and PSIC (Rs. in '000')

| PSIC | | Dwelling (Residential buildings) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|--|--|---------------------------------------|-------------------------------|--------------------------------------|-----------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 344,063 | 1,237,770 | 2,820,075 | 22,943 | 4,424,851 |
| 452 | Maintenance and repair of motor vehicles | 176,995 | 1,016,647 | 1,698,081 | 11,157 | 2,902,879 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 167,068 | 221,123 | 1,121,995 | 11,786 | 1,521,972 |
| KP | | 40,155 | 383,974 | 684,142 | 2,528 | 1,110,799 |
| 452 | Maintenance and repair of motor vehicles | 40,155 | 376,669 | 530,629 | 1,847 | 949,300 |
| 454 | Sale, maintenance, and repair of motorcycles and related parts and accessories | - | 7,305 | 153,514 | 680 | 161,499 |
| Punjab | | - | 156647 | 1118432 | 9438 | 1284518 |
| 452 | Maintenance and repair of motor vehicles | - | 122680 | 511586 | 2105 | 636372 |
| 454 | Sale, maintenance, and repair of motorcycles and related parts and accessories | - | 33967 | 606846 | 7333 | 648145 |
| Sindh | | 303,908 | 686,010 | 858,724 | 10,977 | 1,859,619 |
| 452 | Maintenance and repair of motor vehicles | 136,840 | 513,880 | 502,784 | 7,205 | 1,160,708 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 167,068 | 172,130 | 355,940 | 3,773 | 698,912 |
| Balochistan | | - | 11,139 | 158,776 | - | 169,916 |
| 452 | Maintenance and repair of motor vehicles | - | 3,418 | 153,082 | - | 156,500 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | - | 7,721 | 5,695 | - | 13,416 |

11.13 Summary Findings: Maintenance and Repair of Motor Vehicles and Motorcycles

Summary of findings of the study on maintenance & repair of motor vehicles and motorcycles 2016-17 are presented in Table 11.10. The total output at producer's prices in maintenance & repair of motor vehicles and motorcycles has been estimated at Rs.220.40 billion which becomes Rs.220.37 billion at basic prices after deduction of net taxes on products amounting to Rs.25.6 million. The total intermediate consumption at purchaser's prices is valued at Rs.72.9 billion. Resultantly, overall GVA at basic prices has been computed as Rs.147.5 billion. The contribution of maintenance and repair of the motor vehicle industry towards overall GVA stands at Rs.86.2 billion i.e. 58.4% followed by Rs.61.3 billion i.e. 41.6% in the sale, maintenance and repair of motorcycles and related parts and accessories. The contribution of the provinces in the output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices is also presented in the Table 11.10. The contribution of establishments belonging to Punjab province in the GVA is 59.5%, i.e. Rs.87.7 billion followed by 20.4% (Rs.30 billion) by those in KP, 18.5% (Rs.27.3 billion), in Sindh and 1.6% (Rs.2.4 billion) in Balochistan. The shares in GVA by provinces are also presented in Figure 11.9 which indicates Punjab as the leading contributor followed by KP and Sindh.

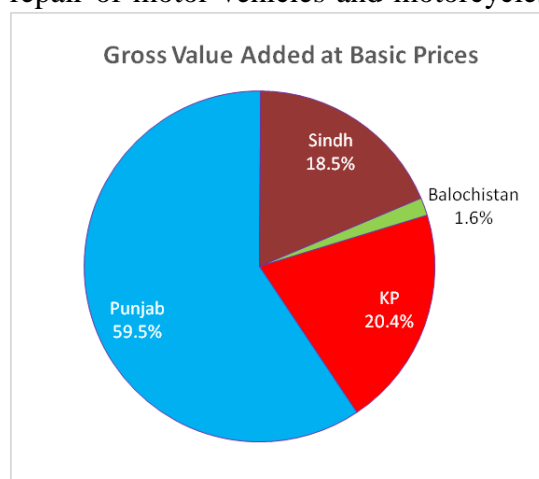


Figure 11.9: GVA by Province

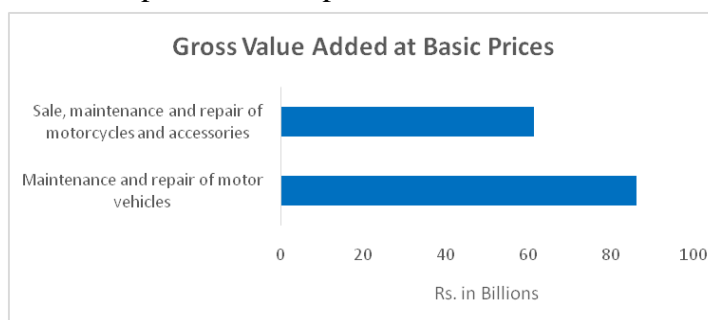


Figure 11.10: Industry-wise GVA

The data illustrated in Figure 11.10, indicates that maintenance and repair of the motor vehicle industry have the major contribution in the GVA which amounts to Rs.86.2 billion whereas that of maintenance and repair of motorcycles stands at Rs.61.3 billion.

Table 11.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|--------------------|---|-----------------------------------|---|---------------------------|---|------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 220,396,342 | 25,630 | 220,370,712 | 72,865,012 | 147,505,701 |
| 452 | Maintenance and repair of motor vehicles | 125,982,798 | 14,306 | 125,968,492 | 39,759,867 | 86,208,625 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 94,413,544 | 11,324 | 94,402,220 | 33,105,144 | 61,297,076 |
| KP | | 41,586,368 | 2,586 | 41,583,781 | 11,561,590 | 30,022,191 |
| 452 | Maintenance and repair of motor vehicles | 29,554,015 | 1,365 | 29,552,650 | 7,738,143 | 21,814,508 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 12,032,353 | 1,222 | 12,031,131 | 3,823,448 | 8,207,684 |
| Punjab | | 131,139,319 | 9,784 | 131,129,536 | 43,396,952 | 87,732,583 |
| 452 | Maintenance and repair of motor vehicles | 72,311,158 | 5,022 | 72,306,136 | 23,000,378 | 49,305,758 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 58,828,161 | 4,761 | 58,823,400 | 20,396,575 | 38,426,825 |
| Sindh | | 43,638,225 | 13,202 | 43,625,024 | 16,289,641 | 27,335,383 |
| 452 | Maintenance and repair of motor vehicles | 21,495,277 | 7,886 | 21,487,391 | 7,999,616 | 13,487,775 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 22,142,949 | 5,315 | 22,137,633 | 8,290,025 | 13,847,609 |
| Balochistan | | 4,032,430 | 59 | 4,032,372 | 1,616,829 | 2,415,543 |
| 452 | Maintenance and repair of motor vehicles | 2,622,348 | 33 | 2,622,315 | 1,021,731 | 1,600,584 |
| 454 | Sale, maintenance and repair of motorcycles and related parts and accessories | 1,410,082 | 26 | 1,410,056 | 595,098 | 814,959 |

**Table 11.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Maintenance & Repair of Motor Vehicles/Motor Cycles**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 0 | 0 | 322,012 | - | - |
| Output at basic Prices (Rs.Million) | 0 | 0 | 220,371 | - | - |
| Intermediate at purchaser's Prices (Rs.Million) | 0 | 0 | 72,865 | - | - |
| Gross Value Added at basic prices (Rs.Million) | 28,701 | 143,652 | 147,506 | 413.94 | 2.68 |
| GFCF (Rs.Million) | 0 | 0 | 4,425 | - | - |

Chapter 12 : Other Service Industry

12.1 Introduction

In this chapter of the report results relating to the “Other Service Industry” are presented. Other service activities, which are described in Section S of the PSIC-2010, include three major divisions i.e. 94-Activities of membership organizations, 95-Repair of computers and personal and household goods and 96-Other personal service activities. As the activities of membership organizations are covered separately under the umbrella of the NGO’s Survey, the current report contains results of the repair of computers and personal and household goods and other personal service activities. The detailed information presented at the 3-digits level of the PSIC is expected to be useful for researchers, academicians, and policymakers.

12.2 Coverage

12.2.1 Geographical Coverage

The summary of coverage at the national and provincial levels is presented in Table 12.1(a). According to the results, there are 517472 establishments engaged in the repair of computers and personal and household goods and other personal service activities in the private sector all over Pakistan. Out of total 517472 establishments, 373913 i.e. 72.3% are located in the province of Punjab followed by 77660 (15.0%) in Sindh, 57729 (11.2%) in KP and 8170 (1.6%) in Balochistan. The province-wise share in the coverage in the repair of computers and personal and household goods and other personal service activities are shown in the Pie chart (Figure 12.1).

Table 12.1(a): Coverage by Province

| | Number of Establishments | % Share |
|-------------|--------------------------|---------|
| Pakistan | 517472 | 100 |
| KP | 57729 | 11.2 |
| Punjab | 373913 | 72.3 |
| Sindh | 77660 | 15 |
| Balochistan | 8170 | 1.6 |

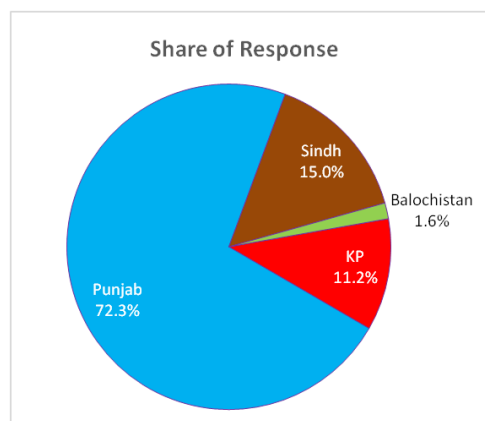


Figure 12.1: Coverage by Province

12.2.2 Industry-wise Coverage

The coverage of establishments engaged in the repair of computers, personal, household goods and other personal service activities by PSIC at the national and provincial levels is presented in Table 12.1(b). According to the data, the majority of the establishments i.e. 246343 were engaged in other personal services, out of which 181870 were in Punjab, 40143 in Sindh, 21724 in KP and 2606 in Balochistan. Repair of personal and household goods has emerged as a second most common activity under the umbrella of other services with 224091 establishments (155319 in Punjab, 33314 in Sindh, 30510 in KP and 4953 in Balochistan). The number of establishments engaged in the repair of computers and peripheral equipment stands at 47038.

Table 12.1(b): Coverage by PSIC

| PSIC | | Pakistan | KP | Punjab | Sindh | Balochistan |
|------|--|----------|-------|--------|-------|-------------|
| | | 517472 | 57729 | 373913 | 77660 | 8170 |
| 951 | Repair of computers and peripheral equipment | 47038 | 5497 | 36724 | 4204 | 613 |
| 952 | Repair of personal and household goods | 224091 | 30510 | 155319 | 33314 | 4953 |
| 960 | Other personal service activities | 246343 | 21724 | 181870 | 40143 | 2606 |

12.3 Seasonal Establishments

The number of establishments with seasonal activity at national and provincial levels is presented in Table 12.2(a). According to the data, the number of establishments operating on seasonal bases stands at 3732 out of 517472 i.e. 0.7% of the total.

Table 12.2(a): Number of Establishments with Seasonal Activity

| PSIC | | Total | Number of Seasonal Establishments | | | | | % Seasonal |
|------|--|---------|-----------------------------------|-----|--------|-------|-------------|------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 517472 | 3732 | 475 | 3051 | 146 | 60 | 0.7% |
| 951 | Repair of computers and peripheral equipment | 47,038 | 69 | 0 | 68 | 0 | 1 | 0.1% |
| 952 | Repair of personal and household goods | 224,091 | 2,061 | 320 | 1554 | 138 | 50 | 0.9% |
| 960 | Other personal service activities | 246,343 | 1,601 | 155 | 1429 | 8 | 9 | 0.6% |

Among the seasonal establishments, 3051 are based in Punjab province out of which 1554 are engaged in repair of personal and household goods and 1429 units in other personal service activities. The number of seasonal establishments stands at 60 in Balochistan out of which majority i.e. 50 are engaged in repair of personal and household goods, whereas 9 other personal service activities. In KP, 475 establishments are seasonal out of which 320 operate in the repair of personal and household goods and 155 in other personal service activities. Out of 146 seasonal establishments in Sindh, 138 are in the repair of personal and household goods and 8 in other personal service activities.

12.4 Registration Status

The number of establishments engaged in other service activities and registered with any government agency by PSIC at national and provincial levels is presented in Table 12.2(b). According to the data about 12058 establishments were observed as registered in the country. The number of registered establishments in Punjab, Sindh, Balochistan, and KP is 11901, 107, 42 and 8 respectively. Among the registered establishments 1122 are engaged in repair of computers and peripheral, 5981 in Repair of personal and household goods and 4955 in other personal service activities.

Table 12.2 (b): Number of Establishments Registered with Government Agencies

| PSIC | | Total | Number of Registered Establishments | | | | | % Registered (Total) |
|------|--|---------|-------------------------------------|----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 517472 | 12058 | 8 | 11901 | 107 | 42 | 2.3 |
| 951 | Repair of computers and peripheral equipment | 47,038 | 1,122 | 0 | 1122 | 0 | 0 | 2.4 |
| 952 | Repair of personal and household goods | 224,091 | 5,981 | 8 | 5899 | 53 | 22 | 2.7 |
| 960 | Other personal service activities | 246,343 | 4,955 | 0 | 4881 | 54 | 20 | 2.0 |

12.5 Maintenance of Accounts

The number of establishments maintaining accounts by PSIC at national and provincial levels is presented in Table 12.2(c). The total number of establishments maintaining their accounts in other service industries stands at 3541 i.e. 0.7% of the total. Among those maintaining accounts 13 belong to KP, 2790 to Punjab, 729 to Sindh and 9 to Balochistan.

Table 12.2(c): Number of Establishments Maintaining Accounts

| PSIC | | Total | Number of Establishments Maintaining Accounts | | | | | % Maintains Accounts |
|------|--|---------|---|----|--------|-------|-------------|----------------------|
| | | | Pakistan | KP | Punjab | Sindh | Balochistan | |
| | | 517472 | 3541 | 13 | 2790 | 729 | 9 | 0.7 |
| 951 | Repair of computers and peripheral equipment | 47,038 | 1,061 | 0 | 951 | 110 | 0 | 2.3% |
| 952 | Repair of personal and household goods | 224,091 | 1,124 | 8 | 797 | 320 | 0 | 0.5% |
| 960 | Other personal service activities | 246,343 | 1,354 | 5 | 1042 | 300 | 9 | 0.5% |

From the industry point of view, 1061 are engaged in the repair of computers and peripheral equipment, 1124 in the repair of personal and household goods and 1354 in other personal service activities.

12.6 Type of Ownership in Other Service Industry

The number of the establishment by type of organization at national and provincial levels is presented in Table 12.3(a). According to the data, the individual ownership accounts for around 98.7% i.e. 511000 out of 517472 total establishments engaged in other service activities.

Table 12.3(a): Number of Establishments by Type of Organization

| Type of Ownership | Pakistan | KP | Punjab | Sindh | Balochistan |
|----------------------|----------|-------|--------|-------|-------------|
| | 517472 | 57730 | 373913 | 77660 | 8170 |
| Individual Ownership | 511000 | 56964 | 369076 | 77039 | 7921 |
| Partnership | 5781 | 738 | 4433 | 471 | 140 |
| Private Ltd. Co. | 49 | - | 49 | - | - |
| Public Ltd. Co | 109 | - | 38 | 71 | - |
| Cooperative | 245 | 9 | 92 | 36 | 109 |
| Others | 288 | 19 | 225 | 44 | - |

The partnership is the second most common form of ownership with 5781 establishments (1.1%). The remaining 0.1% of establishments is owned by Private Limited Companies, Public Limited Companies, Cooperatives and other types of businesses.

Table 12.3(b): Number of Establishments by Type of Organization and PSIC

| PSIC | | Pakistan | Individual Ownership | Partnership | Private Ltd. Co. | Public Ltd. Co. | Cooperative | Others |
|------|--|----------|----------------------|-------------|------------------|-----------------|-------------|--------|
| | | 517472 | 511000 | 5781 | 49 | 109 | 245 | 288 |
| 951 | Repair of computers and peripheral equipment | 47038 | 45986 | 1031 | 0 | 0 | 0 | 22 |
| 952 | Repair of personal and household goods | 224091 | 221746 | 1849 | 49 | 72 | 208 | 169 |
| 960 | Other personal service activities | 246343 | 243268 | 2901 | 0 | 38 | 37 | 98 |

The number of establishments by type of ownership and PSIC industries is presented in Table 12.3(b). According to the table, the number of establishments having individual ownership structure and engaged in repair of computers and peripheral equipment stands at 45986, in the repair of personal and household goods is 221746 and 8349 in other personal service activities. Further, the majority of the establishments i.e. 2901 having partnerships are engaged in other personal service activities followed by 1849 in the repair of personal and household goods and 1031 in the repair of computers and peripheral equipment.

12.7 Employment by Type and Gender

The number of persons engaged by gender and type at national and provincial levels in the other service industry is presented in Table 12.4(a). According to the results, total number of persons engaged in the industry during the reference period is 831872 out of which 522690 (62.8%) were working proprietors followed by 174,612 (21%) engaged as other employees, 101973 (12.3%) unpaid family workers, 25509 (3.1%) technicians, and associate professionals and 7090 (0.9%) managers and professionals.

From a gender point of view, the other services industry is dominated by male employees, as majority i.e. 793150 (95.4%) are male and the remaining 38722 (4.6%) are female. According to the data, out of 92206 total employees in KP, 63.1% are engaged as working proprietors whose majority i.e. 98.03% is male and the remaining 1.97% is females. The number of persons engaged as other employee's stands at 19179 followed by unpaid family workers (11486), technicians and associate professionals (2681) and managers and professionals (650). Out of 161864 total employees in Sindh, 77204 (47.7%) are working proprietors whereas, in Balochistan, 58210 out of 116356 total employees i.e. 63.1% are working proprietors. The proportion of employees engaged as the working proprietor is 67.8% (378467 out of 561447) in Punjab.

