

National Electric Power Regulatory Authority Islamic Republic of Pakistan

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No. NEPRA/R/TRF-100/MFPA/ 24 875-92

November 21, 2019

1.	Chief Executive Officer, Faisalabad Electric Supply Company Abdullahpur, Canal Bank Road Faisalabad	2.	Chief Executive Officer, Gujranwala Electric Power Company Ltd. 565/A, Model Town, G.T. Road, Gujranwala
3.	Chief Executive Officer, Hyderabad Electric Supply Co. Ltd. WAPDA Offices Complex, Hussainabad, Hyderabad	4.	Chief Executive Officer Islamabad Electric Supply Co. Ltd. Street # 40, Sector G-7/4, Islamabad.
5.	Chief Executive Officer, Lahore Electric Supply Company Ltd. 22-A, Queens Road, Lahore	6.	Chief Executive Officer Multan Electric Power Co. Ltd. MEPCO Headquarter, Khanewal Road, Multan
7.	Chief Executive Officer, Peshawar Electric Supply Company WAPDA House, Shami Road, Sakhi Chashma, Peshawar	8.	Chief Executive Officer Quetta Electric Supply Company Zarghoon Road, Quetta
9.	Chief Executive Officer, Sukkur Electric Power Company Ltd. (SEPCOL) Administration Block, Thermal Power Station, Old Sukkur.	10	Chief Executive Officer Tribal Areas Electricity Supply Company Limited (TESCO) Room No. 213, 1st Floor, WAPDA House, Shami Road, Sakhi Chashma, Peshawar

Subject: Decision of the Authority in the matter of Fuel Charges Adjustment for the Month of September 2019 for XWDISCOs along with Notification Thereof

Enclosed please find herewith copy of the decision of the Authority (09 pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of September 2019 along with its Notification i.e. S.R.O. 1413(1)/2019 dated 20.11.2019.

2. XWDISCOs are directed that while charging the fuel charges adjustment from their consumers, the Order of the Honourable Court(s), if any, be kept in mind and ensure compliance with the Order(s) of the Court(s), whatsoever, in this regard. In case of non-compliance of Courts Order the concerned DISCO shall be held responsible for violating / defying the orders of the Honourable Court(s).

Enclosure: <u>As above</u>

(Decision alongwith Notification is also available on NEPRA's website)

(Syed Safeer Hussain) 21 11 19

CC:

- 1. Secretary, Ministry of Energy (Power Division), 'A' Block, Pak Secretariat, Islamabad.
- 2. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
- 3. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.
- 4. Managing Director, PEPCO, 721 WAPDA House, Lahore.
- 5. Member (Power), WAPDA, WAPDA House, Lahore.
- 6. Managing Director, NTDC, 414 WAPDA House, Lahore.
- 7. Registrar, Supreme Court of Pakistan, Islamabad.
- 8. Chief Executive Officer, Central Power Purchasing Agency Guarantee Limited, Shaheen Plaza, 73-West, Fazl-e-Haq Road, Islamabad.



DECISION OF THE AUTHORITY IN THE MATTER OF FUEL CHARGES ADJUSTMENT FOR THE MONTH OF SEPTEMBER 2019 FOR EX-WAPDA DISCOS

- 1. Pursuant to the provisions of Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997, (NEPRA Act) read with the mechanism/formula determined by the Authority in the tariff determinations for Ex-WAPDA DISCOs for the FY 2017-18 and notified in the official gazette, the Authority has to make adjustments in the approved tariff on account of any variations in the fuel charges on a monthly basis.
- 2. In order to make adjustments in the approved tariff of the Ex-WAPDA DISCOs due to variations in the fuel charges for the month of September 2019, necessary information as to the details of the actual fuel charges etc. was obtained from Central Power Purchasing Agency Guarantee Limited (CPPA-G).
- 3. The Authority has gone through the information provided by CPPA-G seeking monthly fuel adjustment and due diligence is done accordingly. From perusal of the information so provided by CPPA-G, the actual pool fuel cost for the month of September 2019 is Rs.5.8136/kWh, against the reference fuel cost component of Rs.2.8410/kWh as indicated in the Annexure-IV of the notified consumer-end tariff of Ex-WAPDA DISCOs for the FY 2017-18. The actual fuel charges, as reported by CPPA-G, for the month of September 2019 increased by Rs.2.9726/kWh (Annex-I) as compared to the reference fuel charges.
- 4. Notwithstanding the fact that the monthly adjustment on account of fuel charges variation is made in pursuance of the provisions of section 31(7) of the NEPRA Act, as well as on the basis of a mechanism/formula already determined by the Authority in its annual tariff determinations for Ex-WAPDA DISCOs, yet in order to meet the ends of natural justice and to arrive at in informed decision, the Authority decided to conduct a hearing in the matter. The advertisement for hearing along-with salient features and details of the proposed adjustments, in the approved tariff, were published in newspapers on October 22, 2019 and also uploaded on NEPRA's Website for information of all concerned.
- 5. The Authority conducted the hearing in the matter on October 30, 2019 at NEPRA Tower, Ataturk Avenue (East), G-5/1, Islamabad. The date of hearing was mentioned in the advertisement published in newspapers and also uploaded on NEPRA's website, whereby participation in the hearing and filing of comments/objections from any interested/affected person were invited. Separate notices were also sent to the interested / affected parties.
- 6. On the date fixed for the hearing, representatives from CPPA-G, National Power Control Center (NPCC), NTDC, Media and General Public were present; however, no representative from WAPDA Power Privatization Organization (WPPO), Sui Southern Gas Company Limited (SSGCL), Sui Northern Gas Pipelines Limited (SNGPL), Ministry of Energy and Ministry of Finance attended the hearing despite service of notice.
- 7. Here it is pertinent to mention that the Authority in its FCA decision of July and August 2019, directed CPPA-G / NPCC to provide complete details along-with financial analysis regarding non-operation of efficient power plants resulting in costlier generation from RFO based power plants during such periods.



