

ENERGY

TABLE 14.1

## COMMERCIAL ENERGY CONSUMPTION

Year	1. Oil/Petroleum (tonnes)						Total
	Households	Industry	Agriculture(a)	Transport	Power	Other Govt.	
1990-91	944,256	1,147,698	265,229	4,841,362	2,434,136	328,592	9,961,273
1991-92	613,706	1,369,525	281,539	5,619,552	2,775,418	323,228	10,982,968
1992-93	622,075	1,479,935	287,181	6,107,416	3,158,124	357,115	12,011,846
1993-94	589,851	1,653,516	307,795	6,414,582	3,902,308	357,529	13,225,581
1994-95	585,173	1,889,443	268,631	6,646,175	4,215,635	355,110	13,960,167
1995-96	596,031	2,416,278	250,031	7,135,631	4,785,856	417,254	15,601,081
1996-97	509,738	2,141,065	268,866	7,172,269	5,110,233	403,795	15,605,966
1997-98	498,949	2,081,172	244,977	7,364,767	6,053,784	380,756	16,624,405
1998-99	492,768	2,139,889	249,229	7,864,063	5,525,669	376,133	16,647,751
1999-00	477,305	2,115,860	293,034	8,307,977	6,227,595	346,050	17,767,821
2000-01	450,960	1,924,048	254,833	8,157,893	6,487,988	372,176	17,647,898
2001-02	334,501	1,611,995	225,742	8,018,777	6,305,419	463,654	16,960,088
2002-03	282,521	1,604,068	196,747	8,082,273	6,019,958	266,387	16,451,954
2003-04	231,459	1,493,080	183,506	8,464,042	2,739,763	309,263	13,421,113
2004-05	192,750	1,542,398	142,062	9,024,783	3,452,581	316,686	14,671,260
2005-06	128,651	1,681,517	81,896	8,156,831	4,218,982	358,807	14,626,684
2006-07	106,148	1,595,981	97,232	7,981,893	6,740,559	325,318	16,847,131
2007-08	120,961	1,071,191	109,351	9,384,482	7,083,933	310,501	18,080,419
2008-09	97,332	969,193	69,793	8,837,197	7,570,418	367,266	17,911,199
2009-10	90,312	984,690	58,072	8,860,880	8,814,274	323,472	19,131,700
2010-11	85,449	1,355,443	40,597	8,892,268	8,138,956	373,794	18,886,507
2011-12	79,448	1,419,125	23,297	9,265,883	7,594,663	295,847	18,678,263
2012-13	97,847	1,379,096	31,828	9,817,546	7,749,007	317,805	19,393,129
<u>Jul-Mar</u>							
2012-13	64,617	1,026,587	20,289	6,888,457	5,736,164	224,708	13,960,822
2013-14*	60,817	846,702	29,334	6,593,198	5,796,591	222,702	13,549,344

Contd.

(a): HSD consumption in agricultural sector is not available separately and is included under transport sector. Agricultural sector represents LDO only.

\*: Oil/POL product consumption for the month of March 2013 is missing

Source : Oil Companies Advisory Committee.

TABLE 14.1 (Continued)

## COMMERCIAL ENERGY CONSUMPTION

Year	2. Gas (mm cft)(b)						Total
	Households	Commercial	Cement	Fertilizer	Power	Industry (CNG)	
1990-91	66,797	12,317	13,020	107,954	176,409	88,841	465,338
1991-92	70,741	13,057	11,761	101,493	193,893	95,661	486,631
1992-93	75,783	14,326	11,914	119,628	186,853	102,991	511,526
1993-94	82,461	15,239	10,187	144,514	197,694	100,631	550,769
1994-95	97,045	16,064	6,730	141,697	181,107	104,098	546,788
1995-96	110,103	16,960	7,569	150,374	186,507	111,202	582,868
1996-97	115,488	18,403	8,718	150,483	193,984	110,365	597,799
1997-98	134,500	18,764	12,092	147,752	179,042	115,250	607,890
1998-99	131,656	21,466	7,988	167,474	183,694	121,431	635,891
1999-00	139,973	21,712	8,558	177,152	227,364	134,916	712,101
2000-01	140,899	20,618	6,977	175,393	281,255	138,503	768,068
2001-02	144,186	22,130	7,063	177,589	314,851	151,416	824,604
2002-03	153,508	22,776	3,445	180,611	335,636	164,968	872,264
2003-04	155,174	24,192	7,711	185,350	469,738	193,395	1,051,418
2004-05	172,103	27,191	13,383	190,409	507,398	226,116	1,161,043
2005-06	171,109	29,269	15,335	198,175	491,766	278,846	1,223,385
2006-07	185,533	31,375	14,686	193,682	433,672	306,600	1,221,994
2007-08	204,035	33,905	12,736	200,063	429,892	322,563	1,275,212
2008-09	214,113	35,536	7,305	201,100	404,140	319,003	1,269,433
2009-10	219,382	36,955	1,944	220,124	366,906	333,508	1,277,821
2010-11	232,244	36,466	1,378	228,460	337,401	291,667	1,240,671
2011-12	261,915	39,627	1,266	211,828	358,381	296,181	1,288,198
2012-13	291,917	40,689	586	188,020	362,262	284,278	1,267,980
<u>Jul-Mar</u>							
2012-13 P	213,400	29,975	550	139,700	253,825	208,450	921,525
2013-14 P	216,975	28,600	275	165,550	233,475	196,900	906,400

...: Not available

P: Provisional

(Contd.)