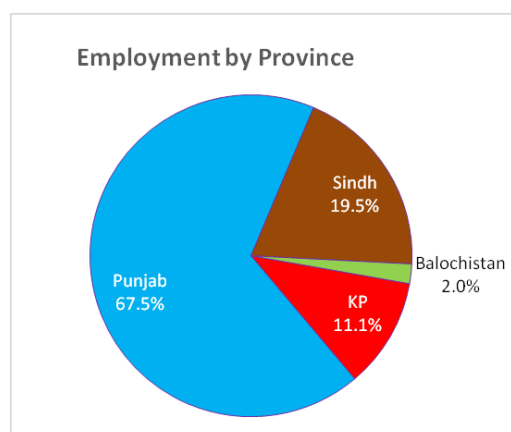


Figure 12.2: Employment by Province

Table 12.4(a): Number of Persons Engaged by Employment Type and Gender

| Gender | Male | Female | Total |
|---|----------------|---------------|----------------|
| Pakistan | 793,150 | 38,722 | 831,872 |
| Working Proprietor | 498,926 | 23,764 | 522,690 |
| Managers and Professionals | 6,820 | 269 | 7,090 |
| Unpaid Family Workers | 97,208 | 4,765 | 101,973 |
| Technicians and associate professionals | 24,709 | 799 | 25,509 |
| Other Employees | 165,487 | 9,125 | 174,612 |
| KP | 90,390 | 1,816 | 92,206 |
| Working Proprietor | 57,365 | 845 | 58,210 |
| Managers and Professionals | 648 | 1 | 650 |
| Unpaid Family Workers | 10,846 | 640 | 11,486 |
| Technicians and associate professionals | 2,660 | 21 | 2,681 |
| Other Employees | 18,871 | 308 | 19,179 |
| Punjab | 531,074 | 30,372 | 561,447 |
| Working Proprietor | 357,838 | 20,629 | 378,467 |
| Managers and Professionals | 2,590 | 16 | 2,606 |
| Unpaid Family Workers | 63,095 | 2,736 | 65,832 |
| Technicians and associate professionals | 14,374 | 778 | 15,152 |
| Other Employees | 93,178 | 6,212 | 99,390 |
| Sindh | 155,428 | 6,436 | 161,864 |
| Working Proprietor | 74,967 | 2,236 | 77,204 |
| Managers and Professionals | 3,572 | 252 | 3,824 |
| Unpaid Family Workers | 21,399 | 1,356 | 22,755 |
| Technicians and associate professionals | 5,623 | 0 | 5,623 |
| Other Employees | 49,868 | 2,591 | 52,459 |
| Balochistan | 16,258 | 99 | 16,356 |
| Working Proprietor | 8,756 | 53 | 8,808 |
| Managers and Professionals | 10 | 0 | 10 |
| Unpaid Family Workers | 1,868 | 32 | 1,900 |
| Technicians and associate professionals | 2,053 | 0 | 2,053 |
| Other Employees | 3,570 | 14 | 3,584 |

Table 12.4(b): Number of Persons Engaged by Employment Type, Gender and PSIC

| PSIC | | Working Proprietor | | | Managers and Professionals | | | Unpaid Family Workers | | | Technicians and associate professionals | | | Other Employees | | | Total | | |
|-------------|--|--------------------|--------|--------|----------------------------|--------|-------|-----------------------|--------|--------|---|--------|-------|-----------------|--------|--------|--------|--------|--------|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Pakistan | | 498926 | 23764 | 522690 | 6820 | 269 | 7090 | 97208 | 4765 | 101973 | 24709 | 799 | 25509 | 165487 | 9125 | 174612 | 793150 | 38722 | 831872 |
| 951 | Repair of computers and peripheral equipment | 48101 | 0 | 48101 | 14 | 0 | 14 | 7514 | 0 | 7514 | 1006 | 0 | 1006 | 8051 | 0 | 8051 | 64686 | 0 | 64686 |
| 952 | Repair of personal and household goods | 224227 | 131 | 224357 | 3305 | 0 | 3305 | 44633 | 167 | 44801 | 12627 | 0 | 12627 | 77371 | 220 | 77591 | 362164 | 518 | 362682 |
| 960 | Other personal service activities n.e.c. | 226598 | 23634 | 250231 | 3502 | 269 | 3771 | 45060 | 4597 | 49658 | 11075 | 799 | 11875 | 80066 | 8905 | 88971 | 366300 | 38206 | 404505 |
| KP | | 57365 | 845 | 58210 | 648 | 1 | 650 | 10846 | 640 | 11486 | 2660 | 21 | 2681 | 18871 | 308 | 19179 | 90390 | 1816 | 92206 |
| 951 | Repair of computers and peripheral equipment | 5650 | 0 | 5650 | 14 | 0 | 14 | 845 | 0 | 845 | 108 | 0 | 108 | 796 | 0 | 796 | 7413 | 0 | 7413 |
| 952 | Repair of personal and household goods | 30560 | 0 | 30560 | 251 | 0 | 251 | 6521 | 0 | 6521 | 1890 | 0 | 1890 | 10241 | 0 | 10241 | 49465 | 0 | 49465 |
| 960 | Other personal service activities n.e.c. | 21154 | 845 | 22000 | 383 | 1 | 384 | 3480 | 640 | 4121 | 662 | 21 | 683 | 7834 | 308 | 8142 | 33513 | 1816 | 35328 |
| Punjab | | 357838 | 20629 | 378467 | 2590 | 16 | 2606 | 63095 | 2736 | 65832 | 14374 | 778 | 15152 | 93178 | 6212 | 99390 | 531074 | 30372 | 561447 |
| 951 | Repair of computers and peripheral equipment | 37609 | 0 | 37609 | 0 | 0 | 0 | 5132 | 0 | 5132 | 628 | 0 | 628 | 4233 | 0 | 4233 | 47603 | 0 | 47603 |
| 952 | Repair of personal and household goods | 155695 | 43 | 155738 | 1498 | 0 | 1498 | 25962 | 0 | 25962 | 7682 | 0 | 7682 | 44641 | 177 | 44818 | 235477 | 220 | 235696 |
| 960 | Other personal service activities n.e.c. | 164534 | 20586 | 185120 | 1093 | 16 | 1108 | 32001 | 2736 | 34738 | 6063 | 778 | 6841 | 44304 | 6036 | 50341 | 247994 | 30153 | 278148 |
| Sindh | | 74967 | 2236 | 77204 | 3572 | 252 | 3824 | 21399 | 1356 | 22755 | 5623 | 0 | 5623 | 49868 | 2591 | 52459 | 155428 | 6436 | 161864 |
| 951 | Repair of computers and peripheral equipment | 4219 | 0 | 4219 | 0 | 0 | 0 | 1414 | 0 | 1414 | 226 | 0 | 226 | 2902 | 0 | 2902 | 8761 | 0 | 8761 |
| 952 | Repair of personal and household goods | 32933 | 88 | 33020 | 1554 | 0 | 1554 | 10960 | 167 | 11127 | 2104 | 0 | 2104 | 21217 | 44 | 21261 | 68770 | 298 | 69067 |
| 960 | Other personal service activities n.e.c. | 37815 | 2149 | 39964 | 2017 | 252 | 2269 | 9023 | 1190 | 10213 | 3293 | 0 | 3293 | 25749 | 2547 | 28297 | 77899 | 6139 | 84037 |
| Balochistan | | 8756 | 53 | 8808 | 10 | 0 | 10 | 1868 | 32 | 1900 | 2053 | 0 | 2053 | 3570 | 14 | 3584 | 16258 | 99 | 16356 |
| 951 | Repair of computers and peripheral equipment | 623 | 0 | 623 | 0 | 0 | 0 | 123 | 0 | 123 | 44 | 0 | 44 | 121 | 0 | 121 | 910 | 0 | 910 |
| 952 | Repair of personal and household goods | 5038 | 0 | 5038 | 2 | 0 | 2 | 1189 | 0 | 1189 | 952 | 0 | 952 | 1271 | 0 | 1271 | 8455 | 0 | 8455 |
| 960 | Other personal service activities n.e.c. | 3095 | 53 | 3148 | 8 | 0 | 8 | 555 | 32 | 588 | 1056 | 0 | 1056 | 2178 | 14 | 2192 | 6893 | 99 | 6992 |

Further details of the number of persons engaged by PSIC, type, and gender during 2016-17 at national and provincial levels are presented in Table 12.4(b). According to the data in Figure 12.3, the proportion of employees engaged in other service activities and belonging to Punjab, Sindh, KP, and Balochistan stand at 67.5%, 19.5%, 11.1%, and 2.0%.

According to the industry-wise details, the majority of the employees i.e. 404505 (48.6%) in other personal service activities followed by 362682 (43.6%) in the repair of personal and household goods and 64686 (7.8%) in the repair of computers and peripheral equipment industry.

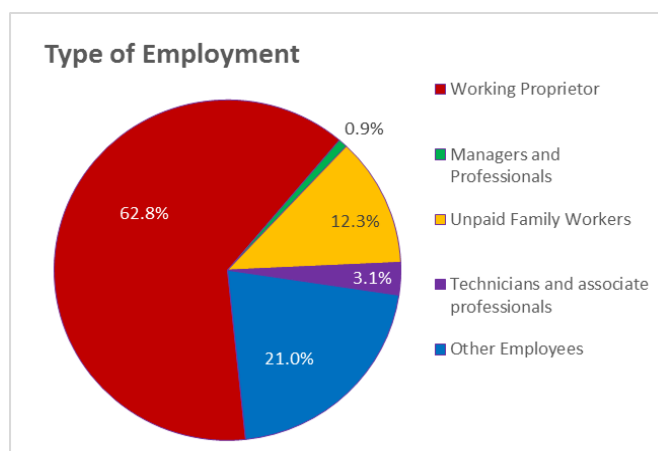


Figure 12.3: Employment by Type

12.8 Employment Cost

Employment cost incurred by establishments engaged in other service industries at national and provincial levels is presented in Table 12.5. Employment cost has been estimated at a detailed industry level separately including wages & salaries in cash, other cash payments and payments in kind i.e. non-cash benefits. According to the results, expenditure on the employment cost in the other services activities has been estimated at Rs.43.8 billion including Rs.39.7 billion on wages & salaries in cash, Rs.740.0 million on other cash payments and Rs.3.4 billion on payments in kind i.e. non-cash benefits.

The distribution of employment cost by industries suggests that in other personal service activities, expenditure on employment stands at Rs.23.1 billion (52.8%) including Rs.20.8 billion on wages & salaries in cash, Rs.634.2 million on other cash payments and Rs.1.6 billion on payments in kind. Expenditure on employment cost by establishments engaged in repair of personal and household goods stands at Rs.18.0 billion (41.2% of total) out of which Rs.16.4 billion were paid on account of wages & salaries in cash, Rs.98.9 million on other cash payments and Rs.1.5 billion on non-cash benefits. An overview of the distribution of the employment cost among the industries is also presented in Figure 12.4.

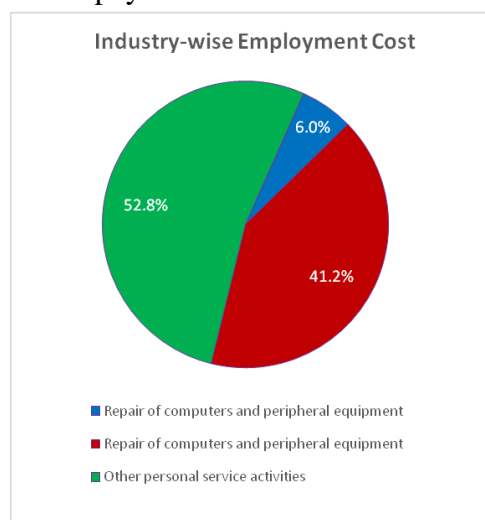


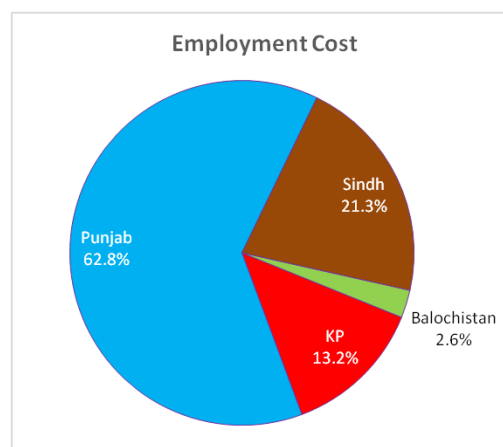
Figure 12.4: Employment Cost by Industry

Provincial distribution of employment cost suggests that most of the employment cost has been incurred by establishments in Punjab i.e. Rs.27.5 Billion (62.8%) out of which Rs.25.4 billion is in the form of wages and salaries in cash, Rs.138.4 million on other cash payments and Rs.1.9 billion on payment in kind.

Table 12.5: Employment Cost by PSIC (Rs. in '000')

| PSIC | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|-------------|--|------------------|---------------------|-------------------------------------|----------|
| 1 | | 2 | 3 | 4 | 5 |
| Pakistan | | 39667755 | 739980 | 3355259 | 43762994 |
| 951 | Repair of computers and peripheral equipment | 2456046 | 6869 | 177818 | 2640733 |
| 952 | Repair of personal and household goods | 16366524 | 98896 | 1546225 | 18011645 |
| 960 | Other personal service activities | 20845186 | 634213 | 1631217 | 23110616 |
| KP | | 4814893 | 8504 | 972633 | 5796029 |
| 951 | Repair of computers and peripheral equipment | 273868 | 382 | 52448 | 326697 |
| 952 | Repair of personal and household goods | 2259862 | 7265 | 525659 | 2792785 |
| 960 | Other personal service activities | 2281164 | 856 | 394526 | 2676547 |
| Punjab | | 25397421 | 138447 | 1946140 | 27482008 |
| 951 | Repair of computers and peripheral equipment | 1802983 | 6421 | 113653 | 1923056 |
| 952 | Repair of personal and household goods | 10335871 | 56265 | 885270 | 11277403 |
| 960 | Other personal service activities | 13258569 | 75761 | 947217 | 14281546 |
| Sindh | | 8466888 | 579507 | 294705 | 9341100 |
| 951 | Repair of computers and peripheral equipment | 325049 | 66 | 10212 | 335327 |
| 952 | Repair of personal and household goods | 3425937 | 22211 | 124490 | 3572638 |
| 960 | Other personal service activities | 4715901 | 557230 | 160003 | 5433135 |
| Balochistan | | 988553 | 13522 | 141782 | 1143857 |
| 951 | Repair of computers and peripheral equipment | 325049 | 66 | 10212 | 335327 |
| 952 | Repair of personal and household goods | 3425937 | 22211 | 124490 | 3572638 |
| 960 | Other personal service activities | 4715901 | 557230 | 160003 | 5433135 |

In KP, Rs.5.8 billion (13.2%) has been spent on employment cost in other service industry out of which Rs.4.8 billion were on wages and salaries, Rs.8.5 million on other cash payments and Rs.972.6 million on non-cash benefits. The share in employment cost of establishments based in Sindh stands at Rs.9.3 billion out of which Rs.8.5 billion were incurred on wages & salaries in cash, Rs.579.5 million on other cash payments and Rs.294.7 million as payments in kind. Only 2.6% of the total employment cost has been incurred by establishments based in Balochistan. The provincial distribution of employment cost in the other service industry is also presented in Figure 12.5.

**Figure 12.5: Employment Cost by Province**

12.9 Input Cost by Industry and Product

The detail of expenditures incurred by establishments engaged in other services on inputs during 2016-17 by products is presented in Table 12.6(a). According to data, the total expenditure on inputs in other services industry amounts to Rs.96.6 billion. As per details of product-wise expenditure, expenditure on material for repair and maintenance has emerged as the major input with Rs.30.7 billion i.e. 31.8% of the total expenses. The expenditure on rent of building is Rs.17.4 billion (18%) followed by expenses incurred on other expenditure worth of Rs.15.3 billion (15.8 %), electricity charges Rs.10.9 billion (11.3%) and entertainment charge Rs.8.1 billion (8.4%). The expenditure on telephone/ fax/ telegraph/ internet is Rs.3.2 billion (3.4%), payment for current repair and maintenance work done by others on this establishment's fixed assets is Rs.2.5 billion (2.6%) and Rs.1.4 billion each in water charges and fuel and lubricants.

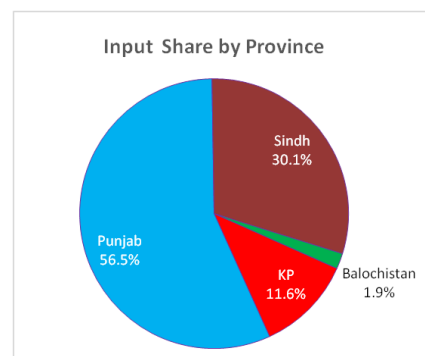


Figure 12.6: Intermediate Consumption by Province

Table 12.6(a): Input Cost by Product

| Items of expenditure | Code | Rs. in '000' | % share |
|---|------|-------------------|------------|
| Accounting, secretarial and audit fees | 401 | 4,511 | 0.0 |
| Advertising and promotion | 402 | 91,641 | 0.1 |
| Bank charges | 403 | 75,837 | 0.1 |
| Electricity Charges | 404 | 10,867,391 | 11.3 |
| Entertainment Charges | 405 | 8,077,102 | 8.4 |
| Expenditure on stationery and office supplies | 406 | 361,964 | 0.4 |
| Expenditure on prepared food including grocery | 407 | 927,500 | 1.0 |
| Expenditure on sports goods (Balls, bats, rackets, uniforms etc.) | 408 | 32,247 | 0.0 |
| Expenditure on uniforms | 409 | 43,372 | 0.0 |
| Fuel and Lubricants | 410 | 1,419,343 | 1.5 |
| Gas Charges | 411 | 1,184,719 | 1.2 |
| Insurance Premium | 412 | 37,731 | 0.0 |
| Interest paid | 413 | 9,077 | 0.0 |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | 348,406 | 0.4 |
| Material for repair and maintenance | 415 | 30,685,313 | 31.8 |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | 2,517,805 | 2.6 |
| Payment for data processing and other services related to information technology | 417 | 34,467 | 0.0 |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 418 | 126,963 | 0.1 |
| Payment for security services | 419 | 158,065 | 0.2 |
| Postage/Courier | 420 | 146,651 | 0.2 |
| Rent of Building | 421 | 17,421,922 | 18.0 |
| Telephone/Fax/Telegraph/ Internet | 422 | 3,239,944 | 3.4 |
| Transportation Charges | 423 | 825,560 | 0.9 |
| Travel Expenses | 424 | 1,179,679 | 1.2 |
| Water Charges | 425 | 1,456,921 | 1.5 |
| Other Expenditure n.e.c. | 426 | 15,291,712 | 15.8 |
| Total | | 96,565,841 | 100 |