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- 8. Upon inquiry during the instant hearing, regarding non-submission of required data and financial analysis, representative of NPCC submitted that day wise detail of plants operated on RFO has been submitted to NEPRA vide letter dated October 29, 2019, showing the reasons for such operations, however, financial impact in this regard may be sought from CPPA-G.
- 9. The Authority, while taking serious notice of non-compliance of its directions and non-provision of required information by CPPA-G/NPCC, decided to adjourn the hearing, and directed CPPA-G/NPCC to submit complete detail showing hourly generation along-with the financial impact and the reasons thereof. The Authority announced to resume the hearing on November 05, 2019.
- 10. Subsequently, NPCC vide letter dated October 31, 2019 submitted daily hourly log data of all the power plants including RFO, along-with justification for the RFO based generation, loading position of transformers and merit order for the month of September 2019. Regarding financial implication of generation from RFO, NPCC submitted a calculation showing energy served by RFO generation to meet the system demand / constraints and the financial loss that would have been incurred had this energy from furnace been not generated and DISCOs had carried out load shedding.
- 11. The Authority, while going through the data submitted by NPCC, observed that the provided information was not in the required shape to carry out a meaningful analysis or draw any conclusion. Accordingly, NPCC was asked to submit the information on a specific format for the consideration of the Authority.
- 12. The hearing was re-conducted on November 5th, 2019. The Authority inquired NPCC/CPPA-G about submission of data on the provided format. The representative of NPCC requested the Authority to allow a two week time for submission of data on the Authority's provided format. The Authority acceded to the request of NPCC.
- 13. The hearing was also attended by Mr. Daniyal Aziz, Ex-Minister for Privatization. Mr. Aziz raised serious concerns over the explanations given by CPPA-G / NPCC regarding utilization of RFO based plants. He submitted that as compared to last year, generation from Hydel has increased whereas consumption remained lean. He further opined that independent verification of such feeders/ transformers and evacuation sites, for which overloading has been claimed, be carried out. It was also suggested to review the foot notes mentioned at Economic Merit Order as exception for almost all plants have been provided. Mr. Aziz suggested to defer the decision in the matter till next hearing unless the required data is provided by NPCC/ CPPA-G.
- 14. The representative of NPCC, while responding to the concerns raised by the commentators, submitted that present situation in the FY 2019 has changed as compared to FY 2018. Generation Capacity has increased by around 10,000 MW, resultantly zero load shedding is being carried out. He also submitted that RFO consumption has reduced by around 60% till September 2019 viz a viz FY 2018 and there is zero RFO usage from October 2019 onward. It was further stated that RFO based plants were designed in such a way to cater for the load growth, with minimum line losses and connected at 132 KV. However, the three (03)







RLNG power plants have been connected at 500 KV, which require Transformation from 500 to 220 KV and then to 132 KV but the transformers involved in this process (transformation) do not have enough capacity to accommodate the maximum generation from these plants, resultantly RFO based plants are operated to manage the load. The overloading of transformers in previous years was being managed through load shedding, providing relief to these overloaded transformers. It was also submitted that after 20th October 2019, NPCC by using NCP, PLEXOS and SDDP softwares would be able to provide a day ahead schedule of all plants to be dispatched on hourly basis by incorporating therein all the constraints and fuel prices.

- 15. After considering the comments of NPCC and keeping in view the fact that certain vital information is yet to be provided by NPCC, which may justify NPCC stance of running RFO based power plants, the Authority has decided to defer the incremental amount of Rs.7.2 billion in the instant adjustment. The same would be considered in the light of data & justification to be provided by NPCC in the next FCA. The Authority hereby again directs NPCC/CPPA-G to ensure the provision of data within the committed time.
- 16. The Authority also noted that as per the data submitted by CPPA-G, XWDISCOs purchased 10.006 GWh from Captive Power Plants (CPPs) during September 2019. CPPA-G provided actual details of energy purchased from these plants. According to the details provided by CPPA-G, the actual fuel cost of this energy is Rs.67.86 million. However, the same as per the adjustment mechanism approved by the Authority for CPPs/NCPPs, works out as Rs.67.82 million, which has been considered while working out the FCA of September 2019.
- 17. It is also pertinent to mention that CPPA-G has reported negative energy from Anoud Textile and Shikarpur Power Captive power plants, during September 2019, meaning thereby that these plants have drawn energy from the grid. The total energy drawn by these CPPs/NCPPs during September 2019 is around 43,040 kWh, however, CPPA-G only reported a negative cost of Rs. 292,672 @ Rs.6.4408/kWh. In view thereof, an additional amount of Rs.0.814 million has been deducted from the total fuel cost of September 2019, based on the rates charged by CPPA-G for sale of electricity to IPPs, during this month.
- 18. CPPA-G in its monthly FCA requests, included fuel cost of Gas based NCPP/CPPs inclusive of GIDC. The Authority in its FCA decision of August 2019, directed CPPA-G to provide details of GIDC paid by DISCOs to CPPs/ NCPPs, and the amount actually paid by CPPs/ NCPPs to the Gas supply companies. CPPA-G has not yet provided any such details. In view thereof, CPPA-G is again directed to provide details of GIDC paid by DISCOs to CPPs/ NCPPs, and the amount actually paid by CPPs/ NCPPs to the Gas supply companies
- 19. The Authority also noted that fuel cost of the following power plants has not been claimed by CPPA-G as per the Authority's approved rates, accordingly, the same has been adjusted downward in line with the Authority's approved rates for the month of September 2019;