TABLE 14.1 (Concluded)

## COMMERCIAL ENERGY CONSUMPTION

Year	3. Electricity (Gwh)								4. Coal (000 metric tonne)				
	Trac- tion	House- hold	Commer- cial	Indus- trial	Agricul- tural	Street Light	Other Govt.	Total	House- hold	Power	Brick Kilns	Cement	Total
1990-91	33	10,409	2,072	11,229	5,620	..	2,171	31,534	3.8	24.6	3,025.5	..	3,053.9
1991-92	29	11,458	2,143	12,289	5,847	..	2,112	33,878	6.8	39.5	3,052.4	..	3,098.7
1992-93	27	13,170	2,333	13,043	5,635	297	1,987	36,492	3.2	46.7	3,216.6	..	3,266.6
1993-94	27	14,080	1,786	12,637	5,772	298	2,781	37,381	3.3	43.6	3,487.0	..	3,533.9
1994-95	22	15,579	1,941	12,528	6,251	324	2,976	39,621	3.2	40.7	2,998.9	..	3,042.8
1995-96	20	17,125	2,190	12,183	6,696	378	3,332	41,924	3.1	398.9	3,235.8	..	3,637.8
1996-97	18	17,757	2,241	11,982	7,086	390	3,440	42,914	9.7	351.9	3,191.3	..	3,552.9
1997-98	16	18,750	2,334	12,297	6,937	387	3,851	44,572	2.3	346.5	2,809.9	..	3,158.7
1998-99	15	19,394	2,409	12,061	5,620	224	3,573	43,296	1.3	415.3	3,044.8	..	3,461.4
1999-00	15	21,455	2,544	13,202	4,540	239	3,591	45,586	1.0	348.1	2,818.8	..	3,167.9
2000-01	13	22,765	2,774	14,349	4,924	213	3,547	48,585	1.0	205.8	2,837.9	1,000.0	4,044.7
2001-02	11	23,210	2,951	15,141	5,607	212	3,490	50,622	1.1	249.4	2,577.5	1,580.6	4,408.6
2002-03	10	23,624	3,218	16,181	6,016	244	3,363	52,656	1.1	203.6	2,607.0	2,078.2	4,889.9
2003-04	9	25,846	3,689	17,366	6,669	262	3,650	57,491	1.0	184.9	2,589.4	3,289.2	6,064.5
2004-05	12	27,601	4,080	18,591	6,988	305	3,750	61,327	..	179.9	3,906.7	3,807.2	7,893.8
2005-06	13	30,720	4,730	19,803	7,949	353	4,035	67,603	..	149.3	4,221.8	3,342.8	7,714.0
2006-07	12	33,335	5,363	21,066	8,176	387	4,373	72,712	1.0	164.4	3,277.5	4,451.2	7,894.1
2007-08	8	33,704	5,572	20,729	8,472	415	4,500	73,400	1.0	162.0	3,760.7	6,186.9	10,110.6
2008-09	5	32,282	5,252	19,330	8,795	430	4,277	70,371	0.8	112.5	3,274.8	5,001.8	8,389.9
2009-10	2	34,272	5,605	19,823	9,689	458	4,499	74,348	..	125.5	3,005.2	5,007.8	8,138.5
2010-11	1	35,885	5,782	21,207	8,971	456	4,797	77,099	..	96.5	3,003.6	4,617.1	7,717.1
2011-12	1	35,589	5,754	21,801	8,548	478	4,590	76,761	..	104.6	3,108.2	4,456.9	7,669.7
2012-13	..	36,116	6,007	22,313	7,697	457	4,199	76,789	..	63.0	2,696.0	4,129.9	6,889.0
Jul-Mar													
2012-13 E	0	27,127	4,500	16,573	5,891	360	3,303	57,754	..	49.4	2,116.3	2,300.0	4,465.7
2013-14 E	..	29,251	4,672	18,097	6,210	350	3,435	62,015	..	80.0	2,357.0	1,400.0	3,837.0

..: Not available

E : Estimated

Source: Ministry of Petroleum & Natural Resources,  
Hydrocarbon Development Institute of Pakistan (HDIP)