Table 12.6(b): Input Cost by PSIC and Product (Rs. in '000')

| PSIC | | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 |
|-------------|--|------|-------|-------|----------|---------|--------|--------|-------|-------|---------|---------|-------|------|--------|----------|
| Pakistan | | 4511 | 91641 | 75837 | 10867391 | 8077102 | 361964 | 927500 | 32247 | 43372 | 1419343 | 1184719 | 37731 | 9077 | 348406 | 30685313 |
| 951 | Repair of computers and peripheral equipment | 1980 | 16140 | 11503 | 1091578 | 649715 | 32673 | 52505 | 210 | 930 | 119889 | 4368 | 10866 | 1347 | 46582 | 6882899 |
| 952 | Repair of personal and household goods | 1635 | 12253 | 25492 | 4583235 | 4008629 | 134962 | 452188 | 13917 | 23871 | 723773 | 547410 | 9908 | 1725 | 274107 | 20309586 |
| 960 | Other personal service activities | 895 | 63249 | 38843 | 5192577 | 3418758 | 194330 | 422807 | 18120 | 18570 | 575681 | 632942 | 16958 | 6006 | 27717 | 3492827 |
| KP | | 0 | 5029 | 2726 | 910890 | 851906 | 61134 | 285286 | 14674 | 5907 | 141563 | 186060 | 272 | 222 | 51669 | 4012489 |
| 951 | Repair of computers and peripheral equipment | 0 | 77 | 0 | 102700 | 97675 | 2366 | 12305 | 210 | 0 | 10277 | 649 | 0 | 10 | 572 | 541347 |
| 952 | Repair of personal and household goods | 0 | 2483 | 2058 | 482964 | 421141 | 14884 | 122732 | 7086 | 5369 | 95832 | 133701 | 53 | 212 | 46435 | 3212641 |
| 960 | Other personal service activities | 0 | 2469 | 668 | 325227 | 333091 | 43884 | 150250 | 7378 | 537 | 35454 | 51711 | 219 | 0 | 4663 | 258501 |
| Punjab | | 2730 | 68861 | 59184 | 5810346 | 3827317 | 251625 | 288447 | 3955 | 23028 | 758369 | 723085 | 29754 | 7484 | 253227 | 17812374 |
| 951 | Repair of computers and peripheral equipment | 1980 | 9781 | 11369 | 630727 | 454316 | 25673 | 24589 | 0 | 930 | 83305 | 3546 | 10586 | 1336 | 45793 | 3248339 |
| 952 | Repair of personal and household goods | 297 | 7520 | 19433 | 2307550 | 1651589 | 102628 | 105663 | 1385 | 11785 | 317132 | 247674 | 3316 | 1463 | 201728 | 12585613 |
| 960 | Other personal service activities | 452 | 51560 | 28383 | 2872068 | 1721408 | 123322 | 158195 | 2570 | 10311 | 357931 | 471865 | 15853 | 4685 | 5707 | 1978423 |
| Sindh | | 1338 | 17752 | 11134 | 4014166 | 3232096 | 45756 | 217154 | 8828 | 13393 | 487818 | 265304 | 6248 | 0 | 42296 | 8344128 |
| 951 | Repair of computers and peripheral equipment | 0 | 6282 | 133 | 350636 | 86125 | 4634 | 4628 | 0 | 0 | 22862 | 0 | 0 | 0 | 113 | 3046516 |
| 952 | Repair of personal and household goods | 1338 | 2251 | 2222 | 1736048 | 1842129 | 15982 | 144764 | 5350 | 6687 | 293883 | 159152 | 6248 | 0 | 25012 | 4125077 |
| 960 | Other personal service activities | 0 | 9219 | 8780 | 1927483 | 1303843 | 25140 | 67762 | 3479 | 6706 | 171074 | 106152 | 0 | 0 | 17171 | 1172535 |
| Balochistan | | 443 | 0 | 2791 | 131990 | 165783 | 3450 | 136612 | 4790 | 1045 | 31594 | 10270 | 1457 | 1371 | 1215 | 516321 |
| 951 | Repair of computers and peripheral equipment | 0 | 0 | 0 | 7515 | 11600 | 0 | 10983 | 0 | 0 | 3445 | 173 | 280 | 0 | 105 | 46697 |
| 952 | Repair of personal and household goods | 0 | 0 | 1781 | 56673 | 93770 | 1468 | 79029 | 98 | 29 | 16926 | 6885 | 292 | 50 | 934 | 386256 |
| 960 | Other personal service activities | 443 | 0 | 1011 | 67800 | 60414 | 1982 | 46600 | 4693 | 1016 | 11223 | 3213 | 886 | 1321 | 176 | 83369 |

Note: Please see Table 12.6(a) for the description of product codes

Table 12.6(b): Input Cost by PSIC and Product (Rs. in '000')

| PSIC | | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 400 |
|-------------|--|---------|-------|--------|--------|--------|----------|---------|--------|---------|---------|----------|----------|
| Pakistan | | 2517805 | 34467 | 126963 | 158065 | 146651 | 17421922 | 3239944 | 825560 | 1179679 | 1456921 | 15291712 | 96565841 |
| 951 | Repair of computers and peripheral equipment | 95405 | 23182 | 9099 | 16677 | 25399 | 2204657 | 386475 | 103624 | 173437 | 33024 | 453490 | 12447657 |
| 952 | Repair of personal and household goods | 1573368 | 4411 | 110855 | 97709 | 66021 | 7129741 | 875172 | 447816 | 600318 | 363584 | 2017918 | 44409597 |
| 960 | Other personal service activities | 849032 | 6873 | 7009 | 43681 | 55231 | 8087523 | 1978299 | 274121 | 405924 | 1060312 | 12820305 | 39708587 |
| KP | | 269680 | 690 | 1520 | 23042 | 16339 | 1729340 | 229532 | 264909 | 166320 | 230671 | 1705390 | 11167260 |
| 951 | Repair of computers and peripheral equipment | 17993 | 89 | 236 | 4213 | 639 | 162646 | 34848 | 41879 | 25830 | 1794 | 169628 | 1227981 |
| 952 | Repair of personal and household goods | 121235 | 370 | 764 | 10174 | 3980 | 862127 | 115387 | 174973 | 98902 | 75972 | 383750 | 6395225 |
| 960 | Other personal service activities | 130453 | 230 | 519 | 8655 | 11719 | 704567 | 79297 | 48057 | 41588 | 152904 | 1152010 | 3544056 |
| Punjab | | 1043727 | 25607 | 109891 | 42982 | 98968 | 10356697 | 1222758 | 314449 | 855283 | 495314 | 10090040 | 54575500 |
| 951 | Repair of computers and peripheral equipment | 66441 | 18722 | 8637 | 9225 | 21445 | 1452492 | 242466 | 48973 | 137176 | 17285 | 249320 | 6824455 |
| 952 | Repair of personal and household goods | 383772 | 3247 | 99297 | 28332 | 50636 | 3943342 | 507412 | 178591 | 416159 | 97385 | 1068746 | 24341699 |
| 960 | Other personal service activities | 593513 | 3638 | 1957 | 5426 | 26887 | 4960862 | 472879 | 86885 | 301947 | 380645 | 8771975 | 23409346 |
| Sindh | | 1176430 | 7237 | 15552 | 85052 | 21743 | 4831558 | 1740849 | 239195 | 151392 | 647269 | 3399879 | 29023567 |
| 951 | Repair of computers and peripheral equipment | 10814 | 4371 | 226 | 3004 | 3315 | 566537 | 102599 | 12601 | 10064 | 13753 | 34543 | 4283756 |
| 952 | Repair of personal and household goods | 1052261 | 0 | 10793 | 54966 | 6265 | 2158438 | 230266 | 89362 | 79478 | 178424 | 559378 | 12785771 |
| 960 | Other personal service activities | 113355 | 2866 | 4533 | 27083 | 12163 | 2106583 | 1407984 | 137233 | 61850 | 455093 | 2805959 | 11954042 |
| Balochistan | | 27968 | 933 | 0 | 6989 | 9601 | 504327 | 46805 | 7006 | 6683 | 83667 | 96403 | 1799513 |
| 951 | Repair of computers and peripheral equipment | 157 | 0 | 0 | 235 | 0 | 22983 | 6562 | 171 | 368 | 192 | 0 | 111467 |
| 952 | Repair of personal and household goods | 16098 | 794 | 0 | 4236 | 5138 | 165833 | 22104 | 4889 | 5777 | 11802 | 6042 | 886902 |
| 960 | Other personal service activities | 11712 | 139 | 0 | 2517 | 4463 | 315511 | 18138 | 1946 | 539 | 71673 | 90361 | 801143 |

Note: Please see Table 12.6(a) for the description of product codes

Other major expenses are gas charges, travel expenses, expenditure on prepared food including grocery and transportation charges, that costs Rs.1.2 billion (1.5%), Rs.1.2 billion (1.5%), and Rs.825.6 million (0.9%) respectively. The input cost on the remaining products stands around Rs.1.6 billion (1.6%). Further details of the expenditure by products and PSIC at national and provincial levels in the other service industry are reported in Table 12.6(b). According to industry-wise data, the share of establishments engaged in repair of personal and household goods stands at 46.0% followed by those in other personal service activities at 41.1% and repair of computers and peripheral equipment spends (12.9%).

The percentage share in input cost by provinces is presented in Figure 12.6. It can be observed from the chart that the contribution of establishments belonging to Punjab in intermediate consumption is highest at Rs.54.6 billion (56.5%), followed by Sindh worth of Rs.29 billion (30.1%). The share of establishments belonging to KP and Balochistan in total inputs stands at Rs.11.2 billion (11.6%) and Rs.1.8 billion (1.9%) respectively.

12.10 Taxes and Depreciation

The detail of taxes paid and depreciation charged by establishments engaged in other service activities is presented in Table 12.7. The total taxes paid in other services industry in Pakistan amounts to Rs.3.6 billion of which Rs.3.8 million (0.11%) was GST, 0.09% (Rs.3.1 million) were motor vehicle/land tax, Rs.3.7 million (0.1%) were excise/import duties, Rs.2.9 billion (82.4%) provincial/ district taxes and Rs.618.4 million (17.3%) were other taxes. The total depreciation charged during the financial year 2016-17 stands at Rs.8.9 million.

The provincial shares in the taxes suggest that 60.0% (Rs.2.1 billion) were paid by establishments belonging to Punjab followed by those in KP at 38.2% (Rs.1.4 billion) and Sindh at 1.8% (Rs.65 million). The summary of taxes by provinces is presented in Figure 12.7.

Data on depreciation, presented in Table 12.7 and illustrated by the pie chart in Figure 12.8, suggest that share of establishments belonging to Punjab province stands at 85.7% followed by 8.2% in KP, 6.1% in Sindh. The share of establishments belonging to Balochistan in total depreciation is negligible.

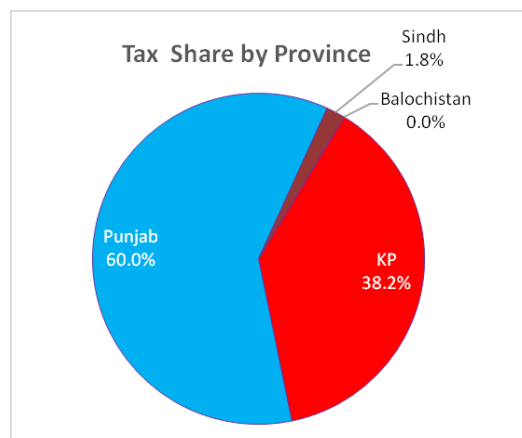


Figure 12.7: Taxes by Province

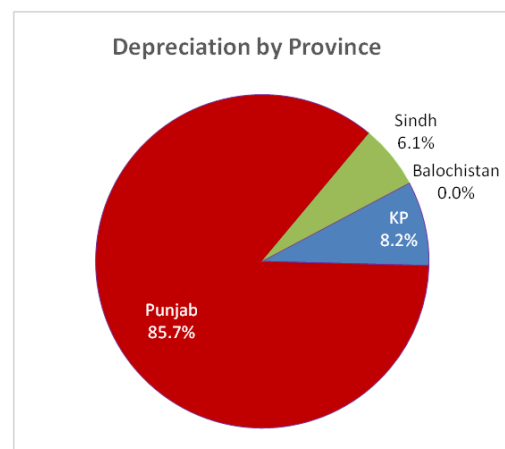


Figure 12.8: Province-wise share in Depreciation

Table 12.7: Taxes and Depreciation by PSIC (Rs. in '000')

| PSIC | | General Sales Taxes | Motor Vehicle Tax/Land Tax | Excise/Import Duty | Provincial/District taxes | Other Taxes | Total Taxes | Depreciation |
|-------------|--|---------------------|----------------------------|--------------------|---------------------------|-------------|-------------|--------------|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Pakistan | | 3759 | 3139 | 3712 | 2947366 | 618422 | 3576397 | 8861 |
| 951 | Repair of computers and peripheral equipment | 429 | 328 | 93 | 2057212 | 2737 | 2060799 | 963 |
| 952 | Repair of personal and household goods | 672 | 614 | 1851 | 367033 | 32467 | 402637 | 3453 |
| 960 | Other personal service activities | 2659 | 2198 | 1769 | 523120 | 583217 | 1112961 | 4444 |
| KP | | 0 | 0 | 33 | 789834 | 575300 | 1365167 | 725 |
| 951 | Repair of computers and peripheral equipment | 0 | 0 | 0 | 14 | 0 | 14 | 297 |
| 952 | Repair of personal and household goods | 0 | 0 | 33 | 359317 | 708 | 360058 | 128 |
| 960 | Other personal service activities | 0 | 0 | 0 | 430503 | 574592 | 1005096 | 299 |
| Punjab | | 3280 | 217 | 284 | 2107561 | 34517 | 2145859 | 7592 |
| 951 | Repair of computers and peripheral equipment | 429 | 197 | 0 | 2057174 | 2591 | 2060391 | 666 |
| 952 | Repair of personal and household goods | 672 | 0 | 35 | 7046 | 26706 | 34459 | 2824 |
| 960 | Other personal service activities | 2181 | 20 | 249 | 43341 | 5219 | 51009 | 4103 |
| Sindh | | 479 | 2921 | 3395 | 49970 | 8255 | 65020 | 544 |
| 951 | Repair of computers and peripheral equipment | 0 | 131 | 93 | 24 | 146 | 394 | 0 |
| 952 | Repair of personal and household goods | 0 | 614 | 1783 | 670 | 4804 | 7870 | 502 |
| 960 | Other personal service activities | 479 | 2178 | 1520 | 49275 | 3306 | 56757 | 43 |
| Balochistan | | 0 | 0 | 0 | 0 | 350 | 350 | 0 |
| 951 | Repair of computers and peripheral equipment | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 952 | Repair of personal and household goods | 0 | 0 | 0 | 0 | 250 | 250 | 0 |
| 960 | Other personal service activities | 0 | 0 | 0 | 0 | 100 | 100 | 0 |

12.11 Output by Industry and Product

The output of establishments engaged in other service activities by products at the national level is reported in Table 12.8(a) along with a description of products, their codes, and revenue in absolute and relative terms.

Table 12.8(a): Output by Product (Rs. in '000')

| Products | Codes | Rs. in '000' | % share |
|--|-------|--------------|---------|
| Income from repair of computers and peripheral equipment | 601 | 4,841,280 | 1.2 |
| Income from repair and maintenance of communication equipment | 602 | 39,261,436 | 9.9 |
| Income from repair of consumer electronics | 603 | 50,863,420 | 12.8 |
| Income from repair of household appliances and home and garden equipment | 604 | 28,003,682 | 7.1 |
| Income from repair of footwear and leather goods | 605 | 4,688,572 | 1.2 |
| Income from repair of furniture and home furnishings | 606 | 19,036,886 | 4.8 |
| Others income from repair of personal and household goods | 607 | 31,024,746 | 7.8 |
| Income from laundering (dry) cleaning, pressing etc. | 608 | 30,421,923 | 7.7 |
| Income from hairdressing and other beauty treatment activities | 609 | 151,441,994 | 38.2 |
| Other Income | 610 | 37,258,789 | 9.4 |
| Total | 600 | 396,842,727 | 100 |

Table 12.8(b): Output by PSIC and Product (Rs. in '000')

| PSIC | | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 600 |
|-------------|--|---------|----------|----------|----------|---------|----------|----------|----------|-----------|----------|-----------|
| Pakistan | | 4841280 | 39261436 | 50863420 | 28003682 | 4688572 | 19036886 | 31024746 | 30421923 | 151441994 | 37258789 | 396842727 |
| 951 | Repair of computers and peripheral equipment | 1916900 | 38084553 | 1244929 | 415947 | 101719 | 0 | 858959 | 96 | 49590 | 1426137 | 44098830 |
| 952 | Repair of personal and household goods | 1947820 | 1107912 | 49579622 | 27585847 | 4058859 | 19019034 | 29924631 | 816447 | 1570898 | 26585389 | 162196461 |
| 960 | Other personal service activities | 976561 | 68971 | 38868 | 1887 | 527993 | 17852 | 241156 | 29605379 | 149821507 | 9247261 | 190547435 |
| KP | | 425315 | 2984304 | 4358724 | 3204855 | 788117 | 977323 | 7249704 | 202164 | 10741235 | 2847797 | 33779538 |
| 951 | Repair of computers and peripheral equipment | 170862 | 2758507 | 20025 | 0 | 15525 | 0 | 0 | 96 | 38078 | 367681 | 3370773 |
| 952 | Repair of personal and household goods | 241604 | 221405 | 4334495 | 3204855 | 767710 | 970848 | 7194078 | 5758 | 80700 | 1484834 | 18506287 |
| 960 | Other personal service activities | 12850 | 4392 | 4204 | 0 | 4882 | 6475 | 55625 | 196310 | 10622457 | 995282 | 11902478 |
| Punjab | | 2887340 | 13074591 | 18374843 | 18973203 | 2928171 | 2205554 | 17683618 | 9428529 | 58935991 | 12762402 | 157254241 |
| 951 | Repair of computers and peripheral equipment | 1371031 | 12232951 | 1136957 | 375963 | 86194 | 0 | 805953 | 0 | 11512 | 1008813 | 17029376 |
| 952 | Repair of personal and household goods | 1161303 | 785300 | 17203221 | 18595353 | 2556162 | 2194178 | 16749681 | 535214 | 413088 | 7484617 | 67678117 |
| 960 | Other personal service activities | 355004 | 56339 | 34664 | 1887 | 285814 | 11376 | 127984 | 8893315 | 58511391 | 4268973 | 72546747 |
| Sindh | | 1184696 | 23008031 | 27791160 | 5442512 | 924550 | 15781523 | 5574268 | 20731630 | 79981440 | 21137811 | 201557621 |
| 951 | Repair of computers and peripheral equipment | 341667 | 22903101 | 83059 | 39984 | 0 | 0 | 49122 | 0 | 0 | 49643 | 23466575 |
| 952 | Repair of personal and household goods | 236140 | 96690 | 27708101 | 5402528 | 687253 | 15781524 | 5467599 | 273376 | 1076397 | 17246494 | 73976101 |
| 960 | Other personal service activities | 606889 | 8240 | 0 | 0 | 237297 | 0 | 57547 | 20458255 | 78905043 | 3841674 | 104114946 |
| Balochistan | | 343930 | 194510 | 338693 | 383113 | 47734 | 72485 | 517156 | 59600 | 1783328 | 510778 | 4251327 |
| 951 | Repair of computers and peripheral equipment | 33340 | 189994 | 4888 | 0 | 0 | 0 | 3883 | 0 | 0 | 0 | 232105 |
| 952 | Repair of personal and household goods | 308772 | 4517 | 333806 | 383114 | 47734 | 72485 | 513273 | 2100 | 713 | 369446 | 2035957 |
| 960 | Other personal service activities | 1817 | 0 | 0 | 0 | 0 | 0 | 0 | 57500 | 1782615 | 141333 | 1983265 |

Note: Please see table 12.8(a) for the description of product codes

The total earnings generated by the other services industry during 2016-17 amounts to Rs.396.8 billion. From the product's point of view, the major contribution comes from income from hairdressing and other beauty treatment activities (Rs.151.4 billion) and income from repair of consumer electronics (Rs.50.9 billion) contributing 38.2% and 12.8% respectively. The contribution of income from repair and maintenance of communication equipment is Rs.39.3 billion (9.9%) followed by other income Rs.37.2 billion (9.4%), others income from repair of personal and household goods Rs.31 billion (7.8%), income from laundering (dry) cleaning, pressing, etc. Rs.30.4 billion (7.7%), income from repair of household appliances and home and garden equipment Rs.28 billion (7.1%), income from repair of furniture and home furnishings Rs.19 billion (4.8%), income from repair of computers and peripheral equipment Rs.4.8 billion (1.2%) and income from repair of footwear and leather goods Rs.4.7 billion (1.2%).