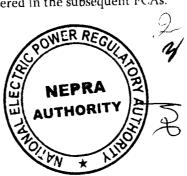
Power Flant	Energy kWh	Amount Claimed by CPPA-G Rs.	Avg. FCC Claimed by CPFA-G including impact of PPA Fcators Rs./kWh	Avg. NEPRA's approved FCC Rs./kWh	Revised Amount hased on NEPRA Approved FCC & Impact of PPA Factors Rs.	Adjustment Rs.
		172,809,983	10.89	6.08	96,517,890	(76,292,093)
NPGCL (Block 111 - Unit 5&6)	15,867,958		12.91	11.63	1,112,737,526	(122,072,234)
Orient Power	95,661,320	1,234,809,760	12.58	11.34	1,192,216,864	(130,808,100)
Saif Power	105, 173, 223	1,323,024,964	13,26	11.50	412,021,37/	(63,026,590)
Sapphire	35,834,510	475,047,967		11 49	1.073.226.223	(117,744,305)
Halmore	93,369,398	1,190,970,528	12.76	9.60	6,317,280,614	(814.000,243)
QÄTPL	657,901,525	7,131,280,856	The same is not the same in th		4,351,222,207	(622,400,396)
HBS	484,118,700	4,973,622,603		9.38	The second secon	(43,0/3,656
Sahiwal Coal	411,881,376	2,909,932,786	7.06	6.96	2,866,859,130	
Balloki	710,929,403	7,551,845,340	10.62	9.41	6,689,775,289	(862,070,051
Total	2,590,737,413	26,963,344,787			24,111,857,118	(2,851,487,669

20. CPPA-G also claimed an amount of Rs.6,961 million on account of previous adjustments & supplemental charges of Rs.673.24 during the month of September 2019 as detailed below;

	Rs. Mln
	Claimed
Previous Adjustments	Amount
1994 Policy IPPs Adj.	
Guddu 747	22.37
NPGCL	39.24
Nishat Power	1,102.84
Nishat Chunian	146.99
Engro Energy	190.17
нивсо	48.80
QATPL (Bhikki)	333.42
Haveli Bahadur Shah	2,261.06
Reshma Power	2.98
Balloki	2,140.10
Supplemental charges	673.24

G, Total 6,961.20

- 21. Regarding adjustment on account of Fuel differential of Rs.1,102.84 million pertaining to Nishat Power Limited (NPL) for the month of August 2019, the Authority noted that although CPPA-G included energy generated from NPL in its FCA claim of August 2019, however, no cost was claimed against the said energy. Accordingly, the cost being legitimate has been included in the fuel cost of September 2019.
- 22. Regarding adjustment of Rs.190.17 million for Engro Energy on account of revision in Fuel Cost Component for the Month of July 2019, owing to revision in gas price, the same being legitimate has been allowed in the fuel cost of FCA September 2019.
- 23. For the remaining adjustment of Rs.4,995 million, as detailed below, CPPA-G although has submitted its workings in this regard, however, the same is under verification and once verified, would be considered in the subsequent FCAs.



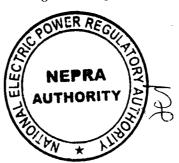


Previous Adjustments	Claimed Amount
Guddu 747	Rs. Min
NPGCL	39
Nishat Chunian	147
НИВСО	49
QATPL (Bhikki)	333
Haveli Bahadur Shah	2,261
Reshma Power	3
Balloki	2,140
G.Total	4,995

- 24. The remaining previous adjustments/ supplemental charges of Rs.673.24 million are allowed in the FCA of September 2019.
- 25. The Authority after incorporating the aforementioned adjustments, has allowed the remaining fuel cost, including costs arising out due to application of various factors as provided in the respective PPAs of the Power Producers, claimed by CPPA-G in the cost. However, at the same time, the Authority has decided that amount arising out of application of PPA factors, if any, for the six RFO based IPPs, incorporated under 2002 Power Policy, is allowed on provisional basis and shall be subject to adjustment, based on the final outcome of the ongoing proceedings against the RFO based IPPs.
- 26. NTDCL, through email reported T&T losses of 367.43 GWh i.e. 2.68% during September 2019, which are within the Authority's allowed limit of 2.80% and accordingly considered while working out FCA of September 2019.
- 27. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed an increase of Rs.1.8266/kWh (Annex-II) in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of September 2019 as per the following details:

Actual Fuel Charges Component for September 2019	Rs.4.6676/kWh
Corresponding Reference Fuel Charges Component	Rs.2.8410/kWh
Fuel Price Variation for the month of September 2019-Increase	Rs.1.8266/kWh

- 28. In view of the aforementioned, the Authority has decided that adjustment as referred to in Para 27 above;
 - Shall be applicable to all the consumer categories except lifeline consumers.





- b. Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of September 2019.
- c. XWDISCOs shall reflect the fuel charges adjustment in respect of September 2019 in the billing month of December 2019.
- d. While effecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

AUTHORITY

Saif Ullah Chattha

Member /8.11.26

Rehmatullah Baloch

Member

Rafique Ahmed Shaikh

Member

Engr. Bahadur Shah

Vice Chairman

Tauseef H. Farood

Chairman

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CENTRAL POWER PURCHASHS ASSESS (C*PA) Emergy Procurement Report (Provisional) For the Munth of September 2018

