



# Census of Electricity Establishments (CEE) 2004-05



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## Foreword

Federal Bureau of Statistics (FBS) has been conducting Census of Electricity Establishments (CEE) on annual basis since 1962-63. The last report published in the series relates to the year 2003-04.

2. This report presents results of the CEE conducted during the year 2004-05 and includes data on installed capacity, electricity generation, electricity consumption, number of consumers, fuel consumption, industrial cost and value added at national and provincial levels. All the electricity establishments both in public and private sectors, independent power producers (IPPs) and captive units have been covered in this Census.

3. The compilation of this document has been possible only with the cooperation of data source agencies (Annexure-I), which provided the requisite information. Federal Bureau of Statistics (FBS) is thankful to the Management of Water & Power Development Authority (WAPDA), Karachi Electric Supply Corporation (KESC), Pakistan Atomic Energy Commission, Independent Power Producers and Captive Units for furnishing the requisite information.

4. I hope that this publication will be of use as a reference document for researchers and policy makers on power sector in Pakistan. Suggestions for improvement of contents and presentation for future issues of this publication would be welcome.

**(ASAD ELAHI)**  
Secretary

Government of Pakistan  
Ministry of Economic Affairs & Statistics  
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July 2006

## Acknowledgement

This document, Census of Electricity Establishments (CEE), 2004-05 attempts to evaluate the real share of the electricity sub-sector in the Gross Domestic Product ( GDP) of Pakistan. The regular annual estimates of this sector are based on almost full coverage of the source agencies.

The first report published on Census of Electricity Establishments (CEE) was for the year 1962-63. CEE was not conducted for the years 2000-01 to 2002-03. This is the last report in the series and presents data for the year 2004-05

I would like to take this opportunity to pay my debt of gratitude to our respondents of data both in Public and Private Sector.

I would like to appreciate the officers/staff of Energy & Mining Statistics Section (Annexure-III) for their untiring efforts in compiling this document under the guidance of Mr. Mohammad Ajmal, Director.

Ghulam Ahmad  
Deputy Director General

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## Chapter-I

### Introduction, Objectives and Data Collection

#### Introduction

This report is the twenty-seventh in the series compiled by Federal Bureau of Statistics (FBS). The first census report was brought out for the year 1962-63. This report presents data for the year 2004-05 (July-June) at national and provincial levels. The CEE covered all public and private sector electricity establishments engaged in generation, transmission and distribution of electricity whether Hydel, Thermal or Nuclear during the year under report (2004-05).

#### Objectives & Coverage

The main objective of the CEE is to derive value addition of electricity sub-sector in the national economy. The census aims at collecting information on installed capacity by type of plants, electricity generated by type of fuel used, electricity consumption and number of consumers by sectors, Gross Fixed Capital Formation (GFCF) industrial cost, gross value of production, value added, electricity consumed in auxiliaries and system losses.

The CEE, 2004-05 covered all the electricity establishments engaged in generation, transmission and distribution of electricity both in Public and Private Sectors in all the Provinces and Federal Capital Islamabad. The Northern Areas, Federally Administered Tribal Areas (FATA) and Azad Kashmir were however out of the scope of this Census. The data for the years 2000-01 to 2002-03 has not been given in this Report as no census was conducted for these years.

#### Data Collection

The census of electricity establishments is conducted through mail. Census questionnaires (Annexure-II) were dispatched to all the 60 electricity establishments (public & private) (Annexure-I). The frame of electricity establishments was obtained from Ministry of Water and Power (Private Power & Infrastructure Board (PPIB) and National Electric Power Regulatory Authority (NEPRA), Islamabad. As a result of hectic efforts and vigorous follow up, response from 50 functioning electricity establishments was obtained. Three electricity establishments (Captive Units) were found closed. The remaining seven minor captive units did not respond despite repeated reminders and telephonic contacts.

## Chapter-II

### Concepts and Definitions

#### Electricity Establishments

Any public/private utility establishment, which is engaged in generation, transmission and distribution of electricity.

#### Watt

Watt is a unit of power. A watt is defined as the rate of doing one joule (J) of work in one second. Common units of power are multiple of the watt. These are as under:

- One Watt (W) = 01 J/S
- One kilowatt (KW) =  $10^3$  J/S
- One Megawatt (MW) =  $10^6$  J/S
- One Gigawatt (GW) =  $10^9$  J/S

#### Kilowatt Hours

Kilowatt hour is a precise measure of energy and work. It is the work equivalent to 1000 watts (Joules per second) over one hour time.

- Work = Power x Time
- One Kilowatt hour (Kwh) =  $3.6 \times 10^3$  Joules
- One Million watt hour (Mwh) =  $3.6 \times 10^6$  Joules
- One Giga watt hour (Gwh) =  $3.6 \times 10^9$  Joules

#### Auxiliaries Consumption

Electricity consumed in the power station during electricity generation.

#### System Losses

Electricity lost in the process of transmission and distribution of electricity.

#### Value Added

It is the difference between the values of electricity sold and industrial cost including overhead cost/ non-industrial cost.

#### Industrial Cost

It consists of cost of fuel, lubricants and spare parts.

#### Domestic

Domestic / Residential means electricity consumed by the households

#### Commercial

It means electricity consumed by the commercial users such as shops, hotels, restaurants etc.

**Industrial**

Electricity consumed by the industrial / manufacturing sectors such as textile industry, cement industry and sugar industry etc.

**Agriculture**

Electricity consumed in the agriculture sector such as tubewells.

**Public Lighting**

Electricity consumed at public places such as street lights and parks etc.

**Bulk Supply**

Electricity sold in bulk to distributing licensees.

**WAPDA Thermal Power Plants**

The WAPDA thermal power generation facilities have been restructured into limited companies, called GENCOS, as per then Government of Pakistan policies. These companies are: Jam Shoro Power Generation Company (GENCO-I), Central Power Generation Company (GENCO-II), Northern Power Generation Company (GENCO-III) and Lakhra Power Generation Company (GENCO-IV)

**Power Generation Policy 2002**

The Power Generation Policy 2002 issued by the Government of Pakistan focuses on private sector based on indigenous resources i.e. Hydro, Coal and Gas based power projects.

**Coal based generation**

The present government attaches the highest priority to development of coal based power stations. One such serious attempt is for development of coal mines at Thar and Power station based on the coal with the Chinese assistance. The proposed project envisage a power complex comprising two units each of 300 MW, in the first phase. Based on the proven resources of about 150 billion tones of coal a Power Station upto 6000 MW is possible. Similarly, other power plants based on Lakhra Coal (450 MW) and Thatta Coal (250 MW) are also in the feasibility stage.

**GFCF**

Gross Fixed Capital Formation (GFCF) is equal to addition of fixed assets minus disposal of fixed assets (sale proceeds).

**Quarterly Estimates**

One of the requirement of the implementation of System of National Accounts (SNA), 1993 guidelines is preparation of quarterly accounts. Attempts were made to collect the data on Gross Fixed Capital Formation (GFCF) on quarterly basis to meet the requirement of SNA-1993 (Table-22 & 23)

## Chapter-III

### Findings

#### Installed Capacity

At present, the total installed capacity from all the establishments (Thermal, Hydel and Nuclear) stands at 20,456 MW as compared to 20,360 MW in the year 2003-04 showing an increase of 0.5%. Year-wise installed capacity of electricity and percent change since 1990-91 is given in Table-1.

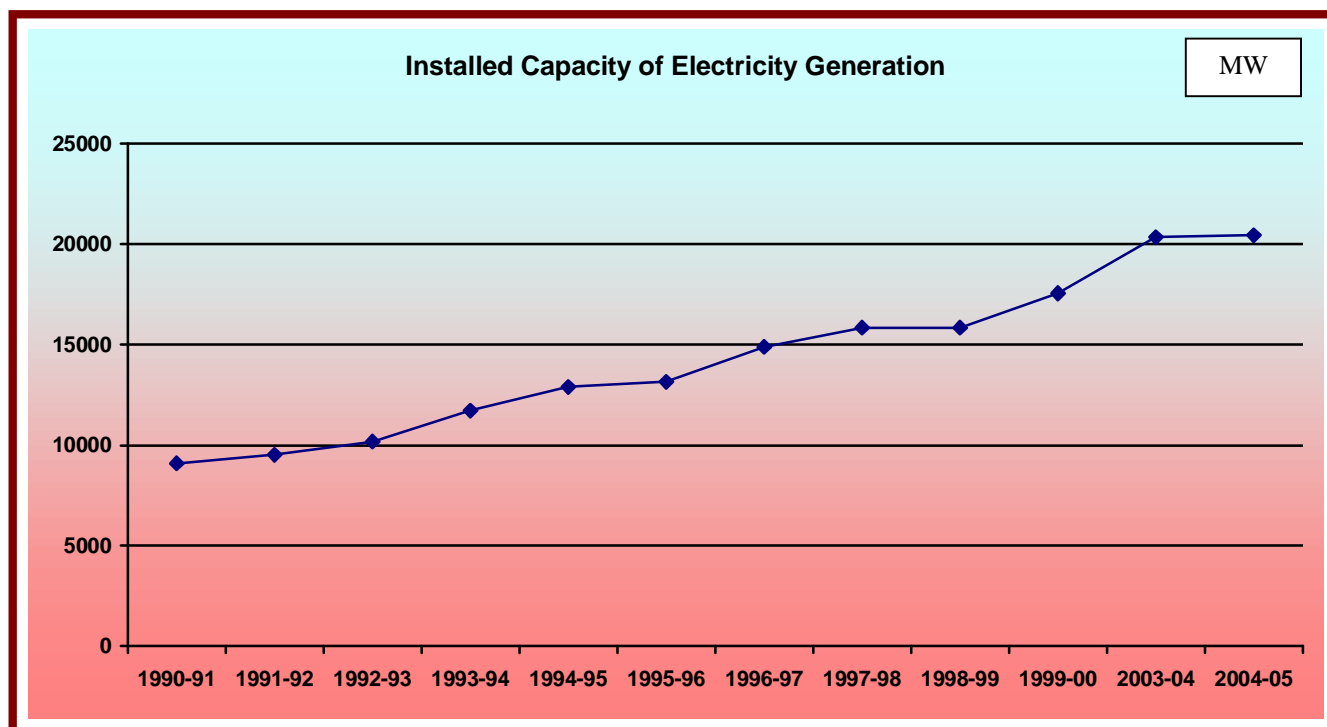
**Table-1**

**Installed Capacity of Electricity Generation**

(MW)

Year	Installed Capacity	Percent Change	Year	Installed Capacity	Percent Change
1	2	3	4	5	6
1990-91	9,094	-	1996-97	14,893	13.2
1991-92	9,533	4.8	1997-98	15,860	6.5
1992-93	10192	6.9	1998-99	15,860	-
1993-94	11,721	15.0	1999-00	17,564	10.7
1994-95	12,894	10.0	2003-04	20,360	3.75
1995-96	13,154	2.0	2004-05	20,456	0.5

**Figure-1**





## Electricity Generation

The power generation performance of all the electricity establishments witnessed improvement during the report year. The total generation of electricity during the year 2004-05 stood at 88,379 Million KWH as against 83,607 Million KWH in the year 2003-04 showing an increase of 5.7% as compared to the year 2003-04. Year-wise electricity generation and annual percent change since 1990-91 is given in Table-2.