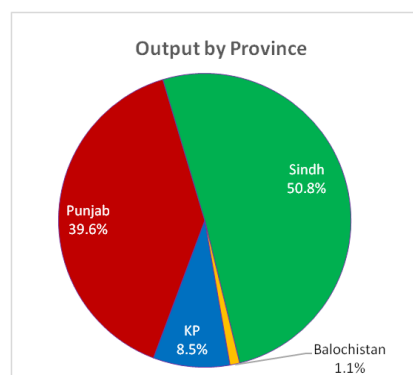


Figure 12.9: Province-wise share in Output

The provincial distribution of output is presented both in Table 12.8(b) and Figure 12.9. The data suggest that most of the contribution i.e. Rs.157.2 billion (39.6%) in total output is made by establishments based in Sindh followed by those in Punjab Rs.149.9 billion (37.8%). The output of establishments from KP and Balochistan stands at Rs.33.8 billion and Rs.4.2 billion respectively.

12.12 Gross Fixed Capital Formation

The GFCF related expenditure by establishments engaged in other service industries at national and provincial levels is reported in Table 12.9. According to the data, total expenditure on GFCF reported during 2016-17 amounts to Rs.6.2 billion. From the industry point of view, the major contributions are from other personal service activities (Rs.3.4 billion) i.e. 54.0% followed by Rs.2.4 billion (38.8%) in the repair of personal and household goods and Rs.454.3 million (7.3%) in the repair of computers and peripheral equipment.

As far as product-wise expenditure on GFCF is concerned, the major chunk of GFCF i.e. Rs.4.8 billion has been reported under the head of machinery and equipment, contributing 76% of the total GFCF. The share of other buildings and structure in total GFCF is 21.5% (Rs.1.3 billion), dwelling (Residential buildings) is 2% (Rs.126.8 million) and of intellectual property, the product is 0.5% (Rs.30.4 million). The GFCF at the provincial level is also given in Table 12.9. Almost 52.9% (Rs.3.3 billion) of the total GFCF has been reported by establishments based in Sindh followed by 37.1% (Rs.2.3 billion) in Punjab, 8.2% (Rs.511 million) in KP and 1.8% in Balochistan. The province-wise shares in GFCF are also shown in Figure 12.10.

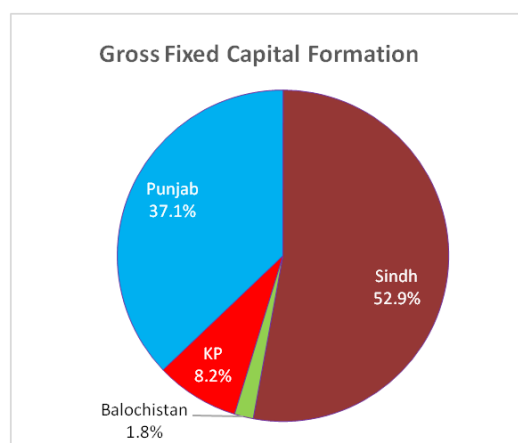


Figure 12.10: GFCF by Province

Table 12.9: GFCF by Type of Assets and PSIC (Rs. in '000')

| PSIC | | Dwelling (Residential) | Other building and structure | Machinery and equipment | Intellectual Property Products | Total |
|-------------|--|---------------------------|---------------------------------------|-------------------------------|--------------------------------------|---------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 126772 | 1342485 | 4752534 | 30410 | 6252201 |
| 951 | Repair of computers and peripheral equipment | 229 | 25225 | 423447 | 5362 | 454264 |
| 952 | Repair of personal and household goods | 50607 | 515919 | 1850423 | 7568 | 2424517 |
| 960 | Other personal service activities | 75935 | 801341 | 2478663 | 17481 | 3373421 |
| KP | | 94 | 18385 | 490966 | 1542 | 510987 |
| 951 | Repair of computers and peripheral equipment | 0 | 5052 | 61672 | 1110 | 67834 |
| 952 | Repair of personal and household goods | 94 | 3736 | 195329 | 278 | 199438 |
| 960 | Other personal service activities | 0 | 9597 | 233965 | 152 | 243715 |
| Punjab | | 306 | 130661 | 2167617 | 22957 | 2321541 |
| 951 | Repair of computers and peripheral equipment | 0 | 15855 | 255869 | 3785 | 275510 |
| 952 | Repair of personal and household goods | 0 | 24870 | 393933 | 3232 | 422036 |
| 960 | Other personal service activities | 306 | 89934 | 1517817 | 15940 | 1623996 |
| Sindh | | 126372 | 1171959 | 2002450 | 3673 | 3304454 |
| 951 | Repair of computers and peripheral equipment | 229 | 4317 | 88525 | 0 | 93072 |
| 952 | Repair of personal and household goods | 50513 | 480176 | 1227291 | 2302 | 1760282 |
| 960 | Other personal service activities | 75630 | 687466 | 686635 | 1372 | 1451100 |
| Balochistan | | 0 | 21480 | 91501 | 2238 | 115218 |
| 951 | Repair of computers and peripheral equipment | 0 | 0 | 17382 | 467 | 17848 |
| 952 | Repair of personal and household goods | 0 | 7137 | 33872 | 1754 | 42762 |
| 960 | Other personal service activities | 0 | 14344 | 40247 | 17 | 54608 |

12.13 Summary Findings: Other Service Industry

Summary findings of the study on “Other service activities 2016-17” are presented in Table 12.10. The total output at producer’s prices in the other service has been estimated at Rs.396.8 billion which becomes Rs.396.2 billion at basic prices after the deduction of net taxes on products amounting to Rs.622.1 million. The total intermediate consumption at purchaser’s prices is valued at Rs.96.5 billion. Resultantly, overall GVA at basic prices has been computed as Rs.299.7 billion. According to the data, the contribution of other personal service activities, that includes the subclass of hairdressing, washing, and cleaning of the textiles towards overall GVA stands at Rs.150.3 billion i.e. 50.1% followed by Rs.117.8 billion i.e. 39.3% in repair of personal and household goods and finally Rs.31.7 billion (10.6%) in repair of computers and peripheral equipment.

The provincial contributions in output at producer's price, net taxes, output at a basic price, intermediate consumption at purchaser's price and GVA at basic prices are also presented in Table 12.10. The contribution of Sindh in total GVA is 57.6%, i.e. Rs.172.5 billion followed by 34.3% i.e. Rs.102.7 billion in Punjab and 7.4% i.e. Rs.22 billion in KP. The share of establishments belonging to Balochistan is 0.8%. The provincial shares in GVA are also presented in Figure 12.11. It is evident that Sindh is the major contributor towards the GVA of other service industry whereas the share of Balochistan is lowest.

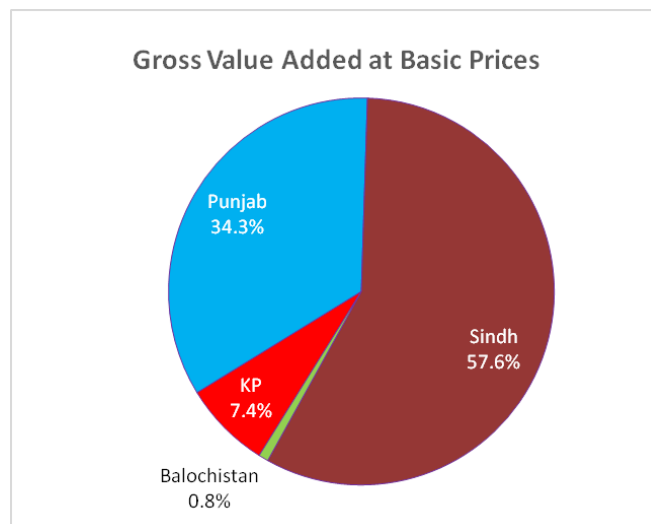


Figure 12.11: GVA by Province



Table 12.10: Output, Intermediate Consumption and GVA by PSIC (Rs. in '000')

| PSIC | | Output at Producer's prices | Import/excise duties, bed taxes and other taxes net of subsidies | Output at basic prices | Intermediate at purchaser's prices | GVA at basic prices |
|-------------|--|-----------------------------------|---|---------------------------|---|------------------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| Pakistan | | 396,842,727 | 622,133 | 396,220,593 | 96,519,033 | 299,701,560 |
| 951 | Repair of computers and peripheral equipment | 44,098,830 | 2,830 | 44,096,000 | 12,435,445 | 31,660,555 |
| 952 | Repair of personal and household goods | 162,196,461 | 34,319 | 162,162,143 | 44,397,965 | 117,764,178 |
| 960 | Other personal service activities | 190,547,435 | 584,985 | 189,962,451 | 39,685,624 | 150,276,826 |
| KP | | 33,779,538 | 575,333 | 33,204,205 | 11,166,766 | 22,037,439 |
| 951 | Repair of computers and peripheral equipment | 3,370,773 | 0 | 3,370,773 | 1,227,970 | 2,142,803 |
| 952 | Repair of personal and household goods | 18,506,287 | 741 | 18,505,545 | 6,394,960 | 12,110,586 |
| 960 | Other personal service activities | 11,902,478 | 574,592 | 11,327,886 | 3,543,837 | 7,784,049 |
| Punjab | | 157,254,241 | 34,801 | 157,219,441 | 54,538,263 | 102,681,178 |
| 951 | Repair of computers and peripheral equipment | 17,029,376 | 2,591 | 17,026,786 | 6,812,533 | 10,214,253 |
| 952 | Repair of personal and household goods | 67,678,117 | 26,742 | 67,651,375 | 24,336,920 | 43,314,454 |
| 960 | Other personal service activities | 72,546,747 | 5,469 | 72,541,280 | 23,388,809 | 49,152,470 |
| Sindh | | 201,557,621 | 11,650 | 201,545,972 | 29,017,319 | 172,528,652 |
| 951 | Repair of computers and peripheral equipment | 23,466,575 | 239 | 23,466,336 | 4,283,756 | 19,182,581 |
| 952 | Repair of personal and household goods | 73,976,101 | 6,585 | 73,969,515 | 12,779,523 | 61,189,994 |
| 960 | Other personal service activities | 104,114,946 | 4,825 | 104,110,121 | 11,954,042 | 92,156,078 |
| Balochistan | | 4,251,327 | 350 | 4,250,976 | 1,796,685 | 2,454,292 |
| 951 | Repair of computers and peripheral equipment | 232,105 | 0 | 232,105 | 111,187 | 120,918 |
| 952 | Repair of personal and household goods | 2,035,957 | 250 | 2,035,707 | 886,561 | 1,149,146 |
| 960 | Other personal service activities | 1,983,265 | 100 | 1,983,165 | 798,936 | 1,184,227 |

**Table 12.11: Comparison of Output, IC and GVA in 2005-06 base and Survey Results:
Other Service Activities**

| Description | 2005-06 | 2016-17 (Current) on 2005-06 base | Survey Results 2016-17 | % Change | |
|---|---------|---|------------------------------|-----------------|-----------------|
| | | | | Col.4/ Col.2 | Col.4/ Col.3 |
| Col. 1 | Col. 2 | Col. 3 | Col. 4 | Col. 5 | Col. 6 |
| Number of Establishment | 355,915 | 0 | 517,472 | 45.39 | - |
| Output at basic Prices (Rs.Million) | 81,668 | 460,127 | 396,221 | 385.16 | -13.89 |
| Intermediate at purchaser's Prices (Rs.Million) | 9,747 | 54,918 | 96,519 | 890.24 | 75.75 |
| Gross Value Added at basic prices (Rs.Million) | 71,921 | 405,209 | 299,702 | 316.71 | -26.04 |
| GFCF (Rs.Million) | 1,061 | 0 | 6,252 | 489.27 | - |

Annexure-I: Listing form of OPS Survey

| <div style="display: flex; justify-content: space-between; align-items: center;">  <div style="text-align: center;"> <p>Government of Pakistan Pakistan Bureau of Statistics Sample Design Section *****</p> </div> <div style="text-align: right;"> <p>Confidential</p>  </div> </div> | | | | | | | | | | | | |
|--|---|---------------------------------------|--|---|---|-----------------------|--------------------------|-------------------------------------|--------------------------|---------------------------------|---------|--|
| LISTING FORM | | | | | | | | | | | | |
| SURVEY ON OTHER PRIVATE SERVICES: EDUCATION, HUMAN HEALTH & SOCIAL WORK, HOTELS & RESTAURANTS AND OTHER SERVICES | | | | | | | | | | | | |
| IDENTIFICATION | | | | | | | | | | | | |
| 1 | Name of Province | | 7 | Enumeration Block Code (As per list provided by Sample Design) | | | | | | | | |
| 2 | Name of District | | 8 | Processing Code (As per list provided by Sample Design) | | | | | | | | |
| 3 | Name of City/Town | | 9 | Name & Signature of Enumerator | | | | | | | | |
| 4 | Name of Charge | | 10 | Date of Listing | | | | | | | | |
| 5 | Name of Circle | | 11 | Name & Signature of Supervisor | | | | | | | | |
| 6 | Name of Village/Block | | 12 | Date of Inspection | | | | | | | | |
| SUMMARY OF THE ESTABLISHMENTS | | | | | | | | | | | | |
| Items | | Listed | Covered | Remarks | Items | | Listed | Covered | Remarks | | | |
| i. No. of educational institutions (Code 1) | | | | | iv (b) Real estate activities (Code 42) | | | | | | | |
| ii. No. of human health & social work establishments (Code 2) | | | | | iv(c). Administrative and support service activities (Code 43) | | | | | | | |
| iii. No of Hotels, Restaurants/Bars/ Canteens (Code 3) | | | | | iv (d). Arts, entertainment and recreation (Code 44) | | | | | | | |
| iv. No. of establishments engaged in other services (Code 4=41+42+43+) | | | | | iv(e) Maintenance & Repair of Motor Vehicles/Motor Cylcel (Code 45) | | | | | | | |
| iv(a). Publishing activities (Code 41) | | | | | iv (f). Other service activities (Code 46) | | | | | | | |
| <p>Note: The detailed forms will be filled for first 25 establishments under each code in any one block. The remaining establishments will only be listed and no forms will be filled.</p> | | | | | | | | | | | | |
| 1. Locality Road/Mohallah/ Street | 2. Serial No of Building/ Structure | 3. Name and Address of Establishments | 4. Does any Economic Activities is undertake n in this Establishm ents ? Yes=1 or No=2 | 5. Type of Economic Activity (From column 4 Classify Establishment Engaged in any following Economic Activities only) | | | | | | Number of persons engaged | Remarks | |
| | | | | S. No. | Industry | | Code | | | | | |
| | | | | i. | Education | | 1 | | | | | |
| | | | | ii. | Human Health & Social Work | | 2 | | | | | |
| | | | | iii. | Hotels, Restaurants/Bars/ Canteens | | 3 | | | | | |
| | | | | iv. | Others (Detailed below) | | 4 | | | | | |
| | | | | | a) Publishing activities | | 41 | | | | | |
| | | | | | b) Real estate activities | | 42 | | | | | |
| | | | | | c) Administrative and support service activities | | 43 | | | | | |
| | | | | | d) Arts, entertainment and recreation | | 44 | | | | | |
| | | | | | e) Maintenance & Repair of Motor Vehicles/Motor Cylcel | | 45 | | | | | |
| | | | | | f) other service activities | | 46 | | | | | |
| | | | | Code of Industry | Serial No. for Code 1 | Serial No. for Code 2 | Serial No. for Code 3 | Sub-code 4 (41, 42, 43,... etc.) | Serial No. for Code 4 | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| | | | 1 | 1 | 1001 | | | | | | | |
| | | | 1 | 2 | | 2001 | | | | | | |
| | | | 1 | 3 | | | 3001 | | | | | |
| | | | 1 | 4 | | | | 41 | 4101 | | | |
| | | | 1 | 4 | | | | 43 | 4301 | | | |
| | | | 1 | 4 | | | | 46 | 4601 | | | |



PAKISTAN
BUREAU OF
STATISTICS
Government of Pakistan

CONFIDENTIAL: The information supplied will be treated as confidential under the General **Statistics** (Reorganization) **Act**, 2011 and will only be used to produce aggregate tabulation. No data for the individual establishment will be published or made available to any other agency in any format.

| | | | | | | | | | | | |
|---------------------------------------|--|-----------------|--|---------------|--|----------------------------------|--|----------------|--|--|--|
| Processing Code: | | | | | | | | | | | |
| Enumeration Block Code: | | | | | | | | | | | |
| Serial No. of Establishment: | | | | | | | | | | | |
| Title of Establishment: _____ | | | | | | | | | | | |
| Name of Owner(s)/Proprietor(s): _____ | | | | | | | | | | | |
| Province: _____ | | District: _____ | | Tehsil: _____ | | City: _____ | | Village: _____ | | | |
| Name of Respondent: _____ | | | | | | Designation of Respondent: _____ | | | | | |
| Telephone/Mobile: _____ | | | | E-Mail: _____ | | | | Website: _____ | | | |

| | | | | |
|--|--------------------------|-------------------------------|--------------------------|----|
| 2.1 Year of Commencement of Activity | | | | |
| 2.2 Is the establishment registered with any government agency/autonomous body? (Please tick relevant box)? Yes | <input type="checkbox"/> | If Yes Name of agency | | No |
| 2.3 Is the establishment maintaining accounts? (Please tick relevant box)? Yes | <input type="checkbox"/> | | | |
| 2.4 Is hostel facility available? (Please tick relevant box)? Yes | <input type="checkbox"/> | | | |
| 2.5 If Yes in 2.4 who arrange food and laundry services in hostel? | | | | |
| a) The organization itself | <input type="checkbox"/> | b) Outsourced to another firm | <input type="checkbox"/> | |

2.6.1 Kind of Major Activity (please tick appropriate code)

| | | | |
|--|---|---|---|
| Pre-primary education | 1 | Primary education | 2 |
| Secondary education | 3 | Higher education | 4 |
| Sports and recreation education | 5 | Cultural education | 6 |
| Other education n.e.c. (Academies, driving schools, computer training, etc.) | 7 | Educational support activities (Testing etc.) | 8 |
| Technical and vocational secondary education | | | 9 |

| | | | | | | | |
|--|------------------|--|--|--|--|--|--|
| | Code (PSIC-2010) | | | | | | |
|--|------------------|--|--|--|--|--|--|

| | | | | | | | |
|----------------------|---|-------------|---|------------------|---|----------------|---|
| Individual Ownership | 1 | Partnership | 2 | Private Ltd. Co. | 3 | Public Ltd. Co | 4 |
| Cooperative | 5 | Others | 6 | | | | |