TABLE 14.2

## COMMERCIAL ENERGY SUPPLIES

Year	Oil		Gas (mcf)*	Petroleum Products		Coal		Electricity	
	Crude Oil Imports (000 barrels)	Local Crude Extraction (000 barrels)		Imports (000 tonnes)	Production (000 tonnes)	Imports (000 tonnes)	Production (000 tonnes)	Installed Capacity (MW)	Generation (Gwh)
1990-91	28,178	23,487	518,483	4,310	6,036	971	3,054	8,356	41,042
1991-92	30,016	22,469	550,715	5,275	5,961	1,069	3,099	9,369	45,440
1992-93	29,407	21,895	583,545	6,612	5,694	994	3,266	10,586	48,750
1993-94	30,770	20,675	624,229	7,910	5,841	1,094	3,534	11,319	50,640
1994-95	28,386	19,858	628,211	8,737	5,434	1,096	3,043	12,100	53,545
1995-96	31,044	21,063	666,580	10,137	5,874	1,080	3,638	12,969	56,946
1996-97	28,588	21,270	697,763	10,398	5,495	840	3,553	14,818	59,125
1997-98	29,826	20,543	699,709	11,064	5,858	960	3,159	15,658	62,104
1998-99	32,855	19,986	744,942	10,926	5,925	910	3,461	15,662	65,402
1999-00	32,938	20,395	818,342	11,878	6,115	957	3,168	17,399	65,751
2000-01	52,505	21,084	857,433	10,029	8,337	950	3,095	17,498	68,117
2001-02	51,982	23,195	923,758	9,023	9,028	1,081	3,328	17,799	72,405
2002-03	52,512	23,458	992,589	8,437	9,084	1,578	3,312	17,798	75,682
2003-04	57,699	22,625	1,202,750	5,170	9,740	2,789	3,275	19,257	80,900
2004-05	61,161	24,119	1,344,953	5,676	10,474	3,307	4,587	19,384	85,738
2005-06	63,546	23,936	1,400,026	6,009	10,498	2,843	4,871	19,450	93,774
2006-07	60,694	24,615	1,413,581	8,330	10,314	4,251	3,643	19,420	98,384
2007-08	64,912	25,603	1,454,194	9,025	10,754	5,987	4,124	19,420	95,860
2008-09	62,115	24,033	1,460,679	9,974	9,828	4,652	3,738	19,786	91,843
2009-10	53,081	23,706	1,482,847	11,178	8,996	4,658	3,481	20,922	95,608
2010-11	51,306	24,041	1,471,591	12,371	8,911	4,267	3,450	22,477	94,653
2011-12	47,104	24,573	1,558,959	11,507	8,395	4,057	3,613	22,797	95,365
2012-13	57,037	27,841	1,505,841	10,489	9,914	3,710	3,179	22,812	96,497
Jul-Mar									
2012-13	40,515	20,503	1,139,253	7,557	7,601	2695	1770 **	22,851	66,962
2013-14	44,910	22,951	1,124,822	8,332	..	1712	2125	23,048 ***	73,435 ***

..: Not available

MW: Mega Watt

\*: Million cubic feet

\*\*: Production of coal for March 2013 is missing

\*\*\*: A new 84MW New Bong Escape Hydel Power Project, commissioned on 23rd March 2013 has been included in hydel electricity data

Source: Ministry of Petroleum Natural Resources,  
Hydrocarbon Development Institute of Pakistan (HDIP)

TABLE 14.3

## COMMERCIAL ENERGY SUPPLIES

Year	Electricity						Imported (Gwh)		
	Hydroelectric (Hydel)		Thermal		Nuclear				
	Installed Capacity (MW)	Generation (Gwh)	Installed Capacity (MW)	Generation (Gwh)	Installed Capacity (MW)	Generation (Gwh)			
1990-91	2,898	18,303	5,321	22,354	137	385	..		
1991-92	3,330	18,647	5,902	26,375	137	418	..		
1992-93	4,626	21,112	5,823	27,057	137	582	..		
1993-94	4,726	19,436	6,456	30,707	137	497	..		
1994-95	4,826	22,858	7,137	30,176	137	511	..		
1995-96	4,826	23,206	8,006	33,257	137	483	..		
1996-97	4,826	20,858	9,855	37,921	137	346	..		
1997-98	4,826	22,060	10,696	39,669	137	375	..		
1998-99	4,826	22,449	10,700	42,669	137	284	..		
1999-00	4,826	19,288	12,436	46,064	137	399	..		
2000-01	4,867	17,194	12,169	48,926	462	1,997	..		
2001-02	5,051	18,941	12,286	51,174	462	2,291	..		
2002-03	5,051	22,351	12,285	51,591	462	1,740	0.36		
2003-04	6,496	26,944	12,299	52,122	462	1,760	73		
2004-05	6,499	25,671	12,423	57,162	462	2,795	109		
2005-06	6,499	30,862	12,489	60,283	462	2,484	146		
2006-07	6,479	31,953	12,478	63,972	462	2,288	171		
2007-08	6,480	28,707	12,478	63,877	462	3,077	199		
2008-09	6,481	27,784	12,843	62,214	462	1,618	227		
2009-10	6,481	28,093	13,978	64,371	462	2,894	249		
2010-11	6,481	31,811	15,209	59,153	787	3,420	269		
2011-12	6,556	28,517	15,454	61,308	787	5,265	274		
2012-13	6,773	29,857	15,289	61,711	750	4,553	375		
Jul-Mar									
2012-13	6,650	20,536	*	15414	43125	787	3,301	..	
2013-14	6,858	**	23,953	**	15440	44847	750	4,331	304

MW: Mega Watt

GWh: Giga Watt hour

..: Not Available

\*: Hydel Generation for February 2013 is missing

\*\*: A new 84MW New Bong Escape Hydel Power Project, commissioned on 23rd March 2013 has been included in hydel electricity data

Source: Ministry of Petroleum and Natural Resources,  
Hydrocarbon Development Institute of Pakistan (HDIP)