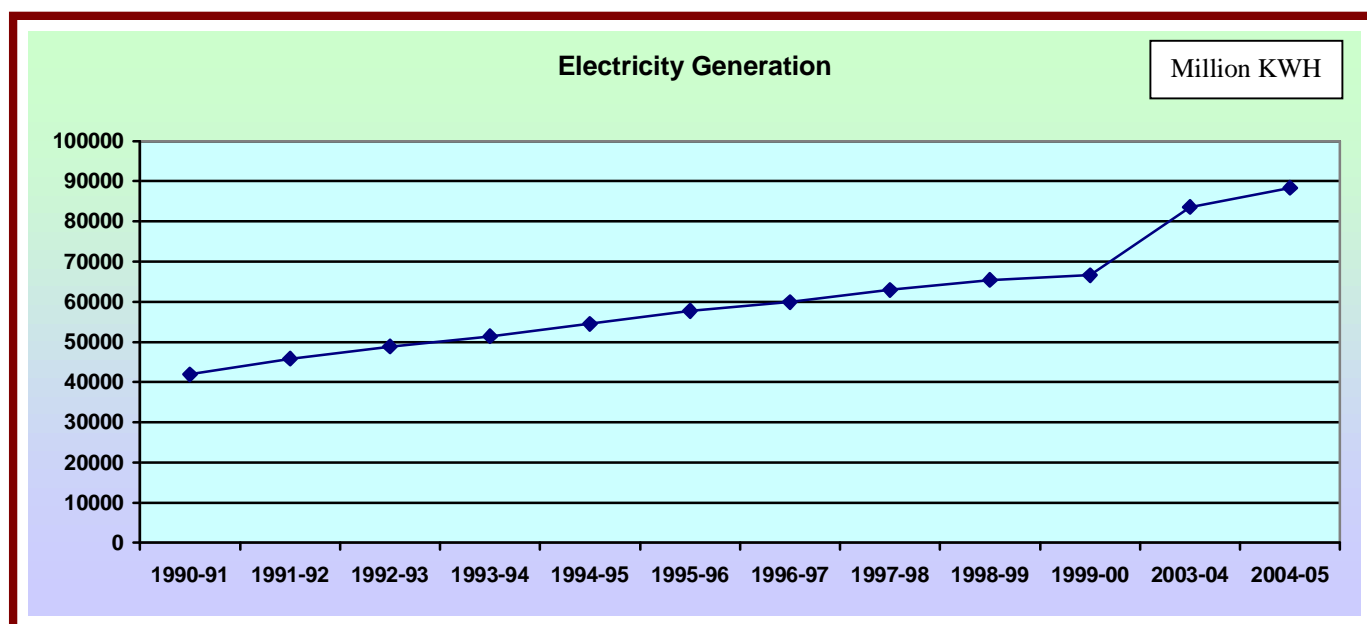
**Table-2**

### Electricity Generation

(Million KWH)

Year	Electricity Generation	Percent Change	Year	Electricity Generation	Percent Change
1	2	3	4	5	6
1990-91	41,918	-	1996-97	59,894	3.7
1991-92	45,876	9.4	1997-98	62,915	5.0
1992-93	48,912	6.6	1998-99	65,402	4.0
1993-94	51,474	5.2	1999-00	66,562	1.0
1994-95	54,530	5.9	2003-04	83,607	5.9
1995-96	57,732	5.9	2004-05	88,379	5.7

**Figure-2**



### Installed Capacity by type of Plant

Installed capacity by type of plant i.e. Hydel, Thermal and Nuclear for the years 1990-91 to 2004-05 is given in Table-3. During the year under report the total installed capacity was 20,456 MW. The share of Thermal was 66% whereas the Hydel and Nuclear stood at 32% and 2% respectively.

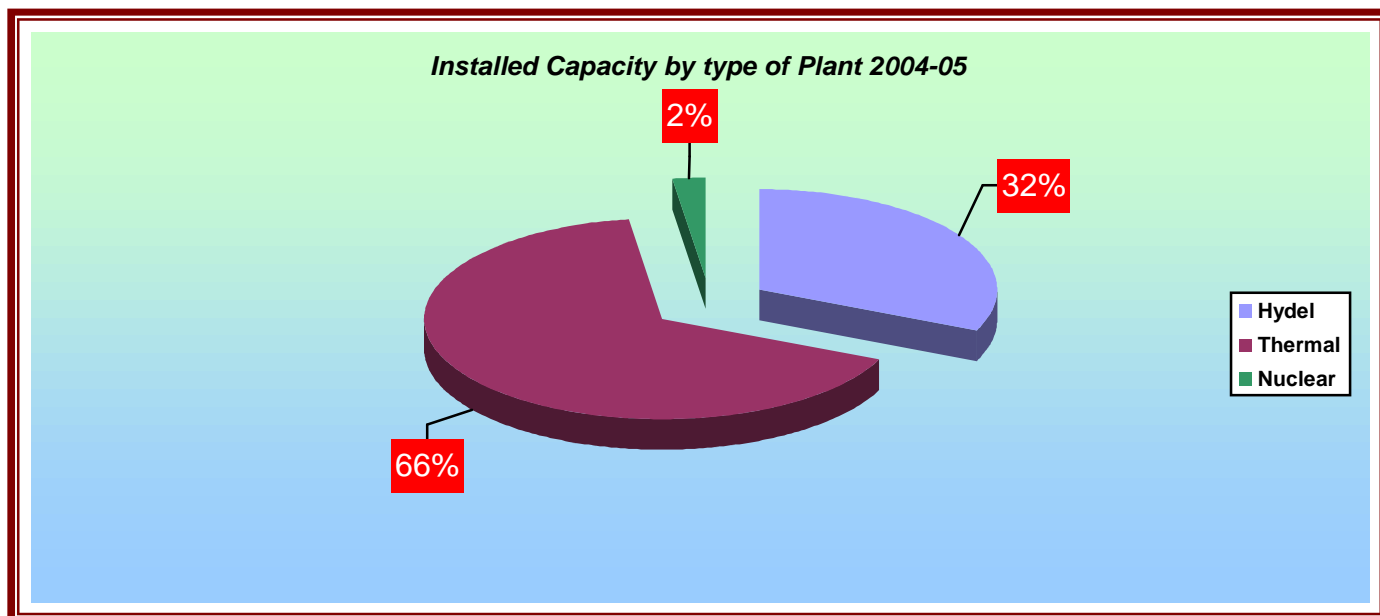
**Table-3**

#### Installed Capacity by type of Plant

(MW)

Year	Total	Hydel	Thermal	Nuclear
1	2	3	4	5
1990-91	9,094	2,898	6,059	137
1991-92	9,534	3,330	6,067	137
1992-93	10,192	3,761	6,294	137
1993-94	11,721	4,725	6,859	137
1994-95	12,894	4,826	7,931	137
1995-96	13,154	4,826	8,191	137
1996-97	14,983	4,826	10,020	137
1997-98	15,860	4,826	10,897	137
1998-99	15,860	4,826	10,897	137
1990-00	17,564	4,826	12,601	137
2003-04	20,360	6,464	13,434	462
2004-05	20,456	6,464	13,530	462

**Figure-3**



## Electricity Generation by type of Plant

The electricity generation by type of plant i.e. Hydel, Thermal and Nuclear for the years 1990-91 to 2004-05 is given in Table-4. During the year under report, the electricity generated from all sources was 88,379 Million KWH. This includes generation from WAPDA, KESC, IPPs and Captive units. The total power generation during 2004-05 remained at 88,379 Million KWH showing an increase of 5.7% over the previous year. The share of Thermal was 68% while the share of Hydel and Nuclear stood at 29% and 3% respectively. WAPDA Hydro Power Stations generated 25,588 million KWH during the year under report shows decrease of 6% against the gross generation of 277,372 Million KWH in the financial year 2003-04 (Table-4)