SECTION 3: EMPLOYMENT AND EMPLOYMENT COST (JUNE 2017) DURING 2016-17

| Employment status | Code | No. of Persons engaged on the last working day | | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|----------------------------|------------|--|--------|-------|------------------|---------------------|-------------------------------------|--------------|
| | | Male | Female | Total | Rs. in '000' | Rs. in '000' | Rs. in '000' | Rs. in '000' |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Working Proprietor | 301 | | | | | | | |
| Unpaid Family Workers | 302 | | | | | | | |
| Teaching Staff | 303 | | | | | | | |
| Clerical and Support Staff | 304 | | | | | | | |
| Service Workers | 305 | | | | | | | |
| Other Employees (if any) | 306 | | | | | | | |
| Total | 300 | | | | | | | |

SECTION-4: INPUTS/INTERMEDIATE CONSUMPTION (AT PURCHASER'S PRICES)**Please give figures during 2016-17****Rs. in '000'**

| ITEMS OF EXPENDITURES | code | CPC (For office use only) | Total |
|---|------------|---------------------------|-------|
| 1 | 2 | 3 | 4 |
| Expenditure on printed books, pamphlets, maps, and globes | 401 | | |
| Expenditure on the register, exercise book, notebook, etc. | 402 | | |
| Expenditure on the pen, pencil fountain pens, etc. | 403 | | |
| Expenditure on sports goods and fairground amusement articles etc. | 404 | | |
| Garments and clothing accessories including uniforms for students | 405 | | |
| Medical products such as medicaments and laboratory equipment | 406 | | |
| Expenditure on other stationery and office supplies not mentioned above | 407 | | |
| Payment for data processing and other services related to information technology | 408 | | |
| Accounting, secretarial and audit fees | 409 | | |
| Payment for security services | 410 | | |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 411 | | |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 412 | | |
| Expenditure on Food including Grocery | 413 | | |
| Rent of Building | 414 | | |
| Electricity Charges | 415 | | |
| Gas Charges | 416 | | |
| Water Charges including expenditure on mineral water | 417 | | |
| Fuel and Lubricants | 418 | | |
| Transportation Charges | 419 | | |
| Telephone/Fax/Telegraph/ Internet | 420 | | |
| Postage/Courier | 421 | | |
| Travel Expenses | 422 | | |
| Insurance Premium | 423 | | |
| Entertainment Charges | 424 | | |
| Advertising and promotion | 425 | | |
| Expenditure on purchases of gifts/trophies etc. | 426 | | |
| Expenditure on food payments made to other companies w.r.t. item 2.5 in Section-2 | 427 | | |
| Expenditure on laundry payments made to other companies w.r.t. item 2.5 in Section-2 | 428 | | |
| Other Expenditure n.e.c. (Pl. specify) | | | |
| 1. _____ | 429 | | |
| 2. _____ | 430 | | |
| Total | 400 | | |

SECTION -5 TAXES DURING 2016-17

| Item | Code | Rs. in '000' | Item | Code | Rs. in '000' |
|----------------------------|------|--------------|---------------------------|------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| General Sales Taxes | 501 | | Provincial/District taxes | 504 | |
| Motor Vehicle Tax/Land Tax | 502 | | Other Taxes | 505 | |
| Excise/Import Duty | 503 | | <i>Depreciation</i> | 506 | |
| | | | <i>Total</i> | 500 | |

SECTION-6: TURNOVER / INCOME (Exclusive of GST) DURING 2016-17 Rs. in '000'**(Tuition fees, annual charges, admission fees, examination fees, hostel charges, fines, etc.)**

| Detail of Gross Revenue | Code | Number of students (Level-wise) | CPC (For office use only) | Total |
|--|------------|---------------------------------|---------------------------|-------|
| 1 | 2 | 3 | 4 | 5 |
| Pre-primary education services including earning from daycare activities | 601 | | 921 | |
| Primary education services | 602 | | 922 | |
| Lower secondary (middle) education services (general, technical and vocational) | 603 | | 9231, 9232 | |
| Upper secondary (matric) education services (general, technical and vocational) | 604 | | 9233, 9234 | |
| Post-secondary (Intermediate) non-tertiary education services | 605 | | 924 | |
| Tertiary (graduation & above) education services | 606 | | 925 | |
| Other education and training services and educational support services (training, culture, sports, etc.) | 607 | | 929 | |
| Income from hostels | 608 | | | |
| Income from provision of books, notebooks, uniforms to students | 609 | | | |
| Other Income (please specify) | | | | |
| 1 | 610 | | | |
| Total | 600 | | | |

SECTION: 7 GROSS FIXED CAPITAL FORMATION DURING 2016-17**Rs. in '000'**

| Type of Assets | Acquisition of fixed assets (new/existing) | Additions, Alterations and Major Improvements | Sales proceeds from the disposal of fixed assets | Own account capital formation* | GFCE (2+3-4+5) |
|---------------------------------------|---|---|--|--------------------------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 701 Dwellings (Residential buildings) | | | | | |
| Other Buildings and structures | 702 Buildings other than dwellings | | | | |
| | 703 Other structures** | | | | |
| | 704 Land improvements & cost of land transfer | | | | |
| Machinery and Equipment | 705 Transport Equipment (vehicles etc.) | | | | |
| | 706 ICT *** (computer hardware & telecommunication) equipment | | | | |
| | 707 Furniture & Fixture | | | | |
| | 708 Other machinery and equipment | | | | |
| Intellectual Property Products | 709 Research and Development | | | | |
| | 710 Computer software and database | | | | |
| | 711 Other intellectual property products | | | | |
| 700 Total | | | | | |

* Fixed assets produced for own use, ** Telephone/power lines, pipelines, cables, gas pipelines, etc., *** Information, Computer and Telecommunication

Note: Assets, acquired on the financial lease, should be included in the respective category

SECTION -8: SURVEY INFORMATION

| Particulars | Name & Designation | Code | Date |
|---------------------------------------|--------------------|------|------|
| 8.1 FIELD OPERATION | | | |
| 801. Enumerated by: | | | |
| 802. Inspected/checked by supervisor: | | | |
| 8.2 Editing/coding at PBS (HQ) | | | |
| 821. Edited/coded by: | | | |
| 822. Checked by supervisor: | | | |
| 8.3 Data Entry at DP Centre | | | |
| 831. Entered by: | | | |
| 832. Checked by supervisor: | | | |

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

PSIC-2010 Codes for Education

85 Education

851 Pre-primary and primary education

8510 Pre-primary and primary education

85101 Pre-primary education

85102 Primary education

85103 Special education for handicapped students at this level

85104 Provision of literacy programs for adults

852 Secondary education

8521 General secondary education

85211 General school education in the first stage of the secondary level corresponding more or less to the period of compulsory school attendance

85212 General school education in the second stage of the secondary level giving, in principle, access to higher education

85213 Special education for handicapped students at this level

8522 Technical and vocational secondary education

85221 Technical and vocational education below the level of higher education

85222 Instruction for tourist guides

85223 Instruction for chefs, hoteliers, and restaurateurs

85224 Special education for handicapped students at this level

85225 Cosmetology and barber schools

85226 Computer repair training

85227 Driving schools for occupational drivers e.g. of trucks, buses, coaches

853 Higher education

8530 Higher education

85301 Post-secondary non-tertiary education

85302 First stage of tertiary education

85303 Second stage of tertiary education

85304 Performing arts schools providing higher education

854 Other education

8541 Sports and recreation education

85411 Sports instruction including camps, sports instruction

85412 Gymnastics/ riding/ swimming instruction

85413 Professional sports instructors, teachers, coaches

85414 Martial arts instruction

85419 Others like card game/ yoga/ cheerleading instructions n.e.c.

8542 Cultural education

85421 Piano teachers and other music instruction

85422 Dance instruction and dance studios, drama schools (except academic)

85423 Fine arts schools (except academic)

85424 Photography schools (except commercial)

85425 Art instruction/performing arts schools (except academic)

85429 Others n.e.c.

8549 Other education n.e.c.

85491 Education that is not definable by level

85492 Academic tutoring, college board/preparation,/ professional examination review courses/language instruction and conversational skills instruction/ speed reading instruction/ public speaking training

85493 Automobile driving/ flying schools

85494 Lifeguard/survival training

85495 Computer training

85499 Others n.e.c.

855 Educational support activities

8550 Educational support activities

85501 Provision of non-instructional services that support educational processes or systems

85502 Educational consulting, educational guidance counseling services
85503 Educational testing evaluation services, educational testing services,
85504 Organization of student exchange programs
85509 Others n.e.c.

CPC Codes for Education

Division 92 Education services

921 Pre-primary education services

| | |
|---|--------------------------|
| 9210 92100 Pre-primary education services | PSIC Code 8510 |
|---|--------------------------|

922 Primary education services

| | |
|---------------------------------------|------|
| 9220 92200 Primary education services | 8510 |
|---------------------------------------|------|

923 Secondary education services

| | |
|--|------|
| 9231 92310 Lower secondary education services, general | 8521 |
|--|------|

| | |
|---|------|
| 9232 92320 Lower secondary education services, technical and vocational | 8522 |
|---|------|

| | |
|--|------|
| 9233 92330 Upper secondary education services, general | 8521 |
|--|------|

| | |
|---|------|
| 9234 92340 Upper secondary education services, technical and vocational | 8522 |
|---|------|

924 Post-secondary non-tertiary education services

| | |
|--|------|
| 9241 92410 Post-secondary non-tertiary education services, general | 8530 |
|--|------|

| | |
|---|------|
| 9242 92420 Post-secondary non-tertiary education services, technical and vocational | 8530 |
|---|------|

925 Tertiary education services

| | |
|--|------|
| 9251 92510 First stage tertiary education services | 8530 |
|--|------|

| | |
|---|------|
| 9252 92520 Second stage tertiary education services | 8530 |
|---|------|

929 Other education and training services and educational support services

| | |
|--|--|
| 9291 Other education and training services | |
|--|--|

| | |
|-----------------------------------|------|
| 92911 Cultural education services | 8542 |
|-----------------------------------|------|

| | |
|--|------|
| 92912 Sports and recreation education services | 8541 |
|--|------|

| | |
|---|------|
| 92919 Other education and training services, n.e.c. | 8549 |
|---|------|

| | |
|------------------------------------|------|
| 92920 Educational support services | 8550 |
|------------------------------------|------|

Annexure-III: Questionnaire- Human health and social work activities



GOVERNMENT OF PAKISTAN PAKISTAN BUREAU OF STATISTICS ISLAMABAD



Survey on Other Private Services: Human health and social work activities (PSIC 86-88) 2016-17

CONFIDENTIAL: The information supplied will be treated as confidential under the General Statistics (Reorganization) Act, 2011 and will only be used to produce aggregate tabulation. No data for the individual establishment will be published or made available to any other agency in any format.

SECTION -1 (PARTICULARS OF ESTABLISHMENT)

Processing Code:

| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|

Enumeration Block Code:

| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|

Serial No. of Establishment:

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

Title of Establishment: _____

Name of Owner(s)/Proprietor(s): _____

Province: _____ District: _____ Tehsil: _____ City: _____ Village: _____

Name of Respondent: _____ Designation of Respondent: _____

Telephone/Mobile: _____ E-Mail: _____ Website: _____

SECTION -2

2.1 Year of Commencement of Activity

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

2.2 Is the establishment registered with any government agency/autonomous body?

(Please tick relevant box)? Yes ☐ If Yes Name of agency _____ No ☐

2.3 Is the establishment maintaining accounts? (Please tick relevant box)? Yes ☐ No ☐

2.4.1 Kind of Major Activity (please tick appropriate code)

| | | | |
|---|---|--|---|
| Hospital activities | 1 | Medical and dental practice activities | 2 |
| Other human health activities (medical laboratories, blood banks, etc.) | 3 | Residential care activities for mental retardation, mental health, and substance abuse | 4 |
| Other social work activities without accommodation | | | 5 |

2.4.2 Description of Activity:

| | | | | | | |
|--|------------------|--|--|--|--|--|
| | Code (PSIC-2010) | | | | | |
|--|------------------|--|--|--|--|--|

2.5 Type of Organization: (Tick the appropriate code)

| | | | | | | | |
|----------------------|---|-------------|---|------------------|---|-----------------|---|
| Individual Ownership | 1 | Partnership | 2 | Private Ltd. Co. | 3 | Public Ltd. Co. | 4 |
| Cooperative | 5 | Others | 6 | | | | |

SECTION 3: EMPLOYMENT AND EMPLOYMENT COST (JUNE 2017) DURING 2016-17

| Employment status | Code | No. of Persons engaged on the last working day | | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non- Cash Benefits) | Total |
|-------------------------------|------------|--|--------|-------|------------------|---------------------|--------------------------------------|--------------|
| | | Male | Female | Total | Rs. in '000' | Rs. in '000' | Rs. in '000' | Rs. in '000' |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Working Proprietor | 301 | | | | | | | |
| Unpaid Family Workers | 302 | | | | | | | |
| Doctors | 303 | | | | | | | |
| Nursing and paramedical staff | 304 | | | | | | | |
| Clerical and Support Staff | 305 | | | | | | | |
| Service Workers | 306 | | | | | | | |
| Other Employees (if any) | 307 | | | | | | | |
| Total | 300 | | | | | | | |

SECTION-4: INPUTS/INTERMEDIATE CONSUMPTION (AT PURCHASER'S PRICES)

Please give figures during 2016-17

Rs. in '000'

| ITEMS OF EXPENDITURES | Code | for office use only) | Total |
|---|------------|----------------------|-------|
| 1 | 2 | 3 | 4 |
| Cost of medicines purchased | 401 | | |
| A chemical element (such as Oxygen, iodine, etc. | 402 | | |
| Inorganic chemical products (such as hydrogen peroxide, teeth filling, etc. | 403 | | |
| Pharmaceutical excluding medicaments (such as bandages, plasters, etc.) | 404 | | |
| Artificial plastic materials (such as alginic acid, polymers, etc.) | 405 | | |
| Medical instruments (such as syringes, disposable items, etc.) | 406 | | |
| Orthopedic appliances (such as artificial limbs, teeth, etc.) | 407 | | |
| Medical product (such as a medicament, vaccines, etc.) | 408 | | |
| Garment and clothing accessories | 409 | | |
| Other Expenditure (such as gloves, lest sticks, herbs, blood bags, etc) | 410 | | |
| Expenditure on stationery and office supplies | 411 | | |
| Payment for data processing and other services related to information technology | 412 | | |
| Accounting, secretarial and audit fees | 413 | | |
| Payment for security services | 414 | | |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 415 | | |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | | |
| Expenditure on prepared food including grocery | 417 | | |
| Rent of Building | 418 | | |
| Electricity Charges | 419 | | |
| Gas Charges | 420 | | |
| Water Charges | 421 | | |
| Fuel and Lubricants | 422 | | |
| Transportation Charges | 423 | | |
| Telephone/Fax/Telegraph/ Internet | 424 | | |
| Postage/Courier | 425 | | |
| Travel Expenses | 426 | | |
| Insurance Premium | 427 | | |
| Entertainment Charges | 428 | | |
| Advertising and promotion | 429 | | |
| Other Expenditure n.e.c. (Pl. specify) | | | |
| 1. _____ | 430 | | |
| 2. _____ | 431 | | |
| Total | 400 | | |

SECTION -5 TAXES DURING 2016-17

| Item | Code | Rs. in '000' | Item | Code | Rs. in '000' |
|----------------------------|------|--------------|---------------------------|------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| General Sales Taxes | 501 | | Provincial/District taxes | 504 | |
| Motor Vehicle Tax/Land Tax | 502 | | Other Taxes | 505 | |
| Excise/Import Duty | 503 | | <i>Depreciation</i> | 506 | |
| | | | <i>Total</i> | 500 | |

SECTION-6: TURNOVER / INCOME (Exclusive of GST) DURING 2016-17**Rs. in '000'**

| Gross Revenue | Code | CPC (For office use only) | Total |
|--|------------|---------------------------|-------|
| 1 | 2 | 3 | 4 |
| Inpatient services (Admitted) | 601 | 9311 | |
| Medical and dental services (OPD) | 602 | 9312 | |
| Laboratory test, X-Ray services, etc. | 603 | | |
| Drugs, medicines and other medical supplies for patients | 604 | | |
| Revenue from ambulance services | 605 | | |
| Other human health services (childbirth, nursing, laboratories, etc.) | 606 | 9319 | |
| Residential care services for the elderly and persons with disabilities | 607 | 9322 | |
| Other social services with accommodation (mentally retards) | 608 | 9330 | |
| Other social services without accommodation (Child day-care, counseling, etc.) | 609 | 935 | |
| Income from the sale of medicines and other medical equipment | 610 | | |
| Other Income (please specify) | | | |
| 1 _____ | 611 | | |
| Total | 600 | | |

SECTION: 7 GROSS FIXED CAPITAL FORMATION DURING 2016-17**Rs. in '000'**

| Type of Assets | Acquisition of fixed assets (new/existing) | Additions, Alterations and Major Improvements | Sales proceeds from disposal of fixed assets | Own account capital formation* | GFCF (2+3-4+5) |
|---------------------------------------|---|---|--|--------------------------------|----------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 701 Dwellings (Residential buildings) | | | | | |
| Other Buildings and structures | 702 Buildings other than dwellings | | | | |
| | 703 Other structures** | | | | |
| | 704 Land improvements & cost of land transfer | | | | |
| | 705 Transport Equipment (vehicles etc.) | | | | |
| Machinery and Equipment | 706 ICT *** (computer hardware & telecommunication) equipment | | | | |
| | 707 Furniture & Fixture | | | | |
| | 708 Other machinery and equipment | | | | |
| | 709 Research and Development | | | | |
| Intellectual Property Products | 710 Computer software and database | | | | |
| | 711 Other intellectual property products | | | | |
| 700 Total | | | | | |

* Fixed assets produced for own use, ** Telephone/power lines, pipelines, cables, gas pipelines, etc., *** Information, Computer and Telecommunication

Note: Assets, acquired on the financial lease, should be included in the respective category

SECTION -8: SURVEY INFORMATION

| Particulars | Name & Designation | Code | Date |
|---------------------------------------|--------------------|------|------|
| 8.1 FIELD OPERATION | | | |
| 801. Enumerated by: | | | |
| 802. Inspected/checked by supervisor: | | | |
| 8.2 Editing/coding at PBS (HQ) | | | |
| 821. Edited/coded by: | | | |
| 822. Checked by supervisor: | | | |
| 8.3 Data Entry at DP Centre | | | |
| 831. Entered by: | | | |
| 832. Checked by supervisor: | | | |

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

PSIC-2010 Codes for Human Health and Social Work Activities

86 Human health activities

861 Hospital activities

8610 Hospital activities

86101 Medical, diagnostic and treatment activities, of general hospitals

86102 Medical, diagnostic and treatment activities of military-base hospitals

86103 Medical, diagnostic and treatment activities of specialized hospitals

862 Medical and dental practice activities

8620 Medical and dental practice activities

86201 Medical consultation and treatment in the field of general and specialized medicine by general practitioners and medical specialists and surgeons

86202 Dental practice activities of a general or specialized nature, e.g. dentistry, endodontic and pediatric dentistry; oral pathology, orthodontic activities, dental activities in operating rooms

86203 Family planning centers providing medical treatment, such as sterilization and termination of pregnancy, without accommodation

86204 Private consultants' services to inpatients

869 Other human health activities

8690 Other human health activities

86901 Activities for human health not performed by hospitals or by medical doctors or dentists

86902 Activities of dental paramedical personnel

86903 Activities of medical laboratories

86904 Activities of blood banks, sperm banks, transplant organ banks, etc.

86905 Ambulance transport of patients by any mode of transport including airplanes

87 Residential care activities

872 Residential care activities for mental retardation, mental health, and substance abuse

8720 Residential care activities for mental retardation, mental health, and substance abuse

87201 Activities of facilities for treatment of alcoholism and drug addiction,

87202 Activities of residential group homes for the emotionally disturbed, mental retardation facilities, mental health halfway houses, etc.