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	Assesses Fol	ta/.	1.864	489,232,484	4	5,659,257,719	-		6,659,357,749	200,078,376	0.0337.22,093			1	1	1		
GENCO-V		Con	31				1	1			<u> </u>	1		1		<u> </u>	<u>`</u>	
LAHWRA	Sub-Tor					1	<u> </u>	1				81,603.3		86.601.781		52.1.52.764.879	44, 316, 241	17.401
RE COL			4.327	1 122 916 No		12/191 181 551	-	+	12.091,101,551	444 231 348.	*2.535.639.392	81,603.2	4 4,588,694	50.661.851	+	12		
Più.		RFO	27		4		i	į.	1		}		-	1	1 .	1	i	
Hat Acr : Brock		REN		7,337,469	, }	93,724,307	.]	1	93 724,307	3,073,359	96,798.066	1	10	1	1	93,724.387	3,072 759	36
İ		H60			1	i :	Ι.	1			1	1		R REGU	-1	2,349,878,795	148,653,967	2.436
Kot Azeu B'ect Z		RFC	, re	157,274,80		2,349,978,785		1	2,749,878,795	148,653,997	2,498,532,792 3,667,055,422		- NA	LRAF	1	1 527,696,2AZ	129,759,186	3,667
		RUN HSS	3	269,581,300	14	1,531,696,242	+		2.527.696.242	121,409,150	1	Ĭ.	1000	ナー・バルシン	J. T. T			
Not Associated 2		RUN		69.787.50	, [881,651,845	1	1	881,951,845	63,259,176	942.6"1,026	1		~0	X	881,951,848	66.650,178	742
Not more Since 1		1 HSG		1	1	1 .	1	1			1	 	/ ////			€ 853,251,792	341,165,118	7,204
	KAPSO T	rtsc	1.334		11	4.863,251,192	<u> </u>	+	6,863,251,15	341,146,185	7, 204, 397, 307	+	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	+	M			
" Sub Fower		B/-C		77.156.00		1,092,125,209	. ŧ	1	1,032,125.20	63 838.303	1,155,963,511	;	[1 /	1	Vol :	1,092,125,269	£3,635,362	1,15
7 Kuhissor Stengy		450	. 1	43,912,500 43,912,100		797,179,229	it:	1	769,179,226			1 f .	77/ NE		121	709,178,225	12,981,923	? ×
ASS LADO	rr-Ned	RFC	34	2		1	i	1	1	1	1	\cdot Γ	~; NE	PRA	[광	1	100	}
6 Sustains Power		RFC) [11	ୀ -	Į.	1	4	1	1	20 423 489	205,389,234	. 1:	51		171	184,965,749	20 423.485	20
Ingeriora.		1 15.25	- 1 · 12	9 27,55C.9G	• [184,965,745		1	184,965,746	20 423.485 2 66,971,436	1,052,428,388	1 1	"\ AUTI	HORITY	5,298,57	2 370,855,504	86,971 493	1.65
Fact Normana		j Su	. 1	79,247,43 57,258,49		965,456,972 880,197,692		•	680,000 800	27.402.85	703,500,886		١١ ٥٠ إبر	TAULT I	101	660.097,692	25.402,394	70
Seguiro		950	5 39 1 1	4, 256.49	* •	1	1	i	1			1	4\	4 5		1	1	1
water Power		RFC		-1	1	1 .	1		-			.1	12	1	572,325.80	2,487,947,028	129,331,046	2 22
12 Ush		Ces		371,067.66	0 }	1.524,621,126		1	1 524,621,120	t 129.333,044 4 S15,150	1,653,954,166	.1	107	· /c	A. 21.752.80	8,424,294	511,158	
··· An-re		Cirr	1 1	1 210/44		8,424,294 1,288,318,153		4	8,424.29- 1,286.318,15	4 515,752 5 52,763,62	1,341,921,783		TELL	1190	94,519,84	347,836,995	52,003.630	1.43
# (Liberty		Ger RUN		106,952,10	= 1	1,200,318,153	• 1	1	1,200.3.0,13.		1 -		VON	1119	/			1
1- Davis Energies 2 (Charlette Autor)		1 3.2		213,974.00	c'	202.022,385		İ	202,022.68		.702,622,080			* N	y	22 2 022 080 152 186 634		23
Coasema Audica	- 4"	1 8.0		271.547.00	c i	152.186.634	4 .	;	152,180,63	4 ,	152,160,634	1	\	17	1	152,180,634		121
TE CHEERNA NACHET	• 3	6.0	. ;	90.251,07	0 [125/105/936 126/176 421		4	125,165,93 728,176,42	,	125,105,936				1	238,176,421		226
37 Charlette Nikhert	•	Aug Heigh		22: 509.68 49.973.40		128,176,42 578,235,71		į	578,265,71	5	578 235,715		<u> </u>	1	1 .	\$76,235,715		576
St Stavant lide			ar i	8 2,000,334.95	v ;	14.602.769,56			14,602,160,56	4 129,511 10	15,331,471,668			1	673.243.3*	4 15,275,403,878	729.311.764	*6,004



CENTRAL POWER PURCHASING INGENCY (CPPA) Energy Precurement Report (Provisional) For the Month at September 2019