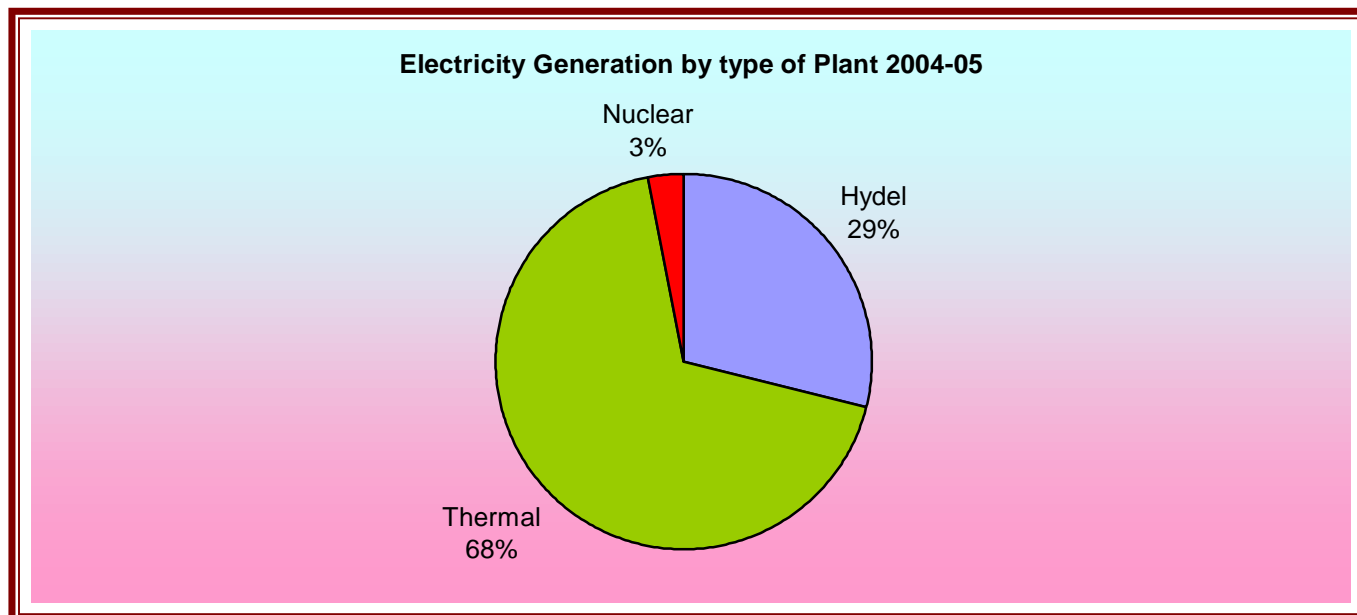
**Table-4**

### Electricity Generation by type of Plant

(Million KWH)

Year	Total	Hydel	Thermal	Nuclear
1	2	3	4	5
1990-91	41,918	18,298	23,235	385
1991-92	45,876	18,647	26,811	418
1992-93	48,912	21,112	27,218	582
1993-94	51,474	19,436	31,541	497
1994-95	54,530	22,858	31,161	511
1995-96	57,732	23,206	34,043	483
1996-97	59,894	20,858	38,690	346
1997-98	62,915	22,060	40,480	375
1998-99	65,402	22,449	42,669	284
1999-00	66,562	19,288	46,875	399
2003-04	83,607	27,372	54,475	1,760
2004-05	88,379	25,588	59,996	2,795

**Figure-4**



## Electricity Consumption by Sector

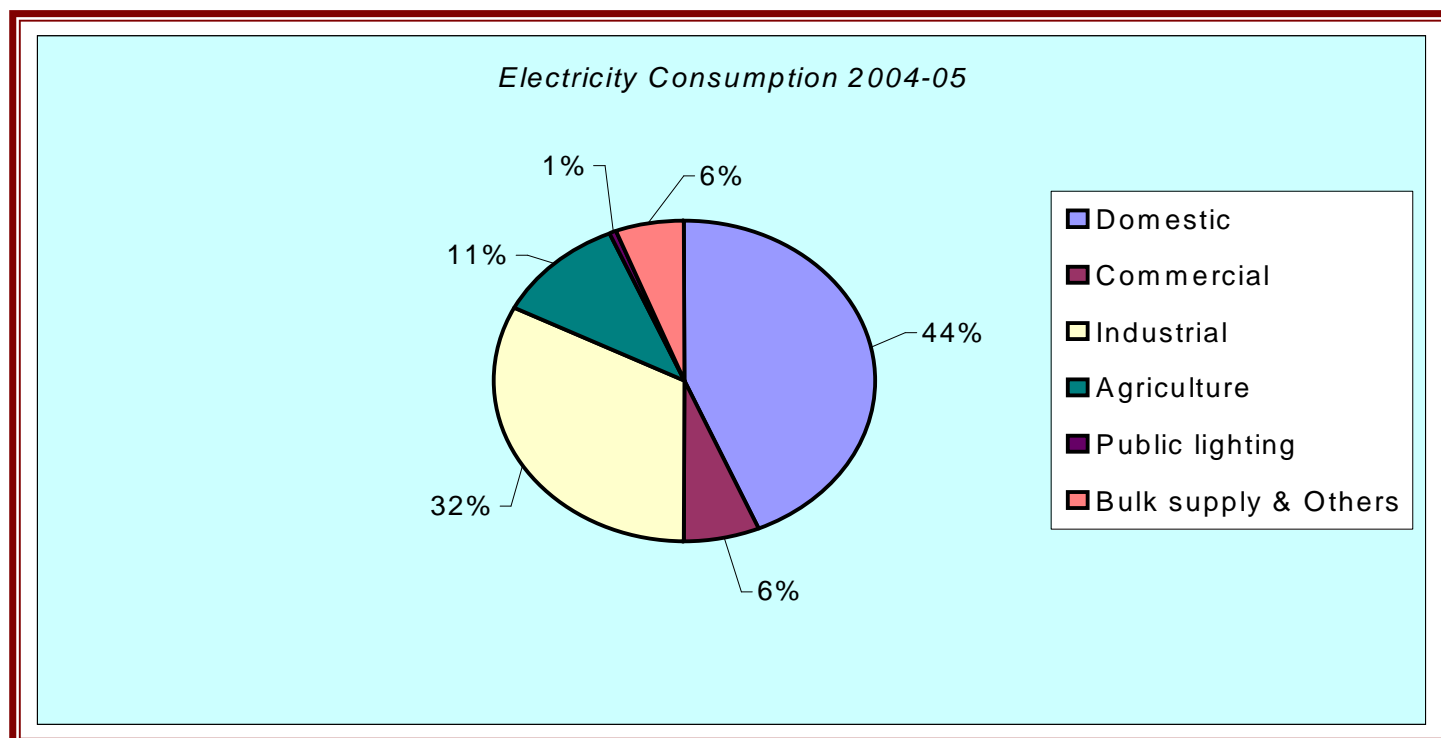
The total electricity consumption during the year 2004-05 stood at 63,298 Million KWH as compared to 59,316 Million KWH in the year 2003-04 showing an increase of 6.7%. The pattern of consumption in the domestic sector for 2004-05 figured 43.6 percent of total electric consumption. While consumption of commercial, industrial, agriculture and other sectors stood at 6.4%, 32.5%, 11.1% and 6.4% respectively as given in Table-5

**Table-5**  
**Electricity Consumption by Sector**

(Million KWH)

Sector	1998-99		1999-00		2003-04		2004-05	
	Units	%	Units	%	Units	%	Units	%
1	2	3	4	5	6	7	8	9
Total	45,756	100.0	46,358	100.0	59,316	100.0	63,298	100.0
Domestic	19,268	42.1	21,485	46.4	25,394	42.8	27,601	43.6
Commercial	2,381	5.2	2,544	5.5	3,586	6.0	4,080	6.4
Industrial	12,924	28.3	13,972	30.1	19,738	33.3	20,561	32.5
Agriculture	5,620	12.3	4,542	9.8	6,669	11.2	6,988	11.1
Public Lighting	225	0.5	239	0.5	271	0.5	306	0.5
Bulk Supply & others	5,338	11.6	3,576	7.7	3,658	6.2	3,762	5.9

**Figure-5**



## Number of Consumers / Connections

The total number of consumers / connections during the year 2004-05 was recorded as 16,718 thousand as compared to 15,841 thousand in the year 2003-04 showing an increase of 5.5%. Sector-wise number of consumers are given in Table-6

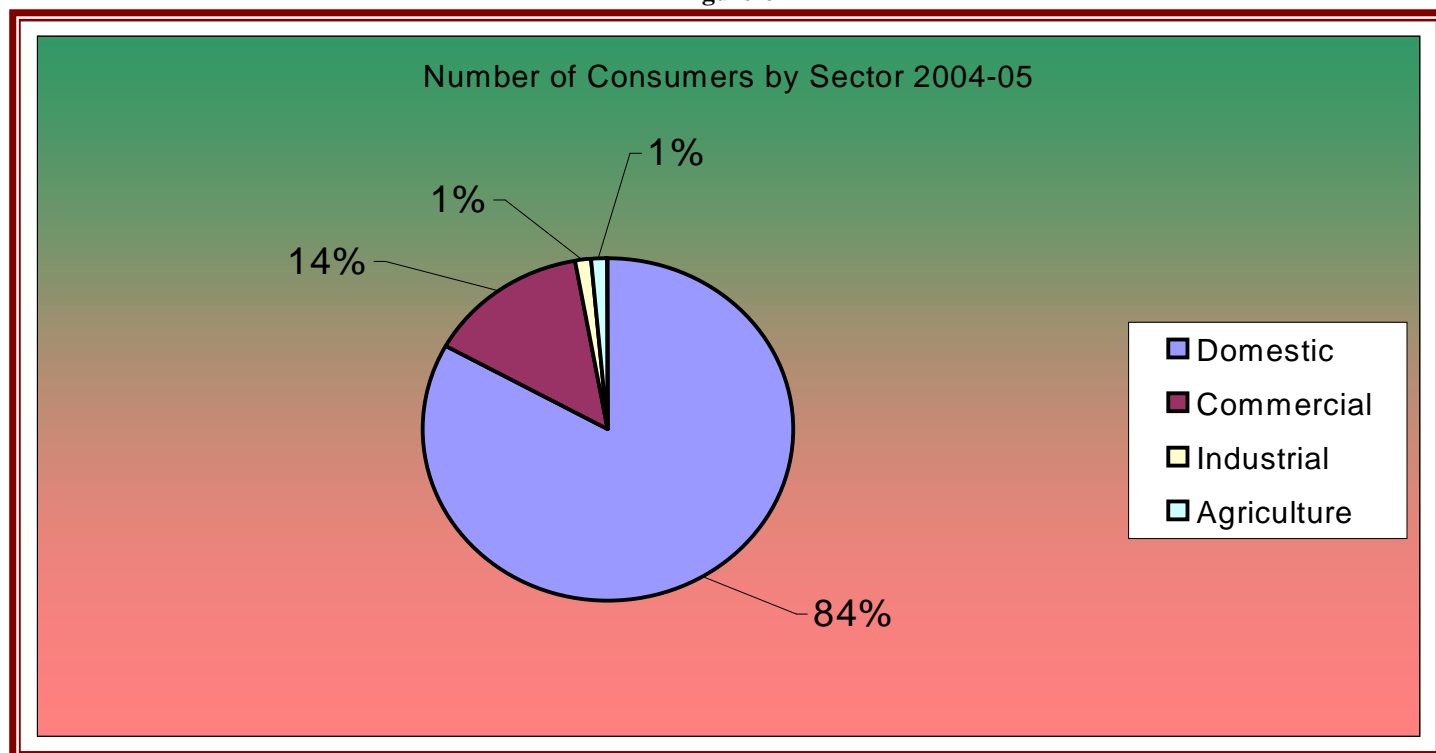
**Table-6**

### Number of Consumers by Sector

(000 Nos.)