8730 Residential care activities for the elderly and disabled

88 Social work activities without accommodation

881 Social work activities without accommodation for the elderly and disabled

8890 Other social work activities without accommodation

88901 Welfare and guidance activities for children and adolescents, adoption activities, activities for the prevention of cruelty to children and others

88902 Counselling services for the household budget, marriage and family guidance, credit and debt counseling services

88903 Activities for disaster victims, refugees, immigrants, etc

88904 Vocational rehabilitation and habilitation activities for unemployed persons

88905 Eligibility determination in connection with welfare aid, rent supplements or food stamps

88906 Child day-care activities, including for handicapped children,

88907 Charitable activities like fund-raising or other supporting activities aimed at social work

88909 Other n.e.c.

CPC Codes for Human Health and Social Work Activities

Division 93 Human health and social care services

PSIC Code

931 Human health services

9311 Inpatient services

93111 Surgical services for inpatients

8610

93112 Gynaecological and obstetrical services for inpatients

8610

93113 Psychiatric services for inpatients

8610

93119 Other services for inpatients

8610

9312 Medical and dental services

| | |
|--|------|
| 93121 General medical services | 8620 |
| 93122 Specialized medical services | 8620 |
| 93123 Dental services | 8620 |
| 9319 Other human health services | |
| 93191 Childbirth and related services | 8690 |
| 93192 Nursing services | 8690 |
| 93193 Physiotherapeutic services | 8690 |
| 93194 Ambulance services | 8690 |
| 93195 Medical laboratory services | 8690 |
| 93196 Diagnostic-imaging services | 8690 |
| 93197 Blood, sperm and organ bank services | 8690 |
| 93199 Other human health services n.e.c. | 8690 |
| 932 Residential care services for the elderly and disabled | |
| 9322 Residential care services for the elderly and persons with disabilities | |
| 93221 Residential care services for the elderly | 8730 |
| 93222 Residential care services for young disabled persons | 8730 |
| 93223 Residential care services for disabled adults | 8730 |
| 933 Other social services with accommodation | |
| 9330 Other social services with accommodation | |
| 93301 Residential care services for children suffering from mental retardation, mental health illnesses or substance abuse | 8720 |
| 93302 Other social services with accommodation for children | 8790 |
| 93303 Residential care services for adults suffering from mental retardation, mental health illnesses or substance abuse | 8720 |
| 93304 Other social services with accommodation for adults | 8790 |
| 935 Other social services without accommodation | |
| 9351 93510 Child day-care services | 8890 |
| 9352 93520 Guidance and counseling services n.e.c. related to children | 8890 |
| 9353 93530 Welfare services without accommodation | 8890 |
| 9359 93590 other social services without accommodation, n.e.c. | 8890 |

Annexure-IV(a): Questionnaire-Accommodation and Food Service Activities (Census Part)



GOVERNMENT OF PAKISTAN
PAKISTAN BUREAU OF STATISTICS
ISLAMABAD



CONFIDENTIAL: The information supplied will be treated as confidential and will only be used to produce aggregate tabulation. No data for the individual establishment will be published or made available to any other agency in any format.

SECTION -1: PARTICULARS OF ESTABLISHMENT

Processing Code: p

| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|

Title of Establishment: _____

Name of Owner(s)/Proprietor(s): _____

Province: _____ District: _____ Tehsil: _____ City: _____ Village: _____

Name of Respondent: _____ Designation of Respondent: _____

Telephone/Mobile: _____ E-Mail: _____ Website: _____

SECTION -2

(Reference period July 2016 to June 2017)

2.1 Year of Commencement of Activity

| | | | |
|--|--|--|--|
| | | | |
| | | | |

2.2 No. of months Establishment Worked during the Year

2.3.1 Kind of Major Activity (please tick the appropriate code)

| A. Accommodation (55): | | Hotel/Motel/Inn | 1 | Guest Houses | 2 | Youth Hostels | 3 |
|-----------------------------------|---|---|---|--|---|-------------------------------------|---|
| Camping grounds | 4 | Student residence, boarding house, etc. | 5 | Other (Please specify) | 6 | | |
| B: Food & Beverage Services (56): | | Restaurant/cafe/terias/pizza delivery | 1 | Take-out eating places (market stalls) | 2 | Mobile food carts/ Ice Cream Parlor | 3 |
| Event catering | 4 | Food contractors | 5 | Canteen/Cafeteria (concession basis) | 6 | Coffee shops/fruit juice bars | 7 |
| Mobile beverage vendors | 8 | Other (Please specify) | | | 9 | | |

2.3.2 Description of Activity:

| | | | | | |
|--|------------------|--|--|--|--|
| | Code (PSIC-2010) | | | | |
|--|------------------|--|--|--|--|

2.4 Type of Organization: (Tick the appropriate code)

| | | | | | | | |
|----------------------|---|-------------|---|------------------|---|-----------------|---|
| Individual Ownership | 1 | Partnership | 2 | Private Ltd. Co. | 3 | Public Ltd. Co. | 4 |
| Cooperative | 5 | Government | 6 | Others | 7 | | |

SECTION 3: EMPLOYMENT AND EMPLOYMENT COST (JUNE 2017) DURING 2016-17

| Employment status | Code | No. of Persons engaged on the last working day | | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non- Cash Benefits) | Total |
|-----------------------|------------|--|---|---|------------------|---------------------|--------------------------------------|--------------|
| | | M | a | t | Rs. in '000' | Rs. in '000' | Rs. in '000' | Rs. in '000' |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Working Proprietor | 301 | | | | | | | |
| Unpaid Family Workers | 302 | | | | | | | |
| Managerial Staff | 303 | | | | | | | |
| Sales Staff | 304 | | | | | | | |
| Front Office Staff | 305 | | | | | | | |
| Chefs/Cooks | 306 | | | | | | | |
| Room Service Staff | 307 | | | | | | | |
| Waiters / Butlers | 308 | | | | | | | |
| Other Employees | 309 | | | | | | | |
| Total | 300 | | | | | | | |

SECTION-4: INPUTS/INTERMEDIATE CONSUMPTION (AT PURCHASER'S PRICES)

Please give figures during 2016-17

Rs. in '000'

| ITEMS OF EXPENDITURES | Code | CPC (For office use only) | Q1 (July-Sep.) | Q2 (Oct-Dec.) | Q3 (Jan-Mar.) | Q4 (Apr.-Jun.) | Total |
|-------------------------------------|------|---------------------------|----------------|---------------|---------------|----------------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Food including Grocery | | | | | | | |
| Bread and cereals | 401 | | | | | | |
| Rice | 402 | | | | | | |
| Meat (Beef, Mutton, chicken) | 403 | | | | | | |
| Fish | 404 | | | | | | |
| Oils and Fats | 405 | | | | | | |
| Vegetables | 406 | | | | | | |
| Fruit and nuts | 407 | | | | | | |
| Sugar | 408 | | | | | | |
| Dairy products | 409 | | | | | | |
| Pulses | 410 | | | | | | |
| Beverages | 411 | | | | | | |
| All other food including grocery | 412 | | | | | | |
| Crockery | 413 | | | | | | |
| Uniforms etc. | 414 | | | | | | |
| Bed Sheets, Towels, Soap, etc. | 415 | | | | | | |
| Repair services | 416 | | | | | | |
| Rent of Building | 417 | | | | | | |
| Electricity Charges | 418 | | | | | | |
| Gas Charges | 419 | | | | | | |
| Water Charges | 420 | | | | | | |
| Fuel and Lubricants | 421 | | | | | | |
| Expenditure on wood (Firewood etc.) | 422 | | | | | | |
| Transportation Charges | 423 | | | | | | |
| Telephone/Fax/Telegraph/ Internet | 424 | | | | | | |
| Postage/Courier | 425 | | | | | | |
| Printing & Stationery | 426 | | | | | | |
| Travel Expenses | 427 | | | | | | |
| Insurance Premium | 428 | | | | | | |
| Interest paid | 429 | | | | | | |
| Packaging Charges | 430 | | | | | | |
| Legal and Professional Expenses | 431 | | | | | | |
| Entertainment Charges | 432 | | | | | | |
| Advertising | 433 | | | | | | |
| Cleaning Material | 434 | | | | | | |
| Laundry Inputs | 435 | | | | | | |
| Security Services | 436 | | | | | | |
| Other Materials n.e.c. | 437 | | | | | | |
| 1. _____ | 438 | | | | | | |
| 2. _____ | 439 | | | | | | |
| Total | 400 | | | | | | |

SECTION -5 TAXES, DEPRECIATION DURING 2016-17

| Item | Code | Rs. in '000' | Item | Code | Rs. in '000' |
|----------------------------|------|--------------|---|------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| General Sales Taxes | 501 | | Bed taxes/ Provincial/District taxes | 504 | |
| Motor Vehicle Tax/Land Tax | 502 | | Other Taxes | 505 | |
| Excise/Import Duty | 503 | | Depreciation | 506 | |
| | | | <i>Total</i> | 500 | |

SECTION-6: OUTPUT/SALES DURING 2016-17 (EXCLUDING TAXES)**Rs. in '000'**

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Q1 (July- Sep.) | Q2 (Oct- Dec.) | Q3 (Jan- Mar.) | Q4 (Apr.- Jun.) | Total |
|---|------------|---------------------------------------|--------------------|-------------------|-------------------|--------------------|-------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Short term accommodation activities/Camping grounds | 601 | | | | | | |
| Room or unit accommodation services for visitors | 6011 | 6311 | | | | | |
| Campsite services | 6012 | 6312 | | | | | |
| Recreational and vacation camp services | 6013 | 6313 | | | | | |
| Other accommodation | 602 | | | | | | |
| Student hostels | 6021 | 6321 | | | | | |
| Workers hostels | 6022 | 6322 | | | | | |
| Other room or unit accommodation services n.e.c. | 6023 | 6329 | | | | | |
| Food and beverage services | 603 | | | | | | |
| Meal serving services with full restaurant services | 6031 | 6331 | | | | | |
| Meal serving services with limited services | 6032 | 6332 | | | | | |
| Event catering and other food-serving services | 6033 | 6339 | | | | | |
| Beverage serving services (Coffee shops/bars, mobile beverage vendors) | 6034 | 6340 | | | | | |
| Value of other receipts (Car rentals, laundry, gyms, transportation, etc.) | 604 | | | | | | |
| Revenue from other services (Please Specify) | 605 | | | | | | |
| Total | 600 | | | | | | |

SECTION: 7 GROSS FIXED CAPITAL FORMATION Rs. in '000'

| Type of Assets | Acquisition of fixed assets (new/existing) | Additions, Alterations and Major Improvements | Sales proceeds from disposal of fixed assets | Own account capital formation* | GFCF (2+3- 4+5) |
|---------------------------------------|---|--|--|--------------------------------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 701 Dwellings (Residential buildings) | | | | | |
| Other Buildings and structures | 702 Buildings other than dwellings | | | | |
| | 703 Other structures** | | | | |
| | 704 Land improvements & cost of land transfer | | | | |
| | 705 Transport Equipment (vehicles etc.) | | | | |
| Machinery and Equipment | 706 ICT *** (computer hardware & telecommunication) equipment | | | | |
| | 707 Furniture & Fixture | | | | |
| | 708 Other machinery and equipment | | | | |
| | 709 Research and Development | | | | |
| Intellectual Property Products | 710 Computer software and database | | | | |
| | 711 Other intellectual property products | | | | |
| 700 Total | | | | | |

* Fixed assets produced for own use, ** Telephone/power lines, pipelines, cables, gas pipelines, etc., *** Information, Computer and Telecommunication

Note: Assets, acquired on the financial lease, should be included in the respective category

SECTION -8: SURVEY INFORMATION

| Particulars | Name & Designation | Code | Date |
|---------------------------------------|--------------------|------|------|
| 8.1 FIELD OPERATION | | | |
| 801. Enumerated by: | | | |
| 802. Inspected/checked by supervisor: | | | |
| 8.2 Editing/coding at PBS (HQ) | | | |
| 821. Edited/coded by: | | | |
| 822. Checked by supervisor: | | | |
| 8.3 Data Entry at DP Centre | | | |
| 831. Entered by: | | | |
| 832. Checked by supervisor: | | | |

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

Annexure-IV(b): Questionnaire-Accommodation and Food Service Activities (Survey Part)



GOVERNMENT OF PAKISTAN
PAKISTAN BUREAU OF STATISTICS
ISLAMABAD



Study on Accommodation and Food Service Activities (Hotels & Restaurants) (Survey Part)

CONFIDENTIAL: The information supplied will be treated as confidential under the General Statistics (Reorganization) Act, 2011 and will only be used to produce aggregate tabulation. No data for the individual establishment will be published or made available to any other agency in any format.

SECTION -1 (PARTICULARS OF ESTABLISHMENT)

Processing Code:

Enumeration Block Code:

Serial No. of Establishment:

Title of Establishment: _____

Name of Owner(s)/Proprietor(s): _____

Province: _____ District: _____ Tehsil: _____ City: _____ Village: _____

Name of Respondent: _____ Designation of Respondent: _____

Telephone/Mobile: _____ E-Mail: _____ Website: _____

SECTION -2

2.1 Year of Commencement of Activity

2.2 Is business activity seasonal? Yes

☐

No

☐

If answer is Yes, then tick the months during which activity was carried out.

| Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2.3 No. of months Establishment Worked during the year

2.4 Is the establishment registered with any government agency/autonomous body?

(Please tick relevant box)? Yes

☐

If Yes Name of agency _____

No

☐

2.5 Is the establishment of maintaining accounts? (Please tick relevant box)? Yes

☐
☐

2.6.1 Kind of Major Activity (please tick the appropriate code)

| | | | | | | | |
|---|---|---|---|--|---|-------------------------------------|---|
| A. Accommodation: | | Hotel/Motel/Inn | 1 | Guest Houses | 2 | Youth Hostels | 3 |
| Camping grounds | 4 | Student residence, boarding house, etc. | 5 | Other (Please specify) | 6 | | |
| B: Food & Beverage Services: | | Restaurant/cafe/terrace/pizza delivery | 1 | Take-out eating places (market stalls) | 2 | Mobile food carts/ Ice Cream Parlor | 3 |
| Event catering | 4 | Food contractors | 5 | Canteen/Cafeteria (concession basis) | 6 | Coffee shops/fruit juice bars | 7 |
| Mobile beverage vendors | 8 | Other (Please specify) | | | 9 | | |

2.6.2 Description of Activity:

| | | | | | | |
|--|------------------|--|--|--|--|--|
| | Code (PSIC-2010) | | | | | |
|--|------------------|--|--|--|--|--|

2.7 Type of Organization: (Tick the appropriate code)

| | | | | | | | |
|----------------------|---|-------------|---|------------------|---|-----------------|---|
| Individual Ownership | 1 | Partnership | 2 | Private Ltd. Co. | 3 | Public Ltd. Co. | 4 |
| Cooperative | 5 | Others | 6 | | | | |

SECTION 3: EMPLOYMENT AND EMPLOYMENT COSTLast month Last Year i.e. 2016-17 (July-June)

| Employment status | Code | No. of Persons engaged on the last working day of month/year | | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non-Cash Benefits) | Total |
|--------------------------|------------|--|--------|-------|------------------|---------------------|-------------------------------------|---------------|
| | | Male | Female | Total | (Rs.in '000') | (Rs.in '000') | (Rs.in '000') | (Rs.in '000') |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. Working Proprietor | 301 | | | | | | | |
| 2. Unpaid Family Workers | 302 | | | | | | | |
| 3. Managerial Staff | 303 | | | | | | | |
| 4. Sales Staff | 304 | | | | | | | |
| 5. Front Office Staff | 305 | | | | | | | |
| 6. Chefs/Cooks | 306 | | | | | | | |
| 7. Room Service Staff | 307 | | | | | | | |
| 8. Waiters / Butlers | 308 | | | | | | | |
| 9. Other Employees | 309 | | | | | | | |
| Total | 300 | | | | | | | |

SECTION-4: INPUTS/INTERMEDIATE CONSUMPTION

Please give figures during last month and last year i.e. 2016-17 (Rs.in '000')

| ITEMS OF EXPENDITURES | Code | CPC (For office use only) | Last Month | 2016-17 |
|-------------------------------------|------|---------------------------|------------|---------|
| 1 | 2 | 3 | 4 | 5 |
| Food including Grocery | | | | |
| Bread and cereals | 401 | | | |
| Rice | 402 | | | |
| Meat (Beef, Mutton, chicken) | 403 | | | |
| Fish | 404 | | | |
| Oils and Fats | 405 | | | |
| Vegetables | 406 | | | |
| Fruit and nuts | 407 | | | |
| Sugar | 408 | | | |
| Dairy products | 409 | | | |
| Pulses | 410 | | | |
| Beverages | 411 | | | |
| All other food including grocery | 412 | | | |
| Crockery | 413 | | | |
| Uniforms etc. | 414 | | | |
| Bed Sheets, Towels, Soap, etc. | 415 | | | |
| Repair services | 416 | | | |
| Rent of Building | 417 | | | |
| Electricity Charges | 418 | | | |
| Gas Charges | 419 | | | |
| Water Charges | 420 | | | |
| Fuel and Lubricants | 421 | | | |
| Expenditure on wood (Firewood etc.) | 422 | | | |
| Transportation Charges | 423 | | | |
| Telephone/Fax/Telegraph/ Internet | 424 | | | |
| Postage/Courier | 425 | | | |

| | | | | |
|---------------------------------|------------|--|--|--|
| Printing & Stationery | 426 | | | |
| Travel Expenses | 427 | | | |
| Insurance Premium | 428 | | | |
| Interest paid | 429 | | | |
| Packaging Charges | 430 | | | |
| Legal and Professional Expenses | 431 | | | |
| Entertainment Charges | 432 | | | |
| Advertising | 433 | | | |
| Cleaning Material | 434 | | | |
| Laundry Inputs | 435 | | | |
| Security Services | 436 | | | |
| Other Materials n.e.c. | 437 | | | |
| 1. _____ | 438 | | | |
| 2. _____ | 439 | | | |
| Total | 400 | | | |