								ror the NO	onto at September 201						,		
Power Producer	Fuel	Dup. Capacity	Energy KWh	Fuel Cost component as determined by Ackhorthy (Rs.AMh)	Fuel Cost as per NEPRA Approved Rate (Rs.)	heat Degradation Factor (Bh) Rs.	Load Correction Factor (AL) Rs.	Forl Charges Rs.	VOMW Charpen Rs	EPT 595mg month (Rs.)	Prev. Adjustment in Fisel Cost (PkL)	Prev Asjustment in VOLM (Rs.)	Prev. Adjustment in EPP Total Rs	Supp Counges	Total Fuel Cost: Rs.	Fetal VOICE Rs.	Total Emergy Cost (Rg.)
Amook Gan	RFC	56	14,477,391	12.6613	183,302,591	- 1	- 1	163,367,352	28,999,224	204,301,576					183,362,352	20,929,214	274,361.
IAGRE Power	RPO !	714	36,542,141	13,9186	425,103,844		. [425,103,844	37,875,309	462,979,152			1		425.103.844 1.869.893.652	37.875,305 27.064.958	462,973 1,996,156
Nisket Power	RFO	95	52,866,217	14.2077	751,078,631		15,172,157	766.25C,788	75,667,186 55,571,118	841,917,974	1,102,842,254	51,397,812	1,154,240,076		745,136,956	35,571,116	831,786
Foundation Power	Gas	-21	95,026.369	7.073C	672,118,636	25,539,468 13,426,306	48.478.452 \$6.876.324	746,136,956 1,234,809,766	34,342,425	1,269,152,185		5,624.130	5,624,130		1,234,809,760	35,966,955	1,274,776
Creater .	RLNG HSC	213	95,561.320	17 8088	1,110,513,125	13,426 30%	20111.324	1,234,003,760	34,443	(,205,132,103							
Kisaur Chumian	RFO	1	58,885,126	15.4117	855,252,183		21,842,811	617,694,994	82,951,272	1,008,846,266	46,988.272	17,996,509	164.984.71		1,064,883,265	106,947,781	1.165 G3*
1	RUNG	134	105,173,223	11.6099	1.221,053,662	36,753,495	65,229,867	1,323,024,964	%4.229.267	1,287,254,251					1.327.024,964	64,229,287	1,367,254
Sad Power	HSD		. 1	1 1		- 1					190,174,540		127,157,444	- 1	\$51.873.293	20,221,54	1.693.684
Engra Evergy	Gas	212	98,139,508	7.9345	778,685,213	-	23.813.586	.828.883,128	51.238.637	852,977,496	190,174,840	6,982.964	127,137,444	1 1	33073.303		1.2.10,1,44
	RLNG		35,834,510	13.2567	475 847 967			475,847.967	23,347,340	498,395,315			1		475,647,967	23,347,348	434,395
Saphire Power	HSO	203	33,334,370	1	4. 2. 4. , 3	1							1		- 1		
Hubso Kerous	RFC	214	71,981,850	13,4099	965,258,952	- 1	[925,291,662	81,424,964	1,046,683,646	46,796,932	8,108,924	57,305,455	,	1,814,855,614	90,533,888	1,194,585
Liberty Primer	RFO	195	83,555,719	19,8365	1,156,285,817			1,194,285,817	114,278,801	1,270,556,619			1	n e e i d	1,156,285,817	57,251,126	1,341,251
I-taomore	RUNG	199	93,369,368	11.6095	1,663,972,826	30,351,217	76,647,285	1,190,970,528	57,282,126	1,248,232,634			1		1.30.310.310		
1	HSD Gas	361	228 764 324	6.4074	1,465,792,792	48,957,456	15 855,002	1,530,641,550	78.341.659	1,604,947,299			1		1	78.341,659	78,341
Liowes	Engasse I	26	15,108,400	6.2389	93,896,545			53,#M6,545	11,246,693	105,053,238			1		93,896,545	11,244,673	105,653
	Bagasse	26		1 . 1		- 1		- 1					·		1	279.481.836	
Chine Hirk Power (Fire) und	Cost	1,220	636,247,809	5.0828	3,134,947,567			1,234,647,367	299,461,839	3.533,583.46T				1	3,234,947,967 1,753,716,836	162,285,078	2,533,525 1,916,115
Engra PowerCorn Than TAS	Cost	67.0 41	345.016,160	5.GE30	1,752,716,836			1,753,716,836	162.399,074	1,815,115,975			1	r · · · · · · · · · · · · · · · · · · ·		I	
Carporate Ecopar Milities	Bagasse RLNG		657,961,525	12161	6,456,012,811.41	77,672,264	597,786,581	7,131,280,856	206,466,994	7,339,769.850	335,415,200	r i	331,415,200	i · ·	7,464,696,656	201,4#8,784	7,613,18
GATPL	HSO.	1.183	44. Jac 1,325)	1								i :-	1		<u></u>		
	PLNG	1.730	464,119,700	#¥\$57	4,551,457,834	54.602.410	367,582,259	4,973,622,663	146,011,743	5,119,634,346	2.281.98C.4412		2.281,050,472		7,234,682,005	146,011,749	7,386,6
Havet Burgatur Swatt	HSD			1						0.004.000		£	1	f	2 969,5 % 726	74,906,162	(SRA
Car Fre Pener Plat	Coorl	1 320	411,881,376	7.0692	2,909,832,786		, . .	2,939,932,786	74,95€,102	2.984,886,668		t I	h :	1	2 300 3/3 /45/1 80	- Taraban Mark 1	
Gulf Passer Gun	RFO .	6.7		{			, - -+		! !		287.27.5	1H 247	3,671,367	(1,975,273	secur)	8.9
Rushman.	RENG	1 520	718,929,463	9.8126	6, STE OSC, #46	83,711,327	452-003.167	7,591,545,346	223,445,111	7,775,290,451	2,100,252,233	1	2.149.896.29Z		9:901;943;572	271 KE Y11	¥.815;5
9	HSO						1		- 1		-	1)	ļ i	4		
	Carel	1 3 7 0	£39,294.16C	6.8823	4 186,078,575			4 YEA STR. 525	415.534, 3 88	4.521,618,084 45.789;827,840	6,876,35°L4'#	¥12, *******	SPACESTOR		4.786.996.605	CANDER NO.	4,521,63 4,521,63