Sector 1	1998-99 2		1999-00 3		2003-04 4		2004-05 5	
	Nos.	%	Nos.	%	Nos.	%	Nos.	%
Total	12,248	100.0	13,192	100.0	15,841	100.0	16,718	100.0
Domestic	10,005	81.7	10,783	81.7	13,086	82.6	13,888	83.1
Commercial	1,840	15.0	2,001	15.2	2,313	14.6	2,379	14.2
Industrial	220	1.8	224	1.7	230	1.5	234	1.4
Agriculture	174	1.4	175	1.3	201	1.3	204	1.2
Others	09	0.1	09	0.1	11	0.1	13	0.1

**Figure-6**



## Electricity Consumed in Auxiliaries and System Losses

The electricity consumed in auxiliaries of power stations was 3,478 Million KWH in 2004-05 as compared to 3,174 Million KWH in 2003-04. The electricity loss in the transmission and distribution process was 21,603 Million KWH in the year 2004-05 as against 21,117 Million KWH in the year 2003-04.

Data on electricity consumed in auxiliaries of power stations and system losses (transmission & distribution losses) is given in Table-7. System losses remained at the same level in 2004-05 (25.4%) as compared to previous year (25.3%).

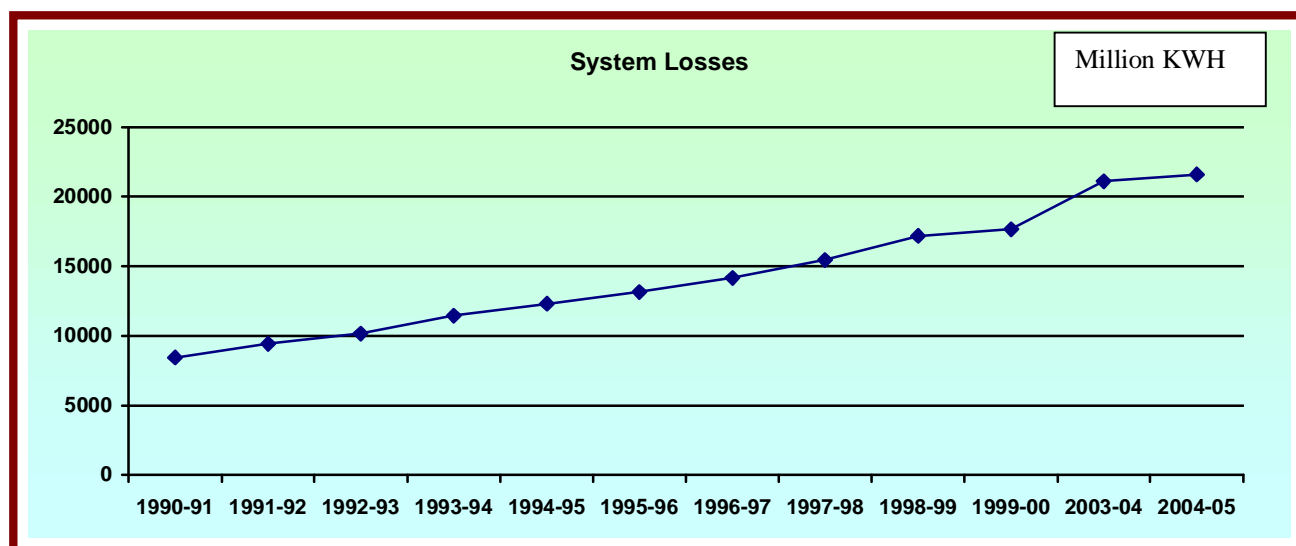
**Table-7**

### Electricity Consumed in Auxiliaries and System Losses

(Million KWH)

Year	Units Generated	Auxiliaries Consumption		System Losses	
		Units	%	Units	%
1	2	3	4	5	6
1990-91	41,918	1,345	3.2	8,445	20.8
1991-92	45,876	1,480	3.2	9,434	21.2
1992-93	48,912	1,564	3.2	10,168	21.5
1993-94	51,474	1,768	3.4	11,460	23.0
1994-95	54,530	1,829	3.4	12,316	23.4
1995-96	57,732	2,094	3.6	13,159	23.7
1996-97	59,894	2,236	3.7	14,172	24.6
1997-98	62,915	2,350	3.7	15,453	25.5
1998-99	65,402	2,467	3.8	17,179	27.3
1999-00	66,562	2,540	3.8	17,664	27.6
2003-04	83,607	3,174	3.8	21,117	25.3
2004-05	88,379	3,478	3.9	21,603	25.4

**Figure-7**



### Value of Electricity Sold

The value of electricity sold i.e. energy charges billed (Revenue from sale of power and other charges) during the year 2004-05 stood at 275.87 billion rupees as against 243.61 billion rupees during the year 2003-04 showing an increase of 13% over the year 2003-04 (Table-8)

### Industrial Cost / Fuel Cost

The industrial cost incurred during the year 2004-05 was 137.2 billion rupees as compared to 108.6 billion rupees during the year 2003-04. It showed an increase of 26% over the previous year. (Table-8) The share of natural gas and furnace oil in the total value of fuel used during 2004-05 was 53% and 39% respectively. (Table-16)

### Value Added

The total value added during the year 2004-05 stood at 138.6 billion rupees as against 135.0 billion rupees in the year 2003-04 showing an increase of 3%. (Table-8) Data on value of electricity sold, industrial cost and value added for the years 1990-91 to 2004-05 is given in Table-8. Value Added for this year stands at Rs. 138,640 million as compared to last year Rs. 135,005 million showing an increase of 2.7%.

**Table-8**

#### Value of Electricity Sold, Industrial Cost and Value Added

(Million Rs)

Year	Value Of Electricity Sold	Industrial Cost	Value Added
1	2	3	4
1990-91	38,928	12,750	26,178
1991-92	44,896	15,934	28,962
1992-93	49,345	18,761	30,584
1993-94	56,986	22,738	34,248
1994-95	68,654	27,862	40,792
1995-96	99,687	36,742	62,945
1996-97	113,746	48,315	65,431
1997-98	134,592	58,140	76,452
1998-99	148,620	61,534	87,086
1999-00	164,895	69,548	95,347
2003-04	243,606	108,601	135,005
2004-05	275,867	137,227	138,640

# Statistical Tables



Table-1

## Energy Statistics at a glance

S. No.	Description	Unit	1997-98	1998-99	1999-00	2003-04 *	2004-05 *
1.	INSTALLED GENERATING CAPACITY	MW	15,860	15,860	17,564	20,360	20,456
	i) Thermal	"	10,897	10,897	12,601	13,434	13,530
	ii) Hydel	"	4,826	4,826	4,826	6,464	6,464
	iii) Nuclear	"	137	137	137	462	462
2.	MAXIMUM LOAD DEMAND	"	10,554	10,922	11,145	13,151	13402
3.	ELECTRICITY GENERATION	Mn. Kwh	62,915	65,402	66,562	83,607	88,379
	i) Thermal	"	40,480	42,669	46,875	54,475	59,996
	ii) Hydel	"	22,060	22,449	19,288	27,372	25,588
	iii) Nuclear	"	375	284	399	1,760	2,795
4.	UNITS CONSUMED	"	45,112	45,756	46,358	59,316	63,298
5.	VALUE OF UNITS CONSUMED	Mn Rs	134,592	148,620	164,895	243,606	275,867
6.	INDUSTRIAL COST	"	58,140	61,534	69,548	108,601	137,227
7.	VALUE ADDED	"	76,452	87,086	95,347	135,005	138,640
8.	NUMBER OF CONSUMERS	000	11,605	12,248	13,192	15,841	16,718
9.	AUXILIARIES CONSUMPTION	%	3.7	3.8	3.8	3.8	3.9
10.	SYSTEM LOSSES	%	25.5	27.3	27.6	25.3	25.4

**Note**

- \* Captive units generate power for own consumption. These units were not covered in earlier CEE reports but have been accounted for in 2003-04 and onwards CEE reports.