SECTION -5 TAXES, DEPRECIATION DURING 2016-17

| Item | Code | (Rs.in '000') | Item | Code | (Rs.in '000') |
|----------------------------|------|---------------|---|------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| General Sales Taxes | 501 | | Bed taxes/ Provincial/District taxes | 504 | |
| Motor Vehicle Tax/Land Tax | 502 | | Other Taxes | 505 | |
| Excise/Import Duty | 503 | | Depreciation | 506 | |
| | | | <i>Total</i> | 500 | |

SECTION-6: OUTPUT/SALES DURING LAST MONTH AND LAST YEAR i.e. 2016-17 (Rs.in '000')

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Last Month | LAST YEAR i.e. 2016-17 |
|--|------|---------------------------|------------|------------------------|
| 1 | 2 | 3 | 4 | |
| Short term accommodation activities/Camping grounds | 601 | | | |
| Room or unit accommodation services for visitors | 6011 | 6311 | | |
| Campsite services | 6012 | 6312 | | |
| Recreational and vacation camp services | 6013 | 6313 | | |
| Other accommodation | 602 | | | |
| Student hostels | 6021 | 6321 | | |
| Workers hostels | 6022 | 6322 | | |
| Other room or unit accommodation services n.e.c. | 6023 | 6329 | | |
| Food and beverage services | 603 | | | |
| Meal serving services with full restaurant services | 6031 | 6331 | | |
| Meal serving services with limited services | 6032 | 6332 | | |
| Event catering and other food-serving services | 6033 | 6339 | | |
| Beverage serving services (Coffee shops/bars, mobile beverage vendors) | 6034 | 6340 | | |
| Value of other receipts (Car rentals, laundry, gyms, transportation, etc.) | 604 | | | |
| Revenue from other services (Please Specify) | 605 | | | |
| Total | 600 | | | |

SECTION: 7 GROSS FIXED CAPITAL FORMATION DURING 2016-17
(Rs.in '000')

| Type of assets | | | Acquisition of fixed assets (new/existing) | Addition, Alteration & Major Improvements | sale proceeds from disposal of fixed assets | * Own account capital formation | Gross Fixed Capital Formation (2+3-4+5) |
|--|-----|--|---|---|---|---------------------------------|---|
| 1 | | | 2 | 3 | 4 | 5 | 6 |
| 701 Dwellings (Residential buildings) | | | | | | | |
| Other Buildings and structures | 702 | Buildings other than dwellings (Non-Residential Buildings) | | | | | |
| | 703 | Other structures ** | | | | | |
| | 704 | Land improvements & cost of land transfer | | | | | |
| Machinery and Equipment | 705 | Transport Equipment (vehicles etc.) | | | | | |
| | 706 | ICT*** (computer hardware & telecommunication) equipment | | | | | |
| | 707 | Furniture & Fixture | | | | | |
| | 708 | Other machinery and equipment | | | | | |
| Intellectual Property Products | 709 | Research and Development | | | | | |
| | 710 | Computer software and database | | | | | |
| | 711 | Other intellectual property products | | | | | |
| | 700 | Total | | | | | |
| * Fixed assets produced for own use. **Telephone/power Line, pipe line, cable, etc. *** Information, Computer and Telecommunications | | | | | | | |
| Note: | | | Assets, acquired on financial lease, should be included in the respective category. | | | | |

SECTION -8: SURVEY INFORMATION

| Particulars | Name & Designation | Code | Date |
|---------------------------------------|--------------------|------|------|
| 8.1 FIELD OPERATION | | | |
| 801. Enumerated by: | | | |
| 802. Inspected/checked by supervisor: | | | |
| 8.2 Editing/coding at PBS (HQ) | | | |
| 821. Edited/coded by: | | | |
| 822. Checked by supervisor: | | | |
| 8.3 Data Entry at DP Centre | | | |
| 831. Entered by: | | | |
| 832. Checked by supervisor: | | | |

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

PSIC-2010 Codes for Accommodation and food service activities (Hotels & Restaurants)

Group Class/Subclass Description

| | | |
|----|---|--|
| 55 | Accommodation | |
| | 551 | Short term accommodation activities |
| | 5510 | Short term accommodation activities |
| | 55101 | Hotels/ resort hotels/ suite / apartment hotels/ motels/ motor hotels etc. |
| | 55102 | Guesthouses/ bed and breakfast units/visitor flats and bungalows etc. |
| | 55103 | Youth hostels and mountain refuges |
| | 55109 | Others n.e.c. |
| | 552 | Camping grounds, recreational vehicle parks, and trailer parks |
| | 5520 | Camping grounds, recreational vehicle parks, and trailer parks |
| | 55201 | Provision of accommodation in campgrounds, trailer parks, recreational camps and fishing and hunting camps for short stay visitors |
| 56 | 55202 | Provision of space and facilities for recreational vehicles |
| | 55203 | Protective shelters or plain bivouac facilities for placing tents and/or sleeping bags |
| | 559 | Other accommodation |
| | 5590 | Other accommodation |
| | 55901 | Student residences/ school dormitories/ rooming and boarding houses etc. |
| | 55902 | Railway sleeping cars etc. |
| | Food and beverage service activities | |
| | 561 | Restaurants and mobile food service activities |
| | 5610 | Restaurants and mobile food service activities |
| | 56101 | Restaurants/ cafeterias/ fast-food restaurants/ pizza delivery |
| | 56102 | Take-out eating places/ food preparation in market stalls |
| | 56103 | Ice cream truck vendors/ mobile food carts |
| | 56104 | Restaurant and bar activities connected to transportation, when carried out by separate units |
| | 562 | Event catering and other food service activities |
| | 5621 | Event catering |
| | 56210 | Event catering |
| | 5629 | Other food service activities |
| | 56291 | Activities of foodservice contractors (e.g. for transportation companies) |
| | 56292 | Operation of food concessions at sports and similar facilities |
| | 56293 | Operation of canteens or cafeterias (e.g. for factories, offices, hospitals or schools) on a concession basis |
| | 563 | Beverage serving activities |
| | 5630 | Beverage serving activities |
| | 56301 | Coffee shops / fruit juice bars / bars |
| | 56302 | Mobile beverage vendors |
| | 56303 | Others n.e.c. |

Central Product Classification (CPC) Codes for Accommodation and food service activities

| Group | Class | Subclass | Description | PSIC Code |
|--------------------|--------------|-----------------|---|------------------|
| Division 63 | | | Accommodation, food and beverage services | |
| 631 | | | Accommodation services for visitors | |
| | 6311 | | Room or unit accommodation services for visitors | |
| | | 63111 | Room or unit accommodation services for visitors, with daily housekeeping services | 5510 |
| | | 63112 | Room or unit accommodation services for visitors, without daily housekeeping services | 5510 |
| | | 63113 | Room or unit accommodation services for visitors, in time-share properties | 5510 |
| | | 63114 | Accommodation services for visitors, in rooms for multiple occupancy | 5510 |
| | 6312 | 63120 | Camp site services | 5520 |
| | 6313 | 63130 | Recreational and vacation camp services | 5520 |
| 632 | | | Other accommodation services for visitors and others | |
| | 6321 | 63210 | Room or unit accommodation services for students in student Residences | 5590 |
| | 6322 | 63220 | Room or unit accommodation services for workers in workers hostels or camps | 5590 |
| | 6329 | 63290 | Other room or unit accommodation services n.e.c. | 5590 |
| 633 | | | Food serving services | |
| | 6331 | 63310 | Meal serving services with full restaurant services | 5610 |
| | 6332 | 63320 | Meal serving services with limited services | 5610 |
| | 6339 | | Event catering and other food serving services | |
| | | 63391 | Event catering services | 5621 |
| | | 63392 | Contract food services for transportation operators | 5629 |
| | | 63393 | Other contract food services | 5629 |
| | | 63399 | Other food serving services | 5610 |
| 634 | | | Beverage serving services | |
| | 6340 | 63400 | Beverage serving services | 5630 |

Annexure-V: Questionnaire- Others



GOVERNMENT OF PAKISTAN PAKISTAN BUREAU OF STATISTICS ISLAMABAD



Survey on Other Private Services: Maintenance & Repair of Motor Vehicles (452) and Motorcycles (454), Publishing activities (58), Real estate activities (68), Administrative and support service activities (77-82), Arts, entertainment and recreation (90-93) and other service activities (95-96)

CONFIDENTIAL: The information supplied will be treated as confidential under the General Statistics (Reorganization) Act, 2011 and will only be used to produce aggregate tabulation. No data for the individual establishment will be published or made available to any other agency in any format.

SECTION -1 (PARTICULARS OF ESTABLISHMENT)

Processing Code:

Enumeration Block Code:

Serial No. of Establishment:

Title of Establishment: _____

Name of Owner(s)/Proprietor(s): _____

Province: _____ District: _____ Tehsil: _____ City: _____ Village: _____

Name of Respondent: _____ Designation of Respondent: _____

Telephone/Mobile: _____ E-Mail: _____ Website: _____

SECTION -2

2.1 Year of Commencement of Activity

2.2 Is the business activity seasonal? Yes

 No

If yes tick the months during which activity was carried out.

| Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

2.3 No. of month's establishment worked during the year

2.2 Is the establishment registered with any government agency/autonomous body?

(Please tick relevant box)? Yes

 If Yes Name of agency _____ No

2.5 Is the establishment of maintaining accounts? (Please tick relevant box)? Yes

 No

2.6.1 Kind of Major Activity (please tick the appropriate code)

| | | | |
|---|----|--|----|
| 452- Maintenance and Repair of Motor Vehicles | 1 | 454- Maintenance and Repair of Motorcycles | 2 |
| 58- Publishing activities | 3 | 68- Real estate activities | 4 |
| 77- Rental and leasing activities | 5 | 78- Employment activities | 6 |
| 80- Security and investigation activities | 7 | 90- Creative, arts and entertainment activities | 8 |
| 82- Office administrative, office support and other business support activities | | | 9 |
| 93- Sports activities and amusement and recreation activities | 10 | 951- Repair of computers and communication equipment | 11 |
| 952 Repair of personal and household goods (Electronics, furniture, refrigerators, shoes, watches, jewelry, etc.) | | | 12 |
| 96 Other personal service activities (Washing, dry-cleaning, Hairdressing and other beauty treatment, Shoe shiners, etc.) | | | 13 |

2.6.2 Description of Activity:

| | | | | | | |
|--|------------------|--|--|--|--|--|
| | Code (PSIC-2010) | | | | | |
|--|------------------|--|--|--|--|--|

2.7 Type of Organization: (Tick the appropriate code)

| | | | | | | | |
|----------------------|---|-------------|---|------------------|---|-----------------|---|
| Individual Ownership | 1 | Partnership | 2 | Private Ltd. Co. | 3 | Public Ltd. Co. | 4 |
| Cooperative | 5 | Others | 6 | | | | |

SECTION 3: EMPLOYMENT AND EMPLOYMENT COST LAST MONTH

| Employment status | Code | No. of Persons engaged on the last working day | | | Wages & Salaries | Other Cash Payments | Payment In Kind (Non- Cash Benefits) | Total |
|---|------------|--|--------|-------|------------------|---------------------|--------------------------------------|--------------|
| | | Male | Female | Total | Rs. in '000' | Rs. in '000' | Rs. in '000' | Rs. in '000' |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Working Proprietor | 301 | | | | | | | |
| Unpaid Family Workers | 302 | | | | | | | |
| Managers and Professionals | 303 | | | | | | | |
| Technicians and Associate Professional | 304 | | | | | | | |
| Coaches, instructors, and physios, etc. | 305 | | | | | | | |
| Clerical Support Workers | 306 | | | | | | | |
| Service and Sales Workers | 307 | | | | | | | |
| Craft and Related Trades Workers, Machine operators | 308 | | | | | | | |
| Other Employees | 309 | | | | | | | |
| Total | 300 | | | | | | | |

SECTION-4: INPUTS/INTERMEDIATE CONSUMPTION (AT PURCHASER'S PRICES)

Please give figures during last month

Rs. in '000'

| ITEMS OF EXPENDITURES | Code | CPC (For office use only) | Total |
|---|------------|---------------------------|-------|
| Accounting, secretarial and audit fees | 401 | | |
| Advertising and promotion | 402 | | |
| Bank charges | 403 | | |
| Electricity Charges | 404 | | |
| Entertainment Charges | 405 | | |
| Expenditure on stationery and office supplies | 406 | | |
| Expenditure on prepared food including grocery | 407 | | |
| Expenditure on sports goods (Balls, bats, rackets, uniforms, etc.) | 408 | | |
| Expenditure on uniforms | 409 | | |
| Fuel and Lubricants | 410 | | |
| Gas Charges | 411 | | |
| Insurance Premium | 412 | | |
| Interest paid | 413 | | |
| Legal and Professional Expenses (Stamp papers etc.) | 414 | | |
| Material for repair and maintenance | 415 | | |
| Payment for current repair and maintenance work done by others on this establishment's fixed assets | 416 | | |
| Payment for data processing and other services related to information technology | 417 | | |
| Payment for other professional services (e.g. architectural, engineering, surveying consultancy fees, etc.) | 418 | | |
| Payment for security services | 419 | | |
| Postage/Courier | 420 | | |
| Rent of Building | 421 | | |
| Telephone/Fax/Telegraph/ Internet | 422 | | |
| Transportation Charges | 423 | | |
| Travel Expenses | 424 | | |
| Water Charges | 425 | | |
| Other Expenditure n.e.c. (Pl. specify) | | | |
| 1. _____ | 426 | | |
| 2. _____ | 427 | | |
| Total | 400 | | |

SECTION -5 TAXES DURING 2016-17

| Item | Code | Rs. in '000' | Item | Code | Rs. in '000' |
|----------------------------|------|--------------|---------------------------|------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| General Sales Taxes | 501 | | Provincial/District taxes | 504 | |
| Motor Vehicle Tax/Land Tax | 502 | | Other Taxes | 505 | |
| Excise/Import Duty | 503 | | <i>Depreciation</i> | 506 | |
| <i>Total</i> | | | | 500 | |

SECTION-6: TURNOVER / INCOME (Exclusive of GST) DURING LAST MONTH**Rs. in '000'****Publishing activities (58)**

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Total |
|---|------------|---------------------------|-------|
| 1 | 2 | 3 | 8 |
| Publishing of educational text/reference books, directories, in print | 601 | 322 | |
| Publishing of newspapers and periodicals, daily, in print | 602 | 323 | |
| Publishing of newspapers and periodicals, other than daily, in print | 603 | 324 | |
| Publishing of printed maps; music, printed or in manuscript; postcards, greeting cards, pictures, and plans | 604 | 325 | |
| Stamps, cheque forms, stock certificates, brochures and leaflets, advertising material and other printed matter | 605 | 326 | |
| Audio, video and other disks, tapes and other physical media recorded | 606 | 476 | |
| Revenue from online content (textbooks, games, software) | 607 | 843 | |
| Revenue Publishing, printing and reproduction services | 608 | 891 | |
| Revenue from other activities (Please Specify) | | | |
| 1,----- | 609 | | |
| 2,----- | 610 | | |
| Total | 600 | | |

Real estate activities (PSIC 68)

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Total |
|---|------------|---------------------------|-------|
| 1 | 2 | 3 | 4 |
| Rental or leasing services involving own or leased property | 601 | 7211 | |
| Trade services of residential and non-residential buildings | 602 | 7212 | |
| Trade services of vacant and subdivided land (plots etc.) | 603 | 7213 | |
| Property management services on a fee or contract basis | 604 | 7221 | |
| Building sales on a fee or contract basis | 605 | 7222 | |
| Land sales on a fee or contract basis | 606 | 7223 | |
| Real estate appraisal services on a fee or contract basis | 607 | 7224 | |
| Other Income/commission (please specify) | | | |
| 1,----- | 608 | | |
| Total | 600 | | |

Administrative and support service activities (77-82)

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Total |
|--|------------|---------------------------|-------|
| 1 | 2 | 3 | 4 |
| Leasing or rental services concerning transport equipment without operator | 601 | 7311 | |
| Leasing or rental services concerning other machinery and equipment without operator | 602 | 7312 | |
| Leasing or rental services concerning other goods (Furniture, household appliances, textile, clothing, etc.) | 603 | 732 | |
| Employment services | 604 | 851 | |
| Reservation services for transportation | 605 | 8551 | |
| Reservation services for accommodation, cruises and package tours | 606 | 8552 | |
| Tour operator services | 607 | 8554 | |
| Investigation and security services | 608 | 852 | |
| Specialized office support services (Photocopying etc.) | 609 | 8595 | |
| Other Income (please specify) | | | |
| 1 _____ | 610 | | |
| Total | 600 | | |

Arts, entertainment and recreation (90-93)

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Total |
|---|------------|---------------------------|-------|
| 1 | 2 | 3 | 4 |
| Income from services rendered | 601 | | |
| Income from sales of tickets/entrance fees | 602 | | |
| Income from membership fees | 603 | | |
| Income from management services | 604 | | |
| Commission and brokerage earned | 605 | | |
| Income from the rent of buildings and grounds | 606 | | |
| Other Income (please specify) | | | |
| 1 _____ | 607 | | |
| 2 _____ | 608 | | |
| Total | 600 | | |

Other service activities (452, 454, 95-96)

| Value of Sales/Gross Revenue | Code | CPC (For office use only) | Total |
|--|------------|---------------------------|-------|
| 1 | 2 | 3 | 4 |
| Income from maintenance and repair of motor vehicles | 601 | 87141 | |
| Income from maintenance and repair of motorcycles | 602 | 87142 | |
| Income from repair of computers and peripheral equipment | 603 | 8713 | |
| Income from repair and maintenance of communication equipment | 604 | 87153 | |
| Income from repair of consumer electronics | 605 | 87155 | |
| Income from repair of household appliances and home and garden equipment | 606 | 87151 | |
| Income from repair of footwear and leather goods | 607 | 8721 | |
| Income from repair of furniture and home furnishings | 608 | 8724 | |
| Others income from repair of personal and household goods | 609 | 8729 | |
| Income from laundering (dry) cleaning, pressing, etc. | 610 | 971 | |
| Income from hairdressing and other beauty treatment activities | 611 | 972 | |
| Other Income (please specify) | 612 | | |
| 1 _____ | 613 | | |
| Total | 600 | | |