	S.A. TOTAL	11,586			41 364,364,805 55,866,725,469		1,854,542,485 / 2,874,942,485	20.450.000 850 20.450.000 850	2.8% 105,46%) 3.048.615.530	63,789;8627,840 63,120,439,288	4,226,391,706	97.146TMB	BUE TARYABIY	NETERORISMO	8.1540° p7"> 2580°	2'828'85', 4***	(\$\\$\\\$\\\$\\\$
.M. r. Your.		\$3,724	7,294,312,678	+	\$13,MER, MES, MOS	390(13.53.943)	1 1000	200.0.00							1		
PS-Queru	Gra	25	(18,000)	.]]	i l		(154,800)	(154,800)			! .		1	(0.34.04.0)	(*)
Zan	Wind	56	1.852.626				i l		54.4-0	58,41C	*			1 .	1	68,450	
FPOSL	Wass	50	4.820,460				, ,	,			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	1	1 1	
ref	Wind	50	5,917,400				, !		· 4				1	1	4 11		
Feundarien	Wind	95	(5.078,470 4,264,144	,		1	: +	1 1 1	1.1			*	1 .	1 .	1 1 1 1 1 1 1	- 1	
Saphire Wind Power Yourus Evergy LM	Wend	50	4.384.230	4 . 9					- 1	. 1		11		·	1	- 3	
But a Vina Power	thorad	50 50	6.482.170	1 1		1	, 1						1 A.	1	1 1 1 1 1	* .	
And America World Power	Wind	50	4,439,580	1		1							§	4	1	- 1	
Marchar What Power	Wind	501	4,461,762	1		1		,					\$		1 1 1		
Tenage Genaus.	Wind	50		4			į					1 1	1 1 1 1 1 1	1	1	- 1	
Tepni Wink	Wind	50	3,907,786 7,385,990			Į	, †					!	1		1		
SEEK Wood	Want	5	5,871,802			1	1						1	1	1	1	
LEOL WANK	Ward	95				1 1	1					1	1		1 1	- 1	
Guid e Agam Solar Park	Euler	52	14,347,600]	. !			*. ;		a contract of		4	1	- 1	
Appoile Sour Park	Sour	100	14.267,536			1	1 /						1 .		*	1	
Best Draw Ereczy	56/87	100	14,196,656			:		§	4				1			- 1	
Creat Energy			14 707 000		1	ļ i	ļ	1									
	Soiar	133	14 396,950														
Harappa	Solar Solar Solar	18. 18.	14 396,958 2,833,974		-												
Aj So'ar	Soler	18	14 196,950 2,831,974 1,564 560					-									
Horappe Ay Bolar AEP Wood Journey: Word	Solar Solar Wind Wind	18, 1e 50, 50	14 396,956 2,831,974 1,564 580 7,724,060 5,747,220														
Hereppe Ag Seirar AEP Vend Jacomer Mond Health Nicol	Solar Solar Wind Wind	18 1e 50 50 50	14 396,956 2,831,974 1,564,560 7,724,060 5,747,220 5,369,740														
Ag Solar Ag Solar AGE Yand Jacomer World Hanka Nind 157	Solar Solar Wind Wind Wind Wind	18 1e 50 50 50	14 396,956 2,831,974 1,564,560 7,724,060 5,747,220 5,369,740														
Ag Seizh Ag Seizh Ag Pwend Jaumer Mind Hakita Mind 100	Solar Solar Wind Wind Wind Wind	18 16 50 50 50 50	14,396,956 2,813,974 1,564,660 7,724,060 5,747,220 5,369,745 4,913,739 4,788,616														
Ag Solar Ag Solar AEP World Jaumer Mored Habita World 1G T65	Solar Solar Wind Wind Wind Wind	18 1e 50 50 50	14,396,556 2,811,874 1,564,560 7,724,060 5,747,220 5,369,744 4,913,739 4,788,616 7,289,602 6,746,136														
Femerages Ag Sarbur	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50	14, 396, 396 2,811,828 1,564, 560 7,724, 060 5,747, 220 5,309, 74° 4,913, 739 4,788, 616 7,289, 602 6,746, 136 6,561, 244														
Femnegee Ag Sear AEP Wed Jammer Werd Helde Wind TOT TOT TOTAS Baston A Tricon Beston G Tricon Beston G Tricon Beston G	Solar Solar Wind Wind Wind Wind Wind	16 50 50 50 50 50 50 50 50 50	14 396,555 2,313,275 1,564 580 7,724,060 5,747,226 5,369,746 4,913,739 4,768,616 7,289,602 6,746,136 6,561,244 5,561,009					\$7.80.64		67 858 AVE					C. 200.56		
Memorae Ag Sava AGP Whol AGP Whol Jammer Whol Holl TO TO TO TO TO TO TO TO TO TO TO TO TO	Some Solar Wind Wind Wind Wind Wind Wind	18 50 50 50 50 50 50 50 50	14 396,555 2.831,878 1.584 580 7.724,060 5.747,220 5.309,74: 4.743,733 4.748,646 7.28,640 6.541,244 5.501,009		67.459.616 67.459.616			57.829.516 67.839816	(94, 594 <u>)</u>	51,859,016 57,773,286					FT.853.918		ተን:
American AE Paris AEP Paris AEP Paris AEP Paris AEP Paris AEP Paris AEP AEP AEP AEP AEP AEP AEP AEP AEP AEP	Some Solar Wind Wind Wind Wind Wind Wind	16 50 50 50 50 50 50 50 50 50	14 996,895 2,213,974 1,584 580 7,724,905 5,767,220 5,086,74 4,713,739 4,788,612 5,746,136 5,551,244 5,551,009 10,005,900 27,387,644				1,814,543,485	67,\$59,616			6.25 (58.44.)	95.544.619	6.345.485.39.4	677.54333	FT.853.918	A SONE COOKS	ተን:
Memorae AR Servi ARP World Jammyr Whrd Habita Wird TGT TGS TGG TGG TGG TGG TGG TGG TGG TGG	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,1895 2,233,1894 1,384 480 5,747,226,690 5,747,226 5,086,744 4,915,739 4,788,616 7,289,690 6,744,136 6,581,244 9,581,090 10,003,980 221,281,094 13,872,1948,875		67,259,616			67,\$59,616	3,909,681,243	67,773,226 74,140,525,086	6.25(554.4.)	95 544.879	6.045.00°35.	6V.BASM	FT.853.918	4 383 (0210862)	773. N-28513