**Table-2**  
**Summary Statistics by Province (2004-05)**

S. No.	Description	Unit	Pakistan	Punjab	Sindh	NWFP	Balochistan
1	2	3	4	5	6	7	8
1.	INSTALLED-GENERATING CAPACITY	(MW)	20,456	8,929	5,564	3,768	2,195
	i) Thermal	(")	13,530	5,908	5,427	-	2,195
	ii) Hydel	(")	6,464	2,696	-	3,768	-
	iii) Nuclear	(")	462	325	137	-	-
2.	ELECTRICITY GENERATION	(GWH)	88,379	39,750	27,447	13,706	7,476
	i) Thermal	(")	59,996	25,395	27,125	-	7,476
	ii) Hydel	(")	25,588	11,882	-	13,706	-
	iii) Nuclear	(")	2,795	2,473	322	-	-
3.	ELECTRICITY CONSUMPTION	(")	63,298	38,591	13,480	7,645	3,582
4.	POPULATION*	Mill Nos.	151.55	85.17	34.85	23.95	7.58
5.	PER CAPITA CONSUMPTION	(KWH)	418	453	387	319	473
6.	NO OF CONSUMERS	(000)	16718	10,903	3,084	2,325	406

\*Source: Pakistan Statistical Year Book 2005

**Note:**

AJK has not been covered in this CEE report while Mangla Hydel Power is included in Punjab

**Table-3****Installed Capacity by Province and type of Plant (200405)**

(MW)

Province	Installed Capacity			
	Total	Thermal	Hydel	Nuclear
1	2	3	4	5
Pakistan	20,456	13,530	6,464	462
Punjab	8,929	5,908	2,696	325
Sindh	5,564	5,427	-	137
NWFP	3,768	-	3,768	-
Balochistan	2,195	2,195	-	-

**Table-4****Electricity Generation by Province and type of Plant (2004-05)**

(Million KWH)

Province	Electricity Generation			
	Total	Thermal	Hydel	Nuclear
1	2	3	4	5
Pakistan	88,379	59,996	25,588	2,795
Punjab	39,750	25,395	11,882	2,473
Sindh	27,447	27,125	-	322
NWFP	13,706	-	13,706	-
Balochistan	7,476	7,476	-	-

**Table-5****Installed Capacity by Province and Agency (2004-05)**

(MW)

Province	Installed Capacity					
	Total	WAPDA	KESC	IPPs	Captive Units	Others
1	2	3	4	5	6	7
Pakistan	20,456	11,299	1,756	5,832	1,107	462
Punjab	8,929	4,611	-	3,328	665	325
Sindh	5,564	2,829	1,756	497	345	137
NWFP	3,768	3,768	-	-	-	-
Balochistan	2,195	91	-	2,007	97	-

**Table-6****Electricity Generation by Province and Agency (200405)**

(Million KWH)

Province	Electricity-Generation					
	Total	WAPDA	KESC	IPPs	Captive Units	Others
1	2	3	4	5	6	7
Pakistan	88,379	47,777	9,304	25,669	2,834	2,795
Punjab	39,750	20,056	-	15,517	1,704	2,473
Sindh	27,447	13,904	9,304	2,883	1,034	322
NWFP	13,706	13,706	-	-	-	-
Balochistan	7,476	111	-	7,269	96	-

**Table-7****Thermal Electricity Generation by type of Fuel and Agency (2004-05)**

(Million KWH)

Type of Fuel	Total	WAPDA	KESC	IPPs	Captive Units
1	2	3	4	5	6
Coal	265	175	-	-	90
Gas	44,482	18,796	7,086	17,588	1,012
Furnace Oil	14,495	3,213	2,213	7,964	1,105
HSD	362	05	05	117	235
Others	392	-	-	-	392
Total	59,996	22,189	9,304	25,669	2,834

Table-8

## Electricity Generated, Sold and System Losses

(Million KWH)

Year	Units Generated	Consumption In Auxiliaries		Units Sent Out	Units Sold	System Losses		System Losses And Auxiliaries Consumption	
		Units	%			Units	%	Units	%
1	2	3	4	5	6	7	8	9	10
1990-91	41,918	1,345	3.2	40,573	32,128	8,445	20.8	9,790	23.4
1991-92	45,876	1,480	3.2	44,396	34,962	9,434	21.2	10,914	23.8
1992-93	48,912	1,564	3.2	47,348	37,180	10,168	21.5	11,732	24.0
1993-94	51,474	1,768	3.4	49,706	38,246	11,460	23.0	13,228	25.7
1994-95	54,530	1,829	3.4	52,701	40,385	12,316	23.4	14,145	25.9
1995-96	57,732	2,094	3.6	55,638	42,479	13,159	23.7	15,253	26.4
1996-97	59,894	2,236	3.7	57,658	43,486	14,172	24.6	16,408	27.4
1997-98	62,915	2,350	3.7	60,565	45,112	15,453	25.5	17,803	28.3
1998-99	65,402	2,467	3.8	62,935	45,756	17,179	27.3	19,646	30.0
1999-00	66,562	2,540	3.8	64,022	46,358	17,664	27.6	20,204	30.4
2003-04	83,607	3,174	3.8	80,433	59,316	21,117	25.3	24,291	29.0
2004-05	88,379	3,478	3.9	84,901	63,298	21,603	25.4	25,081	28.4

Table-9

## Electricity Consumption by Province and Sector (2004-05)

(Million KWH)

Sector	Pakistan	Punjab	Sindh	NWFP	Balochistan
1	2	3	4	5	6
Total	63,298	38,591	13,480	7,645	3,582
Domestic	27,601	16,665	5,457	5,101	378
Commercial	4,080	2,483	1,157	359	81
Industrial	20,561	14,064	5,034	1,278	185
Agricultural	6,988	3,054	653	441	2,840
Public lighting	306	145	140	17	4
Bulk supply and Others	3,762	2,180	1,039	449	94

Table-10

## Year-wise Electricity Consumption by Province

(Million KWH)

Year	Pakistan	Punjab	Sindh	NWFP	Balochistan
1	2	3	4	5	6
1990-91	32,128	18,476	8,682	3,847	1,123
1991-92	34,962	20,372	9,137	4,156	1,297
1992-93	37,180	21,879	9,248	4,688	1,365
1993-94	38,246	21,947	9,919	4,976	1,404
1994-95	40,385	23,635	9,653	5,625	1,472
1995-96	42,479	24,556	10,070	6,267	1,586
1996-97	43,486	25,121	10,062	6,638	1,665
1997-98	45,112	25,638	10,976	6,794	1,704
1998-99	45,756	25,245	12,581	6,243	1,687
1999-00	46,358	27,033	10,975	6,528	1,822
2003-04	59,316	36,246	12,573	7,230	3,267
2004-05	63,298	38,591	13,480	7,645	3,582