**TABLE 14.4**  
**SCHEDULE OF ELECTRICITY TARIFFS (FOR DISCOs)**

Tariff Category/Particulars	15th March, 2011	
	Fixed Charges (Rs/KW)	Variable Charges (Rs/KW)
<b>A-1 GENERAL SUPPLY TARIFF - RESIDENTIAL</b>		
For sanctioned Load upto 5 KW		
i. Upto 50 Units	-	1.87
For Consumption Exceeding 50 Units		
ii. 1 - 100 Units	-	4.45
iii. 101 - 300 Units	-	6.73
iv. 301 - 700 Units	-	10.65
v. Above 700 Units	-	13.29
A-1(b) For Load > 5 KW & above TOU - Peak	-	12.25
A-1(b) For Load > 5 KW & above TOU - Off Peak	-	6.70
Minimum Monthly Charges for S/Phase Rs. 75 & 3/Phase Rs. 150/- per connection per month		
<b>A-2 GENERAL SUPPLY TARIFF - COMMERCIAL</b>		
A-2 (a) For Sanctioned Load upto 5 KW		13.00
A-2 (b) For Sanctioned Load 5 KW & above	360	8.14
A-2 (c) for load 5 KW & above TOU - Peak	360	11.49
A-2 (c) for load 5 KW & above TOU - Off Peak	360	6.50
Minimum Monthly Charges for : S/P Rs. 175 & 3/P Rs. 350/- per connection per month		
<b>B - INDUSTRIAL SUPPLY TARIFFS</b>		
B-1 upto 25 KW (400/230 Volts)		8.90
B-1 (b) upto 25 KW TOU Peak		12.25
B-1 (b) KW TOU Off Peak		6.70
B-2 (a) exceeding 25-500 KW (at 400 Volts)	360	7.59
B-2 (b) exceeding 25-500 KW (At 400 Volts) TOU Peak	360	11.08
B-2 (b) exceeding 25-500 KW (at 400 Volts) TOU Off Peak	360	6.50
B-3 All Loads upto 5000 KW 11/33 KV - Peak	349	10.99
B-3 All Loads up to 5000 KW 11/33 KV - Off Peak	349	6.25
B-4 All Loads (at 66,132 & above KV) TOU Peak	336	10.69
B-4 All Loads (at 66,132 & above KV) TOU Off Peak	336	5.97
Fixed Min. Charges/month for B-1 Rs. 350/, B-2 Rs. 2000/, B-3 Rs. 50,000/ & B-4 Rs. 500,000/-		
<b>C - SINGLE POINT FOR PURCHASE IN BULK BY A DISTRIBUTION LICENSEE</b>		
For supply at 400/230 Volts		
C-1 (a) for load less than 5 KW	-	9.90
C-1 (b) for sanctioned load 5 & upto 500 KW	360	8.75
C-1 (c) for sanctioned load 5 & upto 500 KW TOU Peak	360	11.31
C-1 (c) for sanctioned load 5 & upto 500 KW TOU Off Peak	360	6.50
C-2 (a) for supply at 11/33 KV, load upto & incl. 5000 KW	349	8.65
C-2 (b) for supply at 11/33 KV, load upto & incl. 5000 KW Peak	349	10.91
C-2 (b) for supply at 11/33 KV, load upto & incl. 5000 KW Off Peak	349	6.25
C-3 (a) for supply at 66 KV & above and S/load > 5000 KW	336	8.51
C-3 (b) at 66 KV & above and S/loads > 5000 KW Peak	336	10.51
C-3 (b) at 66 KV & above S/load above 5000 KW Off Peak	336	5.87
<b>D - AGRICULTURE SUPPLY TARIFFS</b>		
D-1 (a) - Scarp less than 5 KW		8.47
D-2 Agri Tube Wells	103	5.31
D-1 (b) TOU SCARP & Agri > 5 KW Peak	200	10.11
D-1 (b) TOU SCARP & Agri > 5 KW Off Peak	200	4.55
<b>E - TEMPORARY SUPPLY TARIFFS</b>		
E-1 (i) Residential Supply	-	11.20
E-1 (ii) Commercial Supply	-	11.77
E-2 Industrial Supply	-	8.39
Minimum Monthly Charges for E1 (i&ii) Rs. 50/day subject to a minimum of Rs. 500/-		
<b>OTHER TARRIFS</b>		
<b>F - SEASONAL SUPPLY TARIFF</b>	125% of the relavent industrial supply	
<b>G - PUBLIC LIGHTING</b>	-	12.00
Minimum Monthly Charges Rs. 500/- per KW per month of lamp capacity installed.		
<b>H - RESIDENTIAL COLONIES</b>	-	11.22
<b>I - Railway Traction</b>	-	9.96
<b>K - SPECIAL CONTRACTS TARIFFS</b>		
K-1 AJ&K	336	4.21
K-1 AJ&K TOU - Peak	336	11.59
K-1 AJ&K TOU - Off peak	336	6.41
K-2 Rawal Lab.	..	8.75

Note : In addition to the above rates and existing billion components, a Surcharge @ 2% shall also be levied on the consumption of Electricity by every category of electricity consumer except consumption upto 300 units Residential A-1