Memorge Ag Servi AEP World AEP World Jamery Mend Laste Nicol TGT TGS TGS TTICAN Boston A TTICAN Boston B CAPPER Nicol SERVICE S	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,195 2,313,924 1,564,680 7,774,090 5,147,226 5,369,746 4,915,739 4,794,515 7,295,602 6,746,136 5,961,244 9,501,090 10,005,980 221,281,284 1,3,672,384,229 5,852,494,295 5,852,494,295		67,859,616 ER 025,886,656	290,812,943		67,859;616 70,237;943,645.	3,909.681,243 417.813.261	67,773,226 74,149,525,086 411,013,261	6.25(554.4.)	95 544 679	6.023-481707	67.24334	FT BESSET 1 TANKA NORMANI	417,01834.1	437 39-2657 \$1.73
Memoryae Ag Sanu AEP Whol AEP Whol Jameyo Mend Lasses Mixed 107 TES TITION Restors A Titions Restors A	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,1895 2,233,1894 1,384 480 5,747,226,690 5,747,226 5,086,744 4,915,739 4,788,616 7,289,690 6,744,136 6,581,244 9,581,090 10,003,980 221,281,094 13,872,1948,875		67,259,616	290,812,943		67,\$59,616	3,909,681,243	67,773,226 74,140,525,086	S.25* (S.44.4.)	95 544.67	6.343.461394	57.54334	FT.853.918	4 2004 00 200602 4 17 ,01 0 24 1 902 ,31 1 52 9	71.7 No.2857 V. 75.
Memorge Ag Servi AEP World AEP World Jamery Mend Laste Nicol TGT TGS TGS TTICAN Boston A TTICAN Boston B CAPPER Nicol SERVICE S	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 396,395 2,313,375 1,364,480 5,147,226 5,547,226 5,547,226 5,547,247 4,471,739 4,788,646 5,681,244 5,681		67,859,616 ER 025,886,656	290,812,943		67,859;616 70,237;943,645.	3,959,681,243 417,813,261 952,371,529 986,364,269	67,773,226 74,148,925,086 411,013,267 12,956,147,244 14,202,686,005	1,14, 329,514	78.536.232	1,410,378,679		77.653.55 77.653.55 77.653.55 12.665.775.)15 14.675.463.865	4 301 0 20052 417 (010 24.1 902 31 1 538 744 4 02:00!	\$1.05 \$1.05 \$1.288 \$1.682
Memoryae Ag Sanu AEP Whol AEP Whol Jameyo Mend Lasses Mixed 107 TES TITION Restors A Titions Restors A	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,895 2,313,901 1,364,490 7,724,690 5,747,225 5,986,744 4,915,739 4,788,546 7,289,590 6,744,136 5,961,296 10,003,980 221,281,994 13,271,346,275 5,882,243,275 2,232,243,275 2,232,243,376		67,859,616 48 025,886,656 12,603,775,715	290,812,943	1,814,543,485 37,814,546 57,548,034	67,859/616 70,231/042,461 12,001,775,775 12,504,623,735 (1,344,155,416	3,999,681,243 417,813,251 952,371,529 956,364,269 718,556,687	67,773,226 74,140,525,086 411,013,26 12,956,147,244 14,202,626,005 12,063,691,362	1,146:839.518	7e:536,232 11,361,358	1,419,378,678 223,522,318	677_243.574 672_243.574	77.8536.77 17.9971.036.053 12.003.775.)15 14.875.463,803 18.704.314.335	4 300 m (1005)2 4 17 (1005)4.1 502,31 1,518 748 £ 031/201 E25,537 £45	73 %26% 52.983 15.622 11,430
Memoryan Ag Serial AEP Wind Jameyer Mind Jam	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,895 2,313,924 1,384 480 7,724,690 5,747,225 5,086,744 4,915,739 4,788,546 7,289,690 6,744,136 5,981,244 9,581,994 1,382,1909 221,281,994 1,382,291,281,994 2,134,393,76 1,474,775 1,884,4767,113 1,884,463,899		67,859,676 48 025,866,656 12,603,775,715 12,697,669,067 11,167,290,657 29,863,624,330	296.812.942 74.696.924	1,814.543,485 37,814.546 87,348,034	67,859/816 70,237,943,465 12,001,775,775 13,504,623,735 11,496,123,135,015 51,496,123,833	3,959,681,243 417,813,261 952,371,529 986,364,269	67,773,286 74,140,525,080 411,013,261 12,956,147,244 14,202,696,005 12,061,691,302 33,041,482,126	1,14, 329,514	78.536.232	1,419,378,678 223,522,318		77.855.67 75.97.1,536.05.1 12.662,775.315 14,875,463,M03 18,774.333 36.630.695.669	4 301 0 20052 417 (010 24.1 902 31 1 538 744 4 02:00!	73 35-265 57.965 15.672 11,430 77.182
Memoran Ag Salar AEP Wood Jahanger Winds Hald Wind 107 T65 T75 T75 T75 T75 T75 T75 T75 T75 T75 T7	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,395 2,313,305 1,364,490 7,724,660 5,147,226 5,569,744 4,913,739 4,788,646 7,288,642 5,748,546 5,567,748,567,748,546 5,567,748,546 5,567,748,546 5,567,748,546 5,567,748,567,748 5,567,748,548 5,567,748,548 5,567,748,548 5,567,748,548 5		67,359,676 ER 025,866,656 12,603,775,715 12,497,669,067 11,187,290,667 29,883,624,330 707,485,677	74.496.924 316.277.019	1,814,543,485 37,814,546 57,548,034	67,859,816 70,231,942,845 12,002,775,775 12,504,622,735 11,846,125,823 11,846,127,823 TUT,486,871	3,999,681,243 417,813,251 952,371,529 956,364,269 718,556,687	67,773,226 74 149,525,088 411,013,261 12,956,147,244 14,262,828,005 12,063,891,362 33,042,483,226 267,485,671	1,146:839.518	7e:536,232 11,361,358	1,419,378,678 223,522,318		77.665.667 75.97.6.756.257 12.601.775.116 14.875,463,863 16.776,314,339 36.630.695.669 787,465.671	4 300 m (1005)2 4 17 (1005)4.1 502,31 1,518 748 £ 031/201 E25,537 £45	7 V 35 25 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