Figure-8

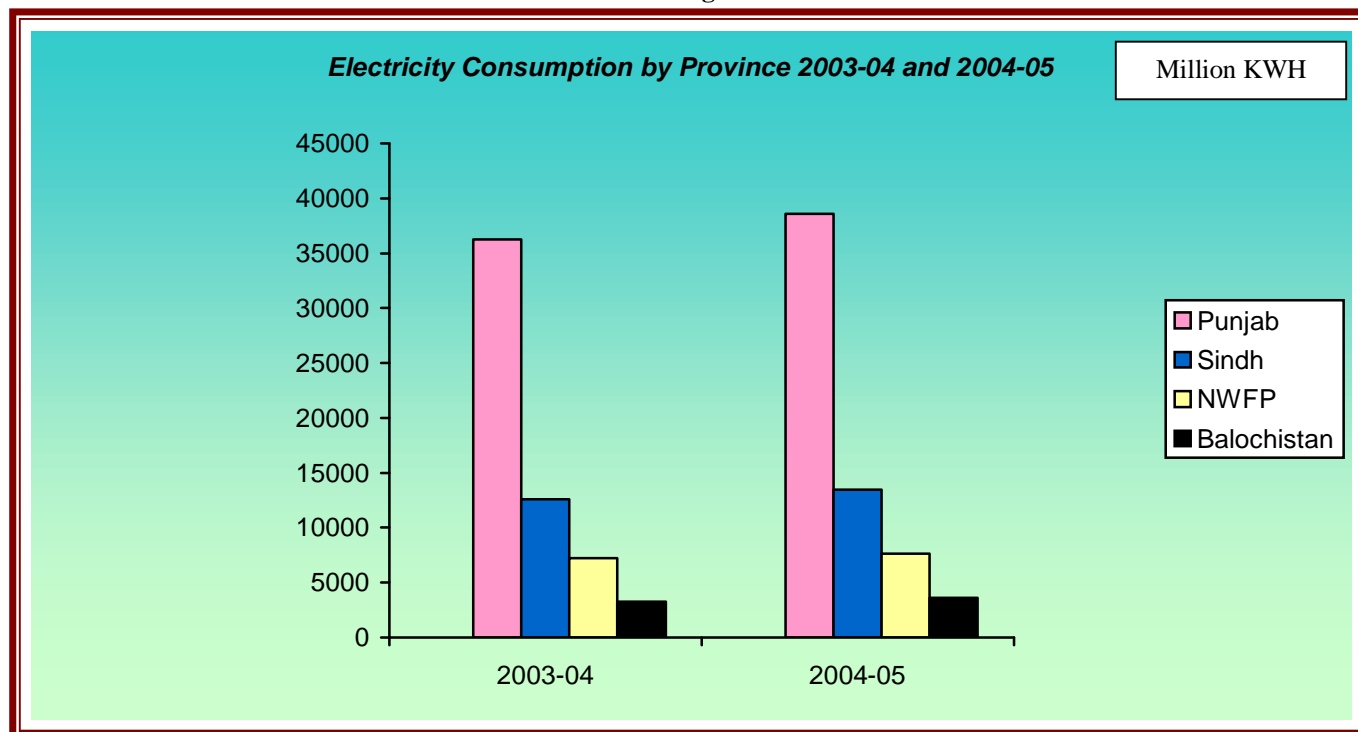


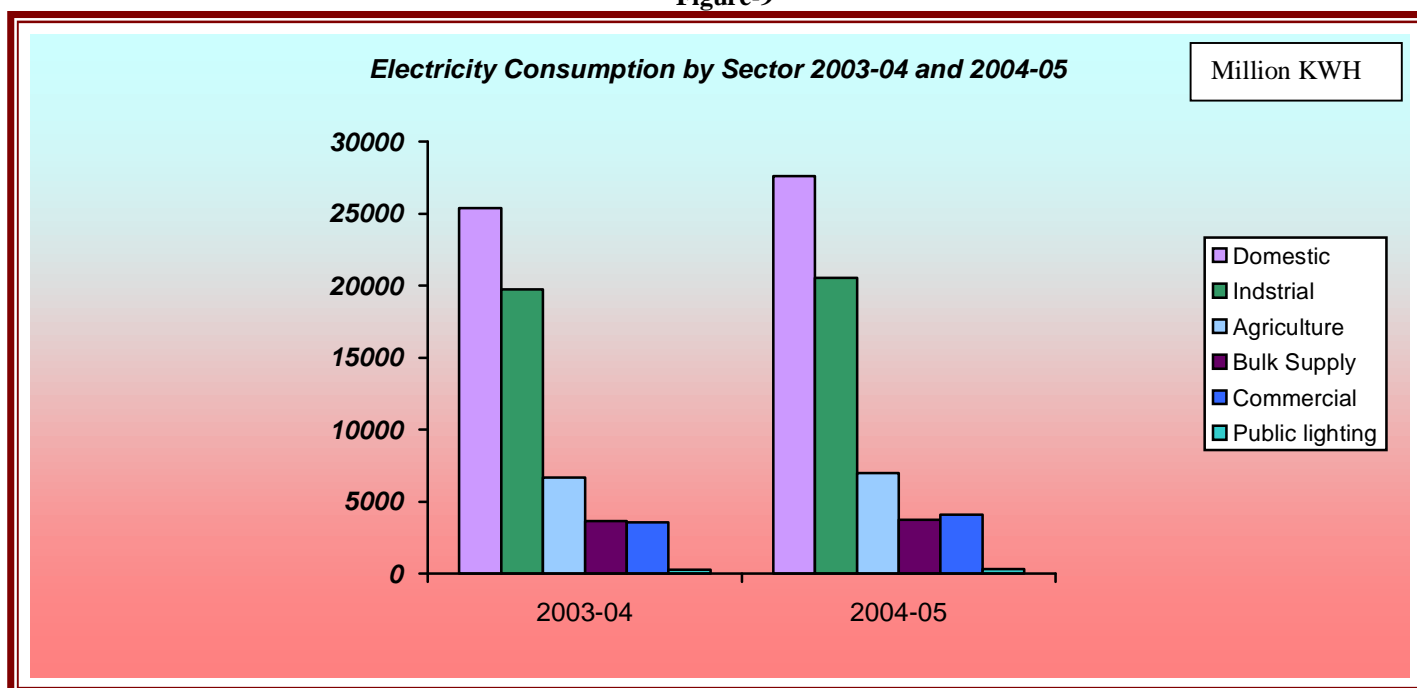
Table-11

## Year-wise Electricity Consumption by Sector

(Million KWH)

Year	Total	Domestic	Commercial	Industrial	Agriculture	Public Lighting	Bulk Supply & Others
1	2	3	4	5	6	7	8
1990-91	32,128	10,400	2,066	11,690	5,619	262	2,091
1991-92	34,962	11,458	2,144	12,824	5,848	310	2,378
1992-93	37,180	13,205	1,726	13,658	5,620	287	2,684
1993-94	38,246	14,134	1,786	13,392	5,772	298	2,864
1994-95	40,385	15,583	1,941	13,306	6,252	325	2,978
1995-96	42,479	17,116	2,174	12,885	6,696	378	3,230
1996-97	43,486	17,684	2,241	12,754	7,086	390	3,331
1997-98	45,112	18,670	2,334	13,042	6,937	387	3,742
1998-99	45,756	19,268	2,381	12,924	5,620	225	5,338
1999-00	46,358	21,485	2,544	13,972	4,542	239	3,576
2003-04	59,316	25,394	3,586	19,738	6,669	271	3,658
2004-05	63,298	27,601	4,080	20,561	6,988	306	3,762

Figure-9



**Table-12**  
**Pattern of Electricity Consumption**

(%)

Year	Total	Domestic	Commercial	Industrial	Agriculture	Public Lighting	Bulk Supply & Others
1	2	3	4	5	6	7	8
1990-91	100.00	32.37	6.43	36.38	17.49	0.82	6.51
1991-92	100.00	32.77	6.13	36.68	16.73	0.89	6.80
1992-93	100.00	35.52	4.64	36.73	15.12	0.77	7.22
1993-94	100.00	36.95	4.67	35.02	15.09	0.78	7.49
1994-95	100.00	38.59	4.81	32.95	15.48	0.80	7.37
1995-96	100.00	40.29	5.12	30.34	15.76	0.89	7.60
1996-97	100.00	40.67	5.15	29.33	16.29	0.90	7.66
1997-98	100.00	41.38	5.17	28.92	15.38	0.86	8.29
1998-99	100.00	42.11	5.20	28.25	12.28	0.49	11.67
1999-00	100.00	46.35	5.49	30.14	9.80	0.52	7.70
2003-04	100.00	42.81	6.05	33.27	11.24	0.46	6.17
2004-05	100.00	43.61	6.45	32.48	11.04	0.48	5.94

**Table-13**  
**Number of Consumers by Province and Sector (2004-05)**

(000)

Sector	Pakistan	Punjab	Sindh	NWFP	Balochistan
1	2	3	4	5	6
Total	16,718	10,903	3,084	2,325	406
Domestic	13,888	9,175	2,393	2,012	308
Commercial	2,379	1,425	622	255	77
Industrial	234	165	41	25	03
Agricultural	204	131	24	31	18
Bulk supply and Others	13	07	04	02	-



**Table-14****Year-wise Number of Consumers by Province****(000)**

<b>Year</b>	<b>Pakistan</b>	<b>Punjab</b>	<b>Sindh</b>	<b>NWFP</b>	<b>Balochistan</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1990-91	8,316	5,268	1,718	1,159	171
1991-92	8,845	5,649	1,788	1,224	184
1992-93	9,342	5,984	1,864	1,301	193
1993-94	9,815	6,290	1,959	1,362	204
1994-95	10,326	6,661	2,028	1,415	222
1995-96	10,768	6,954	2,096	1,483	235
1996-97	11,206	7,241	2,184	1,534	247
1997-98	11,605	7,502	2,255	1,592	256
1998-99	12,248	7,884	2,425	1,652	287
1999-00	13,192	8,443	2,680	1,751	318
2003-04	15,841	10,281	2,962	2,212	386
2004-05	16,718	10,903	3,084	2,325	406

**Table-15****Year-wise Number of Consumers by Sector****(000)**

<b>Year</b>	<b>Total</b>	<b>Domestic</b>	<b>Commercial</b>	<b>Industrial</b>	<b>Agriculture</b>	<b>Others</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1990-91	8,316	6,601	1,371	185	153	06
1991-92	8,845	7,054	1,436	192	156	07
1992-93	9,342	7,499	1,486	196	154	07
1993-94	9,815	7,914	1,535	200	159	07
1994-95	10,326	8,324	1,626	205	163	08
1995-96	10,768	8,756	1,631	207	166	08
1996-97	11,206	9,165	1,652	212	169	08
1997-98	11,605	9,502	1,708	214	172	09
1998-99	12,248	10,005	1,840	220	174	09
1999-00	13,192	10,783	2,001	224	175	09
2003-04	15,841	13,086	2,313	230	201	11
2004-05	16,718	13,888	2,379	234	204	13

Table-16

## Fuel Consumption and Fuel Cost (2004-05)

(Million Rs)

Fuel Items	Unit	Fuel Consumed	Fuel Cost
1	2	3	4
Natural Gas	MMCF	587,846	72,817
Furnace Oil	000 M. Ton	3,694	53,481
Diesel Oil	000 Litre	183,679	4,346
Coaltar	000 M. Ton	18,674	213
Coal	000 M. Ton	273	278
Blast Furnace Gas	TCM	829,563	516
Coke Oven Gas	TCM	79,742	294
Others	-	-	5,282
Total:	-	-	137,227

Table-17

## Power Energy in Pakistan

Year	Installed Capacity (MW)	Electricity Generation (Million KWH)	Electricity Consumption (Million KWH)	Number of Consumers (000)
1	2	3	4	5
1990-91	9,094	41,918	32,128	8,316
1991-92	9,533	45,876	34,962	8,845
1992-93	10,192	48,912	37,180	9,342
1993-94	11,721	51,474	38,246	9,815
1994-95	12,894	54,530	40,385	10,326
1995-96	13,154	57,732	42,479	10,768
1996-97	14,983	59,894	43,486	11,206
1997-98	15,860	62,915	45,112	11,605
1998-99	15,860	65,402	45,756	12,248
1999-00	17,564	66,562	46,358	13,192
2003-04	20,360	83,607	59,316	15,841
2004-05	20,456	88,379	63,298	16,718

**Table-18**  
**Power Energy in Punjab**

<b>Year</b>	<b>Installed Capacity (MW)</b>	<b>Electricity Generation (Million KWH)</b>	<b>Electricity Consumption (Million KWH)</b>	<b>Number of Consumers (000)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1990-91	2,370	10,562	18,476	5,268
1991-92	2,585	12,063	20,732	5,649
1992-93	2,585	12,045	21,879	5,984
1993-94	3,104	12,943	21,947	6,290
1994-95	4,133	15,844	23,635	6,661
1995-96	4,343	19,116	24,556	6,954
1996-97	4,754	16,928	25,121	7,241
1997-98	5,498	18,829	25,638	7,502
1998-99	5,498	22,056	25,245	7,884
1999-00	6,042	18,993	27,033	8,443
2003-04	8,478	31,970	36,246	10,281
2004-05	8,929	39,750	38,591	10,903

**Table-19**  
**Power Energy in Sindh**

<b>Year</b>	<b>Installed Capacity (MW)</b>	<b>Electricity Generation (Million KWH)</b>	<b>Electricity Consumption (Million KWH)</b>	<b>Number of Consumers (000)</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1990-91	4,607	18,695	8,682	1,718
1991-92	4,383	20,860	9,137	1,788
1992-93	4,610	21,261	9,248	1,864
1993-94	4,755	23,887	9,919	1,959
1994-95	4,899	22,463	9,653	2,028
1995-96	4,949	22,210	10,070	2,096
1996-97	5,075	21,,289	10,062	2,184
1997-98	5,208	21,923	10,976	2,255
1998-99	4,998	20,230	12,581	2,425
1999-00	5,642	23,766	10,975	2,180
2003-04	6,005	2,8776	12,573	2,962
2004-05	5,564	27,447	13,480	3,084

Table-20

## Power Energy in NWFP

Year	Installed Capacity (MW)	Electricity Generation (Million KWH)	Electricity Consumption (Million KWH)	Number of Consumers (000)
1	2	3	4	5
1990-91	2,034	12,354	3,847	1,159
1991-92	2,465	12,512	4,156	1,224
1992-93	2,897	15,141	4,688	1,301
1993-94	3,762	14,210	4,976	1,362
1994-95	3,762	15,847	5,625	1,415
1995-96	3,762	16,029	6,267	1,483
1996-97	3,762	14,996	6,638	1,534
1997-98	3,762	15,742	6,794	1,592
1998-99	3,762	17,468	6,243	1,652
1999-00	3,762	15,927	6,528	1,751
2003-04	3,762	16,210	7,230	2,212
2004-05	3,768	13,706	7,645	2,325

Table-21

## Power Energy in Balochistan

Year	Installed Capacity (MW)	Electricity Generation (Million KWH)	Electricity Consumption (Million KWH)	Number of Consumers (000)
1	2	3	4	5
1990-91	83	307	1,123	171
1991-92	100	441	1,297	184
1992-93	100	465	1,365	193
1993-94	100	434	1,404	204
1994-95	100	376	1,472	222
1995-96	100	377	1,586	235
1996-97	1,392	6,681	1,665	247
1997-98	1,392	6,421	1,704	256
1998-99	1,404	5,648	1,687	287
1999-00	2,118	6,636	1,822	318
2003-04	2,115	6,651	3,267	386
2004-05	2,195	7,476	3,582	406

### Gross Fixed Capital Formation (GFCF) (2004-05)

Efforts were made to gather the quarterly information on Power Sector to put Pakistan on International Standards such as General Data Dissemination Standard (GDDS). However the establishments declined to provide quarterly data on Gross Fixed Capital Formation (GFCF). Therefore, annual figures on GFCF for the year 2004-05, provided by all functioning electricity establishments are aggregated in Table-22.