Source: WAPDA

- : Not available

TABLE 14.4

## SCHEDULE OF ELECTRICITY TARIFFS

Tariff Category/Particulars	Fixed Charges Rs./kw/M	Variable Charges - Effective 16-05-2012										Tariff Notified	
		LESCO	GEPCO	FESCO	IESCO	MEPCO	HESCO	SEPCO	QESCO	PESCO	Fixed Charge Rs./ kW/M	Variable Charge Rs./kW/H	
<b>Residential A-1</b>													
<b>a) For Sanctioned load less than 5 kW</b>													
Upto 50 Units per month	-	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	-	2.00	
Consumption Exceeding 50 Units													
1-100 Units	-	9.27	9.50	9.60	8.70	10.00	10.00	11.13	10.00	11.15	-	5.79	
101-300 Units	-	10.50	13.55	13.00	10.20	14.50	15.00	15.00	13.20	15.50	-	8.11	
301-700 Units	-	13.50	15.50	15.50	14.00	16.40	17.00	17.00	14.30	17.50	-	12.33	
Above 700 Units	-	15.50	16.50	16.50	16.50	18.00	19.00	19.00	16.50	19.50	-	15.07	
<b>b) For Sanctioned load 5kW &amp; above</b>													
Time of Use (TOU) - Peak	-	15.00	15.00	15.00	15.50	17.00	19.00	19.00	16.00	19.50	-	13.99	
Time of Use (TOU) - Off- Peak	-	9.50	9.50	9.50	9.10	10.00	11.00	11.50	9.00	11.50	-	8.22	
<b>Commercial- A2</b>													
(a) For Sanctioned load less than 5 kW	-	15.00	17.50	17.00	16.50	18.50	16.00	16.00	17.00	19.50	-	14.77	
(b) For Sanctioned load exceeding 5 kW													
Regular	400.00	14.50	14.50	14.50	11.00	16.00	15.00	15.00	15.00	17.00	400.00	9.72	
Time of Use (TOU) - Peak	400.00	15.00	15.00	15.00	15.00	17.00	19.00	19.00	16.50	19.50	400.00	13.20	
Time of Use (TOU) - (Peak)	400.00	9.50	9.50	9.50	9.30	10.00	11.00	11.50	8.00	11.50	400.00	8.00	
<b>INDUSTRIAL</b>													
B-1 (a) upto 25 KW (at 400/230 volts)	-	11.50	12.00	12.00	11.70	13.00	14.00	14.00	11.50	15.50	-	10.51	
B-1 (b) upto 25 KW - TOU (Peak)	-	15.00	15.00	15.00	15.50	17.00	19.00	19.00	16.00	19.50	-	13.99	
B-1 (b) upto 25 KW - TOU /Off-Peak)	-	9.50	9.50	9.50	9.10	10.00	11.00	11.50	9.00	11.50	-	8.22	
B-2 (a) exceeding 25-500 KW (at 400 Volts)	400.00	10.00	10.50	11.00	10.30	11.50	13.00	13.00	10.50	14.50	400.00	9.14	
B-2 (b) exceeding 25-500 KW - TOU (Peak)	400.00	15.00	15.00	15.00	14.30	16.00	19.00	19.00	16.60	19.50	400.00	12.77	
B-2 (b) exceeding 25-500 KW - TOU (Off-Peak)	400.00	9.30	9.30	9.30	9.00	9.70	10.50	11.00	8.60	11.40	400.00	8.01	
B-3 - For all Loads up to 5000 KW (at 11/33kv TOU (Peak)	380.00	14.70	14.70	14.70	14.10	15.70	19.00	19.00	16.50	19.50	380.00	12.68	
B-3 - For all Loads up to 5000 KW (at 11/33kv TOU (Off-Peak)	380.00	9.20	9.20	9.20	8.90	9.60	10.25	10.50	8.40	11.30	380.00	7.75	
B-4 For all loads (at 66.132 KV & above) - TOU (Peak)	360.00	14.50	14.50	14.50	13.90	15.50	19.00	19.00	16.40	19.50	360.00	12.37	
B-4 For all loads (at 66.132 KV & above) - TOU (Off-Peak)	360.00	9.10	9.10	9.10	8.80	9.50	10.00	10.25	8.20	11.20	360.00	7.46	
<b>Single Point Supply for further distribution</b>													
C1 (a) For Supply at 400/230 Volts - Sanctioned Load Less Than 5 KW		12.00	13.00	13.00	12.50	14.00	14.50	14.50	11.50	16.50	-	11.50	
C1 (b) For Supply at 400/230 Volts - Sanctioned Load 5 KW & up to 500 KW	400.00	11.00	11.50	11.50	11.50	12.50	13.50	13.50	10.50	15.50	400.00	10.35	
C1 (c) For Supply at 400/230 Volts - Sanctioned Load 5 KW & up to 500 KW TOU (Peak)	400.00	15.00	15.00	15.00	14.30	16.00	19.00	19.00	16.60	19.50	400.00	13.01	
C1 (c) For Supply at 400/230 Volts - Sanctioned Load 5 KW & up to 500 KW TOU (Off-Peak)	400.00	9.30	9.30	9.30	9.00	9.70	10.50	11.00	8.60	11.40	400.00	8.01	
C2 (a) For Supply at 11,33 kV load upto and including 5000 kW	380.00	11.00	11.40	11.40	11.30	12.40	13.25	13.25	10.40	15.25	380.00	10.25	
C2 (b) For Supply at 11,33 kV upto and including 5000 kW-TOU (Peak)	380.00	14.70	14.70	14.70	14.10	15.70	19.00	19.00	16.50	19.50	380.00	12.60	
C2 (b) For Supply at 11,33 kV upto and including 5000 kW-TOU (Off-Peak)	380.00	9.20	9.20	9.2	8.90	9.60	10.25	10.50	8.40	11.30	380.00	7.75	
C3 (a) For Supply at 66 kV & above and sanctioned load above 5000 kW	360.00	11.00	11.30	11.30	11.10	12.30	13.00	13.00	10.30	15.00	360.00	10.10	
C3 (b) For Supply at 66 kV & above and sanctioned load above 5000 kW-TOU (Peak)	360.00	14.50	14.50	14.50	13.90	15.50	19.00	19.00	16.40	19.50	360.00	12.18	
C3 (b) For Supply at 66 kV & above and sanctioned load above 5000 kW-TOU (Off-Peak)	360.00	9.10	9.10	9.10	8.80	9.50	10.00	10.25	8.20	11.20	360.00	7.35	
<b>D - AGRICULTURAL TUBE-WELLS - TARIFF</b>													
D-1(a) SCARP less than 5 kW	-	10.00	11.00	11.00	11.20	12.00	14.00	14.00	13.00	14.30	-	10.00	
D-2 Agricultural Tube-Wells (Punjab & Sindh)	200.00	8.00	9.50	9.50	8.00	10.00	10.10	10.50	-	-	120.00	6.77	
D-2 Agricultural Tube-Wells (KPK & Baluchistan)	200.00								11.50	13.30	120.00	6.77	
D 1(b) SCRAP & Agriculture 5 KW & above -TOU (Peak)	200.00	14.50	14.50	14.50	13.00	15.50	19.00	19.00	16.50	19.50	200.00	13.00	
D 1(b) SCRAP & Agriculture 5 KW & above -TOU (Off-Peak)	200.00	9.10	9.10	9.10	8.00	9.50	8.00	8.00	8.00	11.00	200.00	8.00	
<b>Public Lightening - Tarrrif - G</b>	-	14.50	15.00	15.00	15.00	15.50	16.50	16.50	14.00	16.40	-	13.73	
<b>Housing Colonies attached to Industrial premises -H</b>	-	13.50	14.25	14.00	14.00	15.00	16.50	16.50	14.00	16.40	-	12.92	
<b>Railway Traction - Tarrrif - I</b>	-	12.50	-	-	-	11.00	-	-	-	-	-	11.00	
<b>AJK Tarrrif - K</b>	360.00	-	13.00	-	9.60	-	-	-	-	13.50	360.00	5.63	
Time of Use - (TOU) Peak	360.00	-	14.50	-	15.00	-	-	-	-	19.50	360.00	13.30	
Time of Use - (TOU) Off Peak	360.00	-	9.10	-	9.00	-	-	-	-	11.00	360.00	7.92	
<b>Rawat Laboratory</b>	-	-	-	-	11.50	-	-	-	-	-	-	11.50	