SECTION: 7 GROSS FIXED CAPITAL FORMATION DURING 2016-17**Rs. in '000'**

| Type of Assets | | Acquisition of fixed assets (new/existing) | Additions, Alterations and Major Improvements | Sales proceeds from the disposal of fixed assets | Own account capital formation * | GFCF (2+3-4+5) |
|--------------------------------|-----------------------------------|---|---|--|---------------------------------|----------------|
| 1 | | 2 | 3 | 4 | 5 | 6 |
| 701 | Dwellings (Residential buildings) | | | | | |
| Other Buildings and structures | 702 | Buildings other than dwellings | | | | |
| | 703 | Other structures** | | | | |
| | 704 | Land improvements & cost of land transfer | | | | |
| Machinery and Equipment | 705 | Transport Equipment (vehicles etc.) | | | | |
| | 706 | ICT *** (computer hardware & telecommunication) equipment | | | | |
| | 707 | Furniture & Fixture | | | | |
| | 708 | Other machinery and equipment | | | | |
| Intellectual Property Products | 709 | Research and Development | | | | |
| | 710 | Computer software and database | | | | |
| | 711 | Other intellectual property products | | | | |
| 700 | Total | | | | | |

* Fixed assets produced for own use, ** Telephone/power lines, pipelines, cables, gas pipelines, etc., *** Information, Computer and Telecommunication

Note: Assets, acquired on the financial lease, should be included in the respective category

SECTION -8: SURVEY INFORMATION

| Particulars | Name & Designation | Code | Date |
|---------------------------------------|--------------------|------|------|
| 8.1 FIELD OPERATION | | | |
| 801. Enumerated by: | | | |
| 802. Inspected/checked by supervisor: | | | |
| 8.2 Editing/coding at PBS (HQ) | | | |
| 821. Edited/coded by: | | | |
| 822. Checked by supervisor: | | | |
| 8.3 Data Entry at DP Centre | | | |
| 831. Entered by: | | | |
| 832. Checked by supervisor: | | | |

THANK YOU FOR COMPLETING THE QUESTIONNAIRE

PSIC-2010 Codes for Survey on Other Private Services: Maintenance & Repair of Motor Vehicles (452) and Motorcycles (454), Publishing activities (58), Real estate activities (68), Administrative and support service activities (77-82), Arts, entertainment and recreation (90-93) and other service activities (95-96)

45 Wholesale and retail trade and repair of motor vehicles and motorcycles

452 Maintenance and repair of motor vehicles

4520 Maintenance and repair of motor vehicles

45201 Maintenance and repair of motor vehicles

45202 Tyre and tube repair, fitting or replacement

45209 Others

454 Sale, maintenance and repair of motorcycles and related parts/ accessories

4540 Sale, maintenance and repair of motorcycles and related parts/ accessories

45403 Maintenance and repair of motorcycles

58 Publishing activities

581 Publishing of books, periodicals, and other publishing activities

5811 Book publishing

58111 Publishing of books, brochures, leaflets and similar publications, including publishing of dictionaries and encyclopedias

58112 Publishing of atlases, maps, and charts

58113 Publishing of audiobooks

58114 Publishing of encyclopedias etc. on CD-ROM

5812 Publishing of directories and mailing lists

58121 Publishing of mailing lists

58122 Publishing of telephone books

58123 Publishing of other directories and compilations, such as case law, pharmaceutical compendia, etc.

5813 Publishing of newspapers, journals, and periodicals

58131 Publishing of newspapers, including advertising newspapers

58132 Publishing of periodicals and other journals, including publishing of radio and television schedules

5819 Other publishing activities

58191 Publishing (including on-line) of catalogs, photos, engravings and postcards, greeting cards, forms, posters, reproduction of works of art, advertising material, other printed matter

58192 On-line publishing of statistics or other information

582 Software publishing

68 Real estate activities

681 Real estate activities with own or leased property

6810 Real estate activities with own or leased property

68101 Buying, selling, renting and operating of apartment buildings and dwellings, non-residential buildings, including malls and shopping centers, land, etc.

68102 Provision of homes and furnished or unfurnished flats or apartments for more permanent use, typically on a monthly or annual basis

68103 Development of building projects for own operation, i.e. for renting of space in these buildings

68104 Subdividing real estate into lots, without land improvement

68105 Operation of residential mobile home sites

682 Real estate activities on a fee or contract basis

6820 Real estate activities on a fee or contract basis

68201 Activities of real estate agents and brokers

68202 Intermediation in buying, selling and renting of real estate

68203 Management of real estate

68209 Others n.e.c.

77 Rental and leasing activities

771 Renting and leasing of motor vehicles

7710 Renting and leasing of motor vehicles

77101 Renting and operational leasing of passenger cars (without drivers)

77102 Renting and operational leasing of trucks, utility trailers

77103 Renting and operational leasing of recreational vehicles

772 Renting and leasing of personal and household goods

7721 Renting and leasing of recreational and sports goods

77211 Renting of recreational equipment like pleasure boats, beach chairs, and umbrellas, etc.

77212 Renting of sports equipment like sailboats, bicycles, and other sports equipment, skis

7722 Renting of videotapes and disks

77220 Renting of videotapes, records, CDs, DVDs, etc.

7729 Renting and leasing of other personal and household goods

77291 Renting of Textiles, wearing apparel and footwear, jewelry, musical instruments, etc.

77292 Renting of furniture, pottery, and glass, kitchen, and tableware, etc.

77293 Renting of electrical appliances and housewares etc.

77294 Renting of books, journals, and magazines, etc.

77295 Renting of Machinery and equipment used by amateurs or as a hobby e.g. tools for home repairs, flowers, and plants, electronic equipment, etc.

77299 Renting of Others n.e.c.

773 Renting and leasing of other machinery, equipment, and tangible goods

7730 Renting and leasing of other machinery, equipment, and tangible goods

77301 Renting and operational leasing, without an operator, of other machinery and equipment that are generally used as capital goods by industries

77302 Renting and operational leasing of land transport equipment (other than motor vehicles) without drivers

77303 Renting and operational leasing of water transport equipment without operator

77304 Renting and operational leasing of air transport equipment without operator

77305 Renting and operational leasing of agricultural and forestry machinery and equipment without operator

77306 Renting and operational leasing of construction and civil engineering machinery and equipment without operator

77307 Renting and operational leasing of office machinery and equipment without operator

77308 Renting of animals (e.g. herds, racehorses)

77309 Renting of such others n.e.c.

774 Leasing of intellectual property and similar products, except copyrighted works

78 Employment activities

781 Activities of employment placement agencies

7810 Activities of employment placement agencies

78101 Personnel search, selection referral, and placement activities, including executive placement and search activities

78102 Activities of casting agencies and bureaus, such as theatrical casting agencies

78103 Activities of on-line employment placement agencies

782 Temporary employment agency activities

7820 Temporary employment agency activities

78200 Supplying workers to clients' businesses for limited periods of time

783 Other human resources provision

7830 Other human resources provision

78300 Provision of human resources for client businesses on long term Bases

80 Security and investigation activities

801 Private security activities

8010 Private security activities

80101 Provision of armored car services

80102 Provision of bodyguard services

80103 Provision of polygraph services

80104 Provision of fingerprinting services

80105 Provision of security guard services

802 Security systems service activities

8020 Security systems service activities

80201 Monitoring or remote monitoring of electronic security alarm systems

80202 Installing, repairing, rebuilding, and adjusting mechanical or electronic locking devices, safes, and security vaults

80203 Selling such security systems, mechanical or electronic locking devices, safes, and security vaults.

803 Investigation activities

8030 Investigation activities

80301 Investigation and detective service activities

80302 Activities of all private investigators

82 Office administrative, office support and other business support activities

821 Office administrative and support activities

8219 Photocopying, document preparation, and other specialized office support activities

82191 Document editing or proofreading

82192 Typing, word processing, or desktop publishing/ letter or resume writing

82193 Secretarial support services/transcription of documents

82194 Provision of mailbox rental and other mailing activities

82195 Photocopying/ duplicating/ blueprinting

82199 Other document copying services

90 Creative, arts and entertainment activities

900 Creative, arts and entertainment activities

9000 Creative, arts and entertainment activities

90001 Production of live theatrical presentations, activities of groups

90002 Production of live theatrical presentations, activities of individual artists

90003 Operation of concert and theatre halls and other arts facilities

90004 Activities of sculptors, painters, cartoonists, engravers, etchers, etc.

90005 Activities of individual writers/ independent journalists, for all subjects

90006 Activities of restoring works of art such as paintings etc.

90007 Provision of artistic, creative or technical skills for the production of artistic products and live performances

90009 Others n.e.c.

93 Sports activities and amusement and recreation activities

931 Sports activities

9311 Operation of sports facilities

93111 Operation of facilities for indoor or outdoor sports

93112 Organization and operation of outdoor or indoor sports events for professionals or amateurs by organizations with own facilities

9312 Activities of sports clubs

93120 Operation of sports clubs (football, bowling, swimming, golf, boxing, body-building, hooting clubs, etc.)

9319 Other sports activities

93191 activities of producers or promoters of sports events, with or without facilities activities of individual own-account sportsmen and athletes, referees, judges, time-keepers, etc.

93192 activities of sports leagues and regulating bodies

93193 activities of mountain guides

93199 Other such activities n.e.c.

932 Other amusement and recreation activities

95 Repair of computers and personal and household goods

951 Repair of computers and communication equipment

9511 Repair of computers and peripheral equipment

95111 Repair and maintenance of computers, servers, scanners, projectors, etc.

95112 Repair and maintenance of computer terminals like automatic teller machines (ATMs), point-of-sale (POS) terminals, etc.

9512 Repair of communication equipment

95120 Repair and maintenance of communications equipment

952 Repair of personal and household goods

9521 Repair of consumer electronics

95211 Repair and maintenance of consumer electronics (television, radio receivers, video cassette recorders (VCR), household-type video cameras, etc.)

95219 Others n.e.c.

9522 Repair of household appliances and home and garden equipment

95221 Repair and servicing of household appliances (refrigerators, stoves, washing machines, clothes dryers, room air conditioners, etc.)

95229 Repair and servicing of home and garden equipment (lawnmowers, edgers, snow- and leaf- blowers, trimmers, etc.)

9523 Repair of footwear and leather goods

95231 Repair and maintenance of footwear (shoes, boots, fitting of heels, etc.

95232 Repair and maintenance of leather goods (luggage and the like etc.)

95239 Others n.e.c.

9524 Repair of furniture and home furnishings

95241 Reupholstering, refinishing, repairing and restoring of furniture and home furnishings including office furniture, assembly of self-standing furniture

95249 Others n.e.c.

9529 Repair of other personal and household goods

95291 Repair of bicycles/ sporting goods (except sporting guns)

95292 Repair and alteration of clothing

95293 Repair and alteration of jewelry

95294 Repair of watches, clocks and their parts

95295 Repair of books

95296 Repair of musical instruments/ piano-tuning

95297 Repair of toys and similar articles

95298 Repair of other personal and household goods

95299 Others n.e.c.

96 Other personal service activities

960 Other personal service activities

9601 Washing and (dry-) cleaning of textile and fur products

96011 Laundering and dry-cleaning, pressing, etc., of all kinds of clothing (including fur)

96012 Laundry collection and delivery

96013 Carpet and rug shampooing and drapery and curtain cleaning

96014 Provision of linens, work uniforms and related items by laundries

96015 Diaper supply services

96019 Repair and minor alteration of garments or other textile articles when done in connection with cleaning

9602 Hairdressing and other beauty treatment

96021 Hair washing, trimming and cutting, setting, dyeing, tinting, waving, straightening and similar activities for men and women

96022 Shaving and beard trimming

96023 Facial massage, manicure, and pedicure, make-up, etc.

96029 Others n.e.c.

9609 Other personal service activities n.e.c.

96091 Activities of Turkish baths, sauna and steam baths, etc.

96092 astrological and spiritualists' activities

96093 Social activities such as services of marriage bureaux

96094 Pet care services such as boarding, grooming, sitting and training pets

96095 Shoe shiners, porters, valet car parkers, etc.

96096 Concession operation of coin-operated personal service machines (photo booths, weighing machines, machines for checking blood pressure, coin-operated lockers, etc.)

96099 Others n.e.c.

CPC Codes for Survey on Other Private Services: Maintenance & Repair of Motor Vehicles (452) and Motorcycles (454), Publishing activities (58), Real estate activities (68), Administrative and support service activities (77-82), Arts, entertainment and recreation (90-93) and other service activities (95-96)

| | PSIC Code |
|--|-----------------------------------|
| 8714 Maintenance and repair of transport machinery and equipment | |
| 87141 Maintenance and repair services of motor vehicles | 4520 |
| 87142 Maintenance and repair services of motorcycles | 4540 |
| 87143 Maintenance and repair services of trailers, semitrailers and other motor vehicles n.e.c. | 4520 |
| 891 Publishing, printing and reproduction services | |
| 8911 89110 Publishing, on a fee or contract basis | 5811,5812,5813,5819, 5820,5920 |
| Division 72 Real estate services | |
| 721 Real estate services involving own or leased property | |
| 7211 Rental or leasing services involving own or leased property | |
| 72111 Rental or leasing services involving own or leased residential property | 6810 |
| 72112 Rental or leasing services involving own or leased non-residential property | 6810 |
| 722 Real estate services on a fee or contract basis | |
| 7221 Property management services on a fee or contract basis | |
| 72211 Residential property management services on a fee or contract basis except of time-share ownership properties | 6820 |
| 72212 Non-residential property management services on a fee or contract basis | 6820 |
| 72213 Time-share property management services on a fee or contract basis | 6820 |
| 7222 Building sales on a fee or contract basis | |
| 72221 Residential building sales on a fee or contract basis, except of time-share ownership properties | 6820 |
| 72222 Non-residential building sales on a fee or contract basis | 6820 |
| 72223 Sale of time-share properties on a fee or contract basis | 6820 |
| 7223 72230 Land sales on a fee or contract basis | 6820 |
| 7224 72240 Real estate appraisal services on a fee or contract basis | 6820 |
| Division 73 Leasing or rental services without operator | |
| 731 Leasing or rental services concerning machinery and equipment without operator | |
| 7311 Leasing or rental services concerning transport equipment without operator | |
| 73111 Leasing or rental services concerning cars and light vans without operator | 7710 |
| 73112 Leasing or rental services concerning goods transport motor vehicles without operator | 7710 |
| 732 Leasing or rental services concerning other goods | |
| 7321 73210 Leasing or rental services concerning televisions, radios, video cassette recorders and related equipment and accessories | 7729 |
| 7322 73220 Leasing or rental services concerning video tapes and disks | 7722 |
| 7323 73230 Leasing or rental services concerning furniture and other household appliances | 7729 |
| 7324 73240 Leasing or rental services concerning pleasure and leisure equipment | 7721 |
| 7325 73250 Leasing or rental services concerning household linen | 7729 |
| 7326 73260 Leasing or rental services concerning textiles, clothing and footwear | 7729 |
| 7327 73270 Leasing or rental services concerning do-it-yourself machinery and equipment | 7729 |
| 7329 73290 Leasing or rental services concerning other goods n.e.c. | 7729 |
| 73114 Leasing or rental services concerning other land transport equipment without operator | 7730 |
| 73117 Leasing or rental services concerning containers | 7730 |
| 73123 Leasing or rental services concerning officemachinery and equipment (except computers) without operator | 7730 |
| 73124 Leasing or rental services concerning computers without operator | 7730 |
| 73125 Leasing or rental services concerning telecommunications equipment without operator | 7730 |
| 73129 Leasing or rental services concerning other machinery and equipment | |

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|---|------|
| without operator n.e.c. | 7730 |
| Division 85 Support services | |
| 851 Employment services | |
| 8511 Personnel search and referral services | |
| 85111 Executive/retained search services | 7810 |
| 85112 Permanent placement services, other than executive search services | 7810 |
| 8512 Labour supply services | |
| 85121 Contract staffing services | 7810 |
| 85122 Temporary staffing services | 7820 |
| 85123 Long-term staffing (payrolling) services | 7830 |
| 85124 Temporary staffing-to-permanent placementservices | 7820 |
| 85125 Co-employment staffing services | 7830 |
| 852 Investigation and security services | |
| 8521 85210 Investigation services | 8030 |
| 8522 85220 Security consulting services | 7490 |
| 8523 85230 Security systems services | 8020 |
| 8524 85240 Armoured car services | 8010 |
| 8525 85250 Guard services | 8010 |
| 8529 85290 Other security services | 8010 |
| 8595 Specialized office support services | |
| 85951 Duplicating services | 8219 |
| 85952 Mailing list compilation services | 8299 |
| 85953 Mailing services | 8219 |
| 85954 Document preparation and other specialized office support services | 8219 |
| 962 Performing arts and other live entertainment event presentation and promotion services | |
| 9621 96210 Performing arts event promotion and organization services | 9000 |
| 9622 96220 Performing arts event production and presentation services | 9000 |
| 9623 96230 Performing arts facility operation services | 9000 |
| 9629 96290 Other performing arts and live entertainment services | 9000 |
| 963 Services of performing and other artists | |
| 9631 96310 Services of performing artists | 9000 |
| 9632 96320 Services of authors, composers, sculptors and other artists, except performing artists | 9000 |
| 9633 96330 Original works of authors, composers and other artists except performing artists, painters and sculptors | 9000 |
| 965 Sports and recreational sports services | |
| 9651 Sports and recreational sports event promotion and organization services | |
| 96511 Sports and recreational sports event promotion services | 9319 |
| 96512 Services of sports clubs | 9312 |
| 9652 96520 Sports and recreational sports facility operation services | 9311 |
| 9659 96590 Other sports and recreational sports services | 9319 |
| 966 Services of athletes and related support services | |
| 9661 96610 Services of athletes | 9319 |
| 9662 96620 Support services related to sports and recreation | 9319 |
| 8713 87130 Maintenance and repair services of computers and peripheral equipment | 9511 |
| 87153 Maintenance and repair services of telecommunication equipment and apparatus | 9512 |
| 87155 Maintenance and repair services of consumer electronics | 9521 |
| 8739 87390 Installation services of other goods n.e.c. | 9521 |
| 87151 Maintenance and repair services of electrical household appliances | 9522 |
| 872 Repair services of other goods | |
| 8721 87210 Repair services of footwear and leather goods | 9523 |
| 8722 87220 Repair services of watches, clocks and jewelry | 9529 |
| 8723 87230 Repair services of garments and household textiles | 9529 |
| 8724 87240 Repair services of furniture | 9524 |
| 8729 87290 Maintenance and repair services of other goods n.e.c. | 9529 |

Division 97 Other services**971 Washing, cleaning and dyeing services**

| | |
|--|------|
| 9711 97110 Coin-operated laundry services | 9601 |
| 9712 97120 Dry-cleaning services (including fur product cleaning services) | 9601 |
| 9713 97130 Other textile cleaning services | 9601 |
| 9714 97140 Pressing services | 9601 |
| 9715 97150 Dyeing and coloring services | 9601 |

972 Beauty and physical well-being services

| | |
|---|------|
| 9721 97210 Hairdressing and barbers' services | 9602 |
| 9722 97220 Cosmetic treatment, manicuring and pedicuring services | 9602 |
| 9723 97230 Physical well-being services | 9609 |
| 9729 97290 Other beauty treatment services n.e.c. | 9602 |

979 Other miscellaneous services

| | |
|--|------|
| 9791 97910 Escort services | 9609 |
| 9799 97990 Other miscellaneous services n.e.c. | 9609 |