**Table-22**

#### Gross Fixed Capital Formation (GFCF) (2004-05)

(Million Rs)

Sector	Addition of Fixed Assets	Disposal of Fixed Assets	GFCF
Public Sector	14667	180	14487
Private Sector	6745	504	6241
Total	21412	684	20728

### Quarterly Estimates

Quarterly electricity generation figures as provided by the electricity establishments are given below in the Table-23

**Table-23**

#### Quarterly Electricity Generation by type of Plant (2004-05)

(Million KWH)

Quarters	Total	Hydel	Thermal	Nuclear
Annual	88,379	25,588	59,996	2,795
Quarter-1	25,648	9,469	15,618	561
Quarter-2	20,397	5,025	14,638	734
Quarter-3	18,462	2,812	14,886	764
Quarter-4	23,872	8,282	14,854	736

## Annexure-I

List of Data Source Agencies for CEE, 2004-05 (*Public Sector*)

<p>1. Jamshoro Power Generation Co Ltd GENCO-I, TPS, Moharo Jabal, Dadu Road Jamshoro Tel 0221-61877 Fax 0221-61085</p>	<p>6. Mr. Abdul Rouf Yousuf Chief Controller Finance Karachi Electric Supply Corporation Aimai House, Abdullah Haroon Road, Karachi. Tel 021-9206568 Fax 021-02-5792</p>
<p>2. Central Power Generation Company GENCO-II, TPS, Guddu Tel 071-9310323 Fax 071-9310322</p>	<p>7. Karachi Nuclear Power Complex P.O.Box.3183,Karachi-75400 Tel 021-9202222 Fax 021-9202340</p>
<p>3. Northern Power Generation Co Ltd GENCO-III, NPGCL, TPS Muzaffargarh Tel 061-547176 Fax 061-515325</p>	<p>8. Chasma Nuclear Power Plant District Mianwali Tel 0459-241730--35 Fax 0459-241505</p>
<p>4. Lakhra Power Generation Co Ltd GENCO-IV 172 Wapda House, Lahore Tel 042-9202525 Fax 042-9202529</p>	<p>9. Mr. Khalid M. Akhtar Corporate Secretary Pakistan Steel Bin Qasim, Karachi, 75000 Tel 021-4750271-72 Fax 021-4750156</p>
<p>5. The General Manager Hydel, WAPDA Wapda House, Shahrah-e-Quaid-e-Azam Lahore Tel 042-9202189 Fax 042-0202159</p>	

List of Data Source Agencies for CEE, 2004-05(*Independent Power Producers*)

1.	Mr. Waheed Sohail Performance Engineer Kot Addu Power Company Limited Kot Addu GTPS.Kot Addu, Distt.Muzaffargarh Tel 0697-42975 Fax 0697-41817	9.	Mr. Sohail H Hydari General Manager Gul Ahmad Energy Ltd 35-B, Block 6, PECH Society, Karachi Tel 021-4540270-3
2.	Syed Khalid Masood Finance Controller The Hub Power Company Limited Islamic Chamber Building Block-9,Clifton P.O.Box 13841, Karachi. Tel 021-5874677-86 Fax 021-5870397	10.	Mr. Muhammad Hassan Accounts Department AES Lal Pir Company Ltd, Muzaffargarh Tel 0661-422967-9 Fax 0661-422993
3.	Mr. Mustafa Lakdawala Manager Accounts Tapal Energy Limited F-25, Block-5, Kehkashan, Clifton, Karachi Tel 021- 5876995 Fax 021-5876991-3	11.	AES Pak General Company Ltd, Near Mehmood Kot Muzaffargarh Tel 0661-422967-9 Fax 0661-422993
4.	Mr. Atiq-ur-Rehman, Manager Finance Fauji Kabirwalla Power Company Ltd. 14-Harlay Street Rawalpindi Cantt. Tel 051-9272143 Fax 051-9272158	12.	Mr. Nasir M0ehmood Manager Finance & Accounts Southern Electric Co,Ltd 90- West, Jinnah Avenue Razia Sharif Plaza 6 <sup>th</sup> Floor Blue Area, Islamabad Tel 051-2279230-1 Fax 051-2825465
5.	Mr.Tauqeer Abid Rizvi Manager Finance SABA Power Co (Private) Limited 3 <sup>rd</sup> Floor, G.D. Arcade, 73-E, Fazal-ul-Haq Road, Islamabad Tel 051-2206578 Fax 051-2246585	13.	Mr.Abdul Rashid Manager Finance Japan Power Co Limited, 79-Bridge Colony, Lahore Cantt Tel 042-6668156-7 Fax 042-6663763
6.	Mr. Naseem Akhtar Chief Operating Officer Rouch (Pakistan) Power Ltd, 39-C/ IV,Block-6 PECH Society, Karachi Tel 021-4535454-5 Fax 021-4535084	14.	Mr.Jamel Ibrahim Chief Financial Officer Liberty Power Ltd, 29-Razia Sharif Plaza 4 <sup>th</sup> Floor, Blue Area, Islamabad Tel 051-2276344 Fax 051-2276348
7.	Mr. Moazzam-ur-Rehman Manager Accounts UCH Power Company Ltd, 107- First Floor, Evacuee Trust Complex Sir Agha Khan Road, Islamabad Tel 051-2828001-2 Fax 051-2828010	15.	Saeedullah Khan Paracha Managing Director Habibullah Coastal Power (Pvt) Ltd. 3 <sup>rd</sup> DG Arcade, 73-E, Fazal ul Haaq Road Islamabad Tel 051-2206578 Fax 051-2206584
8.	Mr. Saqib Javed Manager Accounts Kohinoor Energy Ltd.Manga Road Near Tablighi Ijtima, P. O. Rub Mills, Raiwind Tel 0451-392317 Fax 042-6312938	16.	Mr. Habib-R Khan Director Altern Energy Limited, 73-K Model Town Lahore Tel 042-5831781 Fax 042-6303301

List of Data Source Agencies for CEE, 2004-05 (*Captive Units*)

1.	Haji Muhammad Saeed Chief Accountant Ibrahim Fibers Ltd, Ibrahim Centre, 15-Club Road, Faisalabad. Tel 041-111-333-777 Fax 041-617842	8.	Mr. Danish Javed Chief Financial Officer Quetta Textile Mills Ltd, Nadir House (G.F.), I.I.Chundrigarh Road, .Karachi Tel 021-2414334 Fax 021-2419593
2.	Mr. Nouman Qaseem Sulehri Dy.Manager Finance Crescent Bahuman Limited 40-A, Off Zafar Ali Road, Gulberg-V, Lahore Tel 042-111-245-245 Fax 042-111-222-245	9.	Sapphire Energy Ltd 149- Cotton Exchange Building I. I. Chundrigar Road, Karachi Tel 021-2432038 Fax 021-2416705
3.	General Manager Finance Sitara Energy Limited, 4 <sup>th</sup> Floor Sitara Tower, Bilal Chowk, New Civil Lines, Faisalabad. Tel 041-4361245-6 Fax 041-4361247	10.	Mr. Ghulam Mohayuddin Company Secretary Mehmood Power Generation Limited Mehtar Manzil, P. O. Box No. 28 Lohari Gate Multan Tel 061-111-181-181 Fax 061-4549711
4.	General Manager Finance Zeeshan Energy Limited, 16-C People Colony, Faisalabad. Tel 041-4361245-6 Tax 041-4361247	11.	Mr. Javed Abbas Naqvi, Company Secretary Ideal Energy Limited Arshad Group of Industries Jail Road, Faisalabad Tel 041-2634902-5 Fax 041-2619558
5.	Mr. Abdul Sattar Awan Manager Finance ICI Pakistan Power Generation Limited ICI House, 63-Mozang Road, P.o.Box 198, Lahore Tel 042-6369371 Fax 042-6365805	12.	Bhanero Energy Ltd 31-K, Gulberg-II Lahore Tel 042-5770001-3 Fax 042-5770015
6.	Mr. Muhammad Mushtaq Manager Finance Nishat Mills Limited 3 <sup>rd</sup> & 4 <sup>th</sup> Floor, ESU House, 6-D, Main Gulberg, Lahore Tel 042-5715646 Fax 042-5715644	13.	Nimir Industrial Chemicals Ltd 51-N, Industrial Area, Gulberg-II Lahore Tel 042-5718001-9 Fax 042-5718013
7.	Mr. Haroon Rasheed Manager Accounts Crescent Textile Mills Ltd Sargodha Road, Faisalabad Tel 041-111-105-105 Fax 041-111-103-104		



List of Data Source Agencies for CEE, 2004-05 (*Captive Units*)