Source: WAPDA

TABLE 14.4

## SCHEDULE OF ELECTRICITY TARIFFS

Tariff Category/Particulars	Fixed Charges Rs./kw/M	Variable Charges - w.e.f 11-10-2013									GOP Applicable Rate
		IESCO	GEPCO	LESCO	FESCO	MEPCO	PESCO	HESCO	SEPCO	QESCO	
<b><u>Residential</u></b>											
Upto 50 Units	-	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.00
Load up to 5kW											
01-100 Units	-	11.00	12.10	11.09	12.57	13.50	15.00	15.00	15.00	11.00	15.79
101-200											5.21
201-300											5.89
101-300 Units	-	15.00	15.00	14.00	15.50	15.65	16.50	17.24	16.00	14.00	9.70
301-700 Units	-	17.00	17.00	17.00	17.50	17.65	18.50	18.50	17.00	16.00	16.00
Above 700 Units	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
Load Exceeding 5kW											
Time of Use TOU - Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	2.00	18.00	18.00
Time of Use TOU - Off- Peak	-	12.50	12.50	12.50	12.90	14.00	15.50	15.50	15.50	12.50	12.50
<b><u>Commercial - A2</u></b>											
Load less than 5 kW	-	18.00	18.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
Load exceeding 5 kW											
Regular	400.00	16.00	16.00	16.00	16.00	16.00	19.00	19.00	19.00	16.00	16.00
Time of Use (TOU) - Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
Time of Use (TOU) - Off-Peak	400.00	12.50	12.50	12.50	12.90	14.00	15.50	15.50	15.50	12.50	12.50
<b><u>INDUSTRIAL</u></b>											
B-1	-	14.50	15.50	14.50	15.50	15.50	17.00	17.00	17.00	14.50	14.50
B-1 Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
B-1 Off-Peak	-	12.50	12.50	12.50	12.90	14.00	15.50	15.50	15.50	12.50	12.50
B-2	400.00	14.00	15.00	14.00	15.00	15.00	16.50	16.50	16.50	14.00	14.00
B-2 TOU Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
B-2 TOU Off-Peak	400.00	12.30	12.30	12.30	12.70	13.80	15.30	15.30	15.30	12.30	12.30
B-3 TOU Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
B-3 TOU Off-Peak	380.00	12.20	12.20	12.20	12.60	13.70	15.20	15.20	15.20	12.20	12.20
B-4 TOU Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
B-4 TOU Off-Peak	360.00	12.10	12.10	12.10	12.50	13.60	15.10	15.10	15.10	12.10	12.10
<b><u>Bulk Supply</u></b>											
C1 (a) Supply at 400 Volts upto 5 KW	-	15.00	15.00	15.00	15.00	15.00	17.50	17.50	17.50	15.00	15.00
C1 (b) Supply at 400 Volts exceeding 5 KW	400.00	14.50	14.50	14.50	14.50	14.50	16.50	16.50	16.50	14.50	14.50
Time of Use - Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
Time of Use - Off-Peak	400.00	12.50	12.50	12.50	12.90	14.00	15.50	15.50	15.50	12.50	12.50
C2 Supply at 11 kV	380.00	14.30	14.40	14.30	14.40	14.40	16.30	16.30	16.30	14.30	14.30
Time of Use - Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
Time of Use - Off-Peak	380.00	12.30	12.30	12.30	12.80	13.90	15.40	15.40	15.40	12.30	12.30
C3 (a) Supply above 11 kV	360.00	14.20	14.30	14.20	14.30	14.30	16.20	16.20	16.20	14.20	14.20
TOU (Peak)	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	18.00	18.00
TOU (Off-Peak)	360.00	12.20	12.20	12.20	12.70	13.80	15.30	15.30	15.30	12.20	12.20
<b><u>AGRICULTURAL</u></b>											
Scrap	-	14.50	15.50	14.50	15.50	15.50	17.00	17.00	17.00	13.01	13.01
Agricultural Tube-Wells	200.00	14.00	15.00	14.00	15.00	15.00	16.50	16.50	16.50	11.51	10.35
Time of Use - Peak	-	18.00	19.00	18.00	19.50	19.50	20.50	20.50	20.00	17.00	17.00
Time of Use - Off-Peak	200.00	12.20	12.20	12.20	12.70	13.80	15.30	15.30	15.30	10.00	10.35
<b><u>Public Lightening</u></b>	-	15.00	15.00	15.00	16.00	16.00	15.85	17.00	15.90	15.00	15.00
<b><u>Resid. Colon. Att to ind</u></b>	-	15.00	15.00	15.00	16.00	16.00	15.00	17.00	15.90	15.00	15.00
<b><u>Railway Traction</u></b>	-	-	-	15.00	-	16.00	-	-	-	-	15.00
<b><u>Special Contracts - AJK</u></b>	360.00	12.22	13.33	-	-	-	16.16	-	-	-	12.22
Time of Use - (TOU) Peak	-	18.00	19.00	-	-	-	20.50	-	-	-	18.00
Time of Use - (TOU) Off Peak	360.00	12.20	12.20	-	-	-	15.30	-	-	-	12.20
<b><u>Special Contracts - Rawat Lab.</u></b>	-	15.00	-	-	-	-	-	-	-	-	15.00

Source: WAPDA



TABLE 14.5

## OIL SALE PRICES

	Rs/Ltrs						
Date	01-07-2011	01-08-2011	26-08-2011	01-10-2011	01-11-2011	01-12-2011	01-01-2012
<b>EX-NRL/PRL KARACHI</b>							
Motor Gasoline	83.71	84.80	84.80	88.95	87.41	87.89	89.54
HOBC (Automotive 100 Octane)	102.46	107.80	109.93	112.65	106.72	106.72	111.91
Super (90 Octane) Blend of Motor Gasoline @ 60% and HOBC 40%)							
Kerosene	84.65	86.62	86.62	86.62	85.76	89.24	89.24
HSD	92.11	92.11	92.64	94.15	94.15	98.82	98.82
LDO	81.39	83.52	83.52	83.52	81.99	86.78	86.78
Aviation gasoline (100LL)							
JP-1:							
i) For sale to PIA Domestic Flight	81.54	83.04	78.04	79.12	77.04	81.88	81.81
ii) For sale to PIA foreign flights & foreign airline							
iii) For Cargo & Technical Landing Flights							
JP-4	-	-	-	-	-	-	-
JP-8	79.45	80.86	78.66	78.83	77.93	81.61	80.48

Source: Hydrocarbon Development Institute of Pakistan (HDIP)

TABLE 14.5

## OIL SALE PRICES

	Rs/Ltrs						
Date	01-02-2012	01-03-2012	01-04-2012	04-04-2012	01-05-2012	01-06-2012	16-06-2012
<b>EX-NRL/PRL KARACHI</b>							
Motor Gasoline	94.91	97.66	105.68	103.36	103.36	99.97	89.51
HOBC (Automotive 100 Octane)	118.20	126.87	135.81	135.81	135.81	125.07	113.32
Super (90 Octane) Blend of Motor Gasoline @ 60% and HOBC 40%)							
Kerosene	92.02	96.40	101.69	99.95	99.95	94.05	88.79
HSD	103.46	103.46	108.16	107.00	107.00	105.77	99.69
LDO	90.21	93.29	98.74	98.74	97.43	91.59	86.57
Aviation gasoline (100LL)							
JP-1:							
i) For sale to PIA Domestic Flight	83.43	87.90	90.79	90.79	90.79	87.13	78.43
ii) For sale to PIA foreign flights & foreign airline							
iii) For Cargo & Technical Landing Flights							
JP-4	-	-	-	-	-	-	-
JP-8	83.13	86.76	90.49	90.49	90.49	83.36	78.11

- : Not available

Source: Hydrocarbon Development Institute of Pakistan (HDIP)