14.	Ellicot Spinning Mills Ltd Nigina House, 91-B-1, MM Alam Road, Gulberg-III Lahore Tel 042-5756270 Fax 042-5711856	21.	Kohinoor Textile Mills Ltd Peshawar Road Rawalpindi Tel 051-5473940-44 Fax 051-5473080
15.	Kohinoor Power Co Ltd 6-Egereton Road, Lahore Tel 042- 540211-15 Fax 042-541444	22.	Engro Asahi Polymer & Chemicals Ltd First Floor, Beharia Complex 1, 24- MT Khan Road Karachi Tel 021-5610610 Fax 021-5611690
16.	D. S. Power Ltd 20-K, Gulberg-II, Lahore Tel 042-875303 Fax 042-5710312	23.	Olympia Power Generation Ltd E-3, Farzana Building, 1 <sup>st</sup> Floor, Block 7 & 8 Shaheed-e-Millat Road Karachi Tel 021-4536235 Fax 021-4546263
17.	Zaman Paper & Board Mills 103- Fazal Road, St. Jhon Park Lahore Tel 042-6674301-05 Fax 042-6660693	24.	Jubilee Energy Ltd 40-A, Off Zafar Ali Road Gulberg-V, Lahore Tel 042-111-245-245 Fax 042-111-222-245
18.	Kohinoor Weaving Mills Ltd 42- Lawrence Road, Lahore Tel 042-6302261-62 Fax 042-6368721	25.	Nadeem Power Generation (Pvt.) Ltd 601-603, Commerce Centre, Hasrat Mohani Road Karachi Tel 021-2635807 Fax 021-2637896
19.	Ghazi Power Ltd 8-C, E-III, Gulberg-III, Lahore Tel 042-5764026 Fax 042-5764032		
20.	Nishat Mills Ltd, Nishatabad, Faisalabad Tel 041-8754809 Fax 041-8753105		

**List of Non-Response Electricity Establishments (2004-05)**

1. Zaman Energy Company Ltd  
215/A, Ahmad Block, New Garden Town  
Lahore
2. Crescent Powertech Ltd  
7-B-III, Aziz Avenue, Gulberg-V  
Lahore
3. Genertech Pakistan M/s GPL  
31/C-1 Ghalib Road,  
Gulberg-III, Lahore
4. Monnoo Energy Ltd  
Mannoo House, 3-Montgomery Road  
Lahore
5. Gulistan Power Gen. Ltd  
58-Main Gulberg  
Lahore
6. Anoud Power Generation Ltd  
603-604, 6<sup>th</sup> floor, Lakson Building No3  
Sarwar Shaheed Road, Lahore
7. Lucky Energy Ltd  
L-A 2/B, Block NO. 21,  
Federal B Area, Karachi

**List of Non-Functioning/ Closed Establishments**

1. Din Power Limited  
Din Textile Mills Ltd.  
16-M Model Town  
Extension Lahore
2. Century Power Generation Ltd.,  
Lakson Square, Building No.2,  
Sarwar Shaheed Road, Karachi
3. GCL Electricity Company Ltd  
26-Empress Road, PO Box 1285  
Lahore



**Government of Pakistan**  
**Federal Bureau of Statistics**  
 Energy & Mining Statistics Section

**Annexure-II**

Address 17/C, RR Ahmad Plaza, G-8 Markaz, Islamabad  
 Tel: 9261247 Fax: 2250894-9206284 E-mail: [statpak@isb.paknet.com.pk](mailto:statpak@isb.paknet.com.pk) & [techcell@isb.paknet.com.pk](mailto:techcell@isb.paknet.com.pk)  
 Internet: [www.statpak.gov.pk](http://www.statpak.gov.pk)

Information required in this Form is obligatory as per General Statistics Act, 1975. However, it is assured that as per provision of the same Act, the information collected will be kept strictly confidential and used in aggregates for statistical purpose only.

**Census of Electricity Establishments (CEE) (July 2004 to June 2005)**

**Section-I General Particulars of the Establishment**

**1. Name & address of Establishment**


**1.2 Telephone Number**


**1.3 Fax Number**


**1.4 Email**

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**1.5 Website**

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**2. Type of Ownership**

<b>Pakistani</b>				<b>Foreign controlled Enterprise</b>
<b>Public Sector</b>		<b>Private Sector</b>		
i. Local	ii. Foreign Collaboration	iii. Local	iv. Foreign Collaboration	

**3. Type of Organization**

i. Individual Ownership	ii. Partnership	iii. Private Ltd. Company	iv. Public Ltd. Company	v. Corporation	vi. Others (Pl. specify)
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**Section-II Installed Capacity & Generation of Electricity**

S. NO.	Type of Plant	Installed Capacity	Electricity Generated	Electricity Consumed in auxiliaries
		(MW)	(000KWH)	(000KWH)
1.	Thermo-Electric			
2.	Hydro-Electric			
3.	Nuclear Power Electric			
	<b>Total</b>			

**Section-III Employment & Employment Cost**

Cost in "000" Rs

Period	Regular Employees (Officers & staff)					Contract Employees	
	Num- ber	Total Employment Cost				Num- ber	Total payments made
		Wages & Salaries	Other Cash Payments	Non-Cash Benefits	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Jul-Sep							
Oct-Dec							
Jan-Mar							
Apr-Jun							
<b>TOTAL</b>							

**Section-IV Gross Fixed Capital Formation (GFCF)**

Cost in "000" Rs

S.No.	Item	Acquisitions/ Additions	Disposal of Assets	Gross Fixed Capital Formation (GFCF)
(1)	(2)	(3)	(4)	(5)
<b>July-September</b>				
1	Land improvement			
2	Buildings			
	i. Residential			
	ii. Non-Residential			
3	Other construction			
4	Plant & Machinery			
	i. Electrical			
	ii. Non-Electrical			
5	Transport equipment			
6	Furniture & fixtures/ Office equipment			
7	Major Improvements (Pl. specify)			
	<b>Total</b>			
<b>October-December</b>				
1	Land improvement			
2	Buildings			
	i. Residential			
	ii. Non-Residential			
3	Other construction			
4	Plant & Machinery			
	i. Electrical			
	ii. Non-Electrical			
5	Transport equipment			
6	Furniture & fixtures/ Office equipment			
7	Major Improvements (Pl. specify)			
	<b>Total</b>			

S.No.	Item	Acquisitions/ Additions	Disposal of Assets	Gross Fixed Capital Formation (GFCF)
<b>January-March</b>				
1	Land improvement			
2	Buildings			
	i. Residential			
	ii. Non-Residential			
3	Other construction			
4	Plant & Machinery			
	i. Electrical			
	ii. Non-Electrical			
5	Transport equipment			
6	Furniture & fixtures/ Office equipment			
7	Major Improvements (Pl. specify)			
	<b>Total</b>			
<b>April-June</b>				
1	Land improvement			
2	Buildings			
	i. Residential			
	ii. Non-Residential			
3	Other construction			
4	Plant & Machinery			
	i. Electrical			
	ii. Non-Electrical			
5	Transport equipment			
6	Furniture & fixtures/ Office equipment			
7	Major Improvements (Pl. specify)			
	<b>Total</b>			
<b>Annual Total</b>				
1	Land improvement			
2	Buildings			
	i. Residential			
	ii. Non-Residential			
3	Other construction			
4	Plant & Machinery			
	i. Electrical			
	ii. Non-Electrical			
5	Transport equipment			
6	Furniture & fixtures/ Office equipment			
7	Major Improvements (Pl. specify)			
	<b>Total</b>			

**Section-V Electricity Purchases**

Quantity purchased (000 KWH

Cost in "000" Rs

S. No.	Name of Agency from whom purchased	Jul-Sep		Oct-Dec		Jan-Mar		Apr-Jun		Total	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1.											
2.											
3.											
4.											
5.											
6.											
<b>TOTAL</b>											

**Section-VI Electricity Sales**

Quantity Sold (000 KWH

Cost in "000" Rs

S. No.	Agency/ Category to whom sold	No of Consumers	Jul-Sep		Oct-Dec		Jan-Mar		Apr-Jun		Total	
			Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1.	Residential											
2.	Commercial											
3.	Industrial											
4.	Agricultural											
5.	Public Lighting											
6.	Traction											
7.	Free of charge Supply in bulk to Distributing Licensees											
8.	i.											
	ii.											
	iii.											
<b>TOTAL</b>												

**Section-VII Income and Expenses**

Cost in "000" Rs

No.	Item	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Total
1.	Receipts					
	A Energy Charges					
	B Other Income					
	i. Meter rent					
	ii. Late payments surcharge					
	iii. Connection charges					
	iv. *Other receipts (Pl. specify)					
<b>TOTAL</b>						

2	Expenses					
	A	Electricity Purchases				
	B	Fuel cost				
		i. Coal				
		ii. B.F.Gas				
		iii. Furnace Oil				
		iv. H.S.D.				
		v. L.D. Oil				
		vi. Natural Gas				
		vii. Other Fuels				
		viii. Lubricants				
		ix. Other materials and spare parts				
		<b>TOTAL</b>				
3	Other Expenses					
		i. Utility charges				
		ii. Telephone charges				
		iii. Insurance charges				
		iv. Minor Repair & Maintenance				
		v. Bank charges				
		vi. Travelling Expenses				
		vii. Legal & Audit fees				
		viii. Store & Stationery				
		ix. Entertainment charges				
		x. Indirect Taxes				
		xi. Rent of Building/Machinery				
		xii. Subsidies				
		xiii. Education/Training etc.				
		xiv. ** Other Expenses				
		<b>TOTAL</b>				

\* Except interest, dividend, property income

\*\* Other than wages, salaries and depreciation

Signature \_\_\_\_\_

Name \_\_\_\_\_

Designation \_\_\_\_\_

**Annexure-III****Compilers of Census of Electricity Establishments (CEE) Report 2004-05**

Compliments are due to the following personnel of FBS for their invaluable efforts and contribution for preparation of Census of Electricity Establishments (CEE), 2004-05 report.

<u>S. No.</u>	<u>Name</u>	<u>Designation</u>
1.	Mr. Mushtaq Ahmed	Chief Statistical Officer
2.	Mr. Muhammad Rashid Ch.	Statistical Officer
3.	Mr. Nousher Khan	Statistical Assistant
4.	Mr. Shams-ul-Haq	Statistical Assistant

Typing expertise of Mr. Tahir Hussain Qadri, Stenographer helped a lot in producing this report in prescribed format.

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