TABLE 14.5

## OIL SALE PRICES

	Rs/Ltrs					
Date	01-07-2012	16-07-2012	01-08-2012	16-08-2012	23-08-2012	01-09-2012
<b>EX-NRL/PRL KARACHI</b>						
Motor Gasoline	84.49	85.90	93.57	93.57	96.78	104.55
HOBC (Automotive 100 Octane)	106.88	112.52	120.16	120.16	125.01	133.19
Super (90 Octane) Blend of Motor Gasoline @ 60% and HOBC 40%)						
Kerosene	86.25	88.19	92.83	92.83	96.35	102.21
HSD	97.21	97.21	101.79	101.79	106.19	112.13
LDO	83.71	85.33	90.11	90.11	93.30	98.84
Aviation gasoline (100LL)						
JP-1:						
i) For sale to PIA Domestic Flight	75.95	77.92	82.36	85.84	85.84	82.63
ii) For sale to PIA foreign flights & foreign airline						
iii) For Cargo & Technical Landing Flights						
JP-4	-	-	-	-	-	-
JP-8	75.63	77.60	82.05	85.53	85.53	91.55

Source: Hydrocarbon Development Institute of Pakistan (HDIP)

TABLE 14.5

## OIL SALE PRICES

	Rs/Ltrs					
Date	10-09-2012	17-09-2012	24-09-2012	01-10-2012	08-10-2012	15-10-2012
<b>EX-NRL/PRL KARACHI</b>						
Motor Gasoline	99.90	106.72	108.45	102.45	105.49	103.46
HOBC (Automotive 100 Octane)	136.46	137.96	131.90			
Super (90 Octane) Blend of Motor Gasoline @ 60% and HOBC 40%)						
Kerosene	104.06	104.68	101.63	101.23	101.95	103.87
HSD	115.52	113.77	113.30	113.16	110.46	113.62
LDO	99.41	99.27	97.17	96.22	96.70	97.93
Aviation gasoline (100LL)						
JP-1:						
i) For sale to PIA Domestic Flight	93.67	94.25	91.21	90.42	91.14	93.08
ii) For sale to PIA foreign flights & foreign airline						
iii) For Cargo & Technical Landing Flights						
JP-4	-	-	-	-	-	-
JP-8	93.36	93.94	90.90	90.11	90.83	92.77

- : Not available

Source: Hydrocarbon Development Institute of Pakistan (HDIP)

## OIL SALE PRICES

**TABLE 14.5**

## OIL SALE PRICES

[illegible]

TABLE 14.6

## GAS SALE PRICES

Unit: Rupees/MMbtu.

Category	01-07-2012	01-01-2013	23-08-2013	01-01-2014
<b>I. DOMESTIC (Slab)</b>				
i) Upto 100 cu. Meter/months at flat rate	100.00	106.14	106.14	106.14
ii) Upto 300 cu. Meter/months at flat rate	200.00	212.28	212.28	212.28
iii) Over 300 cu. Meter/months at flat rate	500.00	530.69	530.69	530.69
<b>II. BULK CONSUMER</b>	500.00	530.69	530.69	530.69
<b>III. COMMERCIAL</b>	600.00	636.83	636.83	636.86
<b>IV. SPECIAL COMMERCIAL</b>				
<b>ROTI TANDOORI*</b>				
i) Upto 100 cu. Meter/months at flat rate	100.00	106.14	106.14	106.14
ii) Upto 300 cu. Meter/months at flat rate	200.00	212.28	212.28	212.28
iii) Over 300 cu. Meter/months at flat rate	500.00	636.83	636.83	636.83
<b>V. INDUSTRIAL</b>	460.00	488.23	488.23	488.23
<b>VI. CAPTIVE POWER</b>	460.00	488.23	573.28	573.28
<b>VII COMPRESSED NATURAL GAS</b>	618.00	656.52	656.52	656.52
<b>VIII. CEMENT</b>	700.00	742.97	742.97	742.97
<b>IX. FERTILIZER COMPANIES</b>				
(a) For Feed Stock				
i) Agritech Fertilizer Ltd.-SNGPL	116.27	123.41	123.41	123.41
ii) Dawood Hecules Ltd.-SNGPL	116.27	123.41	123.41	123.41
iii) Pak Arab Fertilizer Ltd.-SNGPL	116.27	123.41	123.41	123.41
iv) ENGRO Fertilizer Ltd.-SNGPL	60.67	67.38	69.10 **	73.17
v) Fauji Fertilizer Bin Qasim Ltd.-SSGCL	116.27	123.41	123.41	123.41
vi) Engro Fertilizer-EFL (I&II)-MPCL	116.27	123.41	123.41	123.41
vii) Fauji Fertilizer-FFC (I&II)-MPCL	116.27	123.41	123.41	123.41
viii) Fauji Fertilizer-FFC-III (Mirpur Mathelo)-MPCL	116.27	123.41	123.41	123.41
ix) Fatima Fertilizer-FFCL-MPCL	60.67	67.38	69.10 **	73.17
x) For additional 10 mmcf for Feedstock gas of FFBQL & FFC-III	60.67	67.38	69.10 **	73.17
(b) For Fuel - All Fertilizer Plants	460.00	488.23	488.23	488.23
<b>X. POWER SECTOR</b>				
i) WAPDA & KESC Power Plants	460.00	488.23	488.23	488.23
ii) Independent Power Producers (IPPs)	460.00	488.23	488.23	488.23
iii) TNB Liberty Power	1,617.00	1,501.04	1,511.68	1,396.24 ***
iv) Foundation Power Dehrki-FPDCL-MPCL	460.00	488.23	488.23	488.23

\* : Flat rate on all off-takes applicable w.e.f 22-09-2012

Source : Hydrocarbon Development Institute of Pakistan

\*\* : Effective from 01-07-2013

\*\*\* : Effective from 16-01-2014 and Rs. 1600.61/- for 1-15 Jan. 2014