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Memoran Ag Solar AEP Word Jammore Winds Halle Mind 107 Tissan Bostom A Tissan Bostom A Tissan Bostom C AEP Wind Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan C AEP Testan Bostom C	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,895 2,313,974 1,384,490 7,724,690 5,147,226 5,147,226 5,147,226 5,080,744 4,913,739 4,788,696 7,288,692 5,786,136 5,581,244 5,561,099 1,000,390 1,000,300 1,000,300 1,000,300 1,000,300 1,000,300 1,000,300 1,000,300 1,000		67,359,676 ER 025,866,656 12,603,775,715 12,497,669,067 11,187,290,667 29,883,624,330 707,485,677	74.496.924 316.277.019	1,814,543,485 37,814,546 57,548,034	67,859,816 70,231,942,845 12,002,775,775 12,504,622,735 11,846,125,823 11,846,127,823 TUT,486,871	3,999,681,243 417,813,251 952,371,529 956,364,269 718,556,687	67,773,226 74 149,525,088 411,013,261 12,956,147,244 14,262,828,005 12,063,891,362 33,042,483,226 267,485,671	1,146:839.518	7e:536,232 11,361,358	1,419,378,678 223,522,318		77.665.667 75.97.6.756.257 12.601.775.116 14.875,463,863 16.776,314,339 36.630.695.669 787,465.671	4 300 m (1005)2 4 17 (1005)4.1 502,31 1,518 748 £ 031/201 E25,537 £45	73: 55-55 50: 55-55 75: 55-55 75: 55-55 75: 75-75 76: 76: 76: 76: 76: 76: 76: 76: 76: 76:
Feerage Ag Selvi AEP Wind AEP Wind AEP Wind Langue Shind Langue Shind Langue Shind Tricon Bostom A Tricon Bostom A Tricon Solution C AEP CTEST S-1-CTEST Langue L	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196.395 2,213.3054 1,364.490 7,724.690 5,747.226 5,565,747.226 5,565,746 4,575,747 7,286,692 6,746,136 5,567,244 5,567,248 7,567,269 17,687,248 227,1887,248 227,1887,248 1,467,478,173 1,464,478,478 1,464,478,478 1,464,478,478 1,464,478		67,359,676 ER 025,866,656 12,603,775,715 12,497,669,067 11,187,290,667 29,883,624,330 707,485,677	74.496.924 316.277.019	1,814,543,485 37,814,546 57,548,034	67,859,816 70,231,942,845 12,002,775,775 12,504,622,735 11,846,125,823 11,846,127,823 TUT,486,871	3,909.681,242 417.813.261 952.371.529 686,864.269 716.596.687 1.146.361,393	57,773,289 74 748,525,086 411,073,241 14,203,689,005 12,083,891,302 33 041,483,265 707,485,671 1718,235,175 66,470	1,146:839.518	7e:536,232 11,361,358	1,419,378,678 223,522,318		######################################	4 201 0 170032 4 77 27 10 28 1 502 27 1 52 9 24 8 1 0 27 90 1 125 93 1 26 5 1 (51 98 5 5 2 3	73. 15.622. 11.630. 77.782. 767. 576. 165.
Memoran Ag Solar AEP Word Jammore Winds Halle Mind 107 Tissan Bostom A Tissan Bostom A Tissan Bostom C AEP Wind Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan Bostom C AEP Winds Solar Testan C AEP Testan Bostom C	Some Solar Wind Wind Wind Wind Wind Wind	18 16 50 50 50 50 50 50 50 90	14 196,895 2,313,974 1,384,490 7,724,690 5,147,226 5,147,226 5,147,226 5,080,744 4,913,739 4,788,696 7,288,692 5,786,136 5,581,244 5,561,099 1,000,390 1,000,300 1,000,300 1,000,300 1,000,300 1,000,300 1,000,300 1,000,300 1,000		67,459,676 68 075,566,636 12 003,775,715 12,497,609,007 11,187,290,657 29,882,624,330 707,695,071 578,235,715 61,606,545 67,855,616	74,4% 324 316,277,019	1,814,543,465 37,814 544 67,344,034 7,690,180,413	67,2599576 70,237,045,045 12,040,176,776 12,564,622,715 11,040,136,173 37,040,136,175 37,040,136,175 37,040,145 37,040,145 37,040,145 47,240,678	3,999,681,249 417,813,261 92,371,529 468,645,269 714,592,667 1146,361,363	57,773,289 74 144,573,089 74 144,573,089 411,673,24* 12,956,147,244 14,202,869,005 12,063,861,362 2707,485,671 1714,325,175 66,476 (15,053,288 67,683,456	1,140,839,5/4 21,2540,966 6,734,571,878	76:536-332 11:361:358 5:824.150	1,418,378,679 201,522,318 4,740,197,965	673,243,514	77.653,60 70.971,000,253 12.001,775,115 14.875,465,803 19.704,714,333 36.670,695,865 787.625,77 578,225,77 578,225,75 93,806,545 67,899,615	47,0103. 47,0103. 92,1115.9 244,0103. 92,1115.9 245,000. 151,805.523 11,245.652	73.7 15.672.8 15.672.8 11.430.2 77.182.6 767.4 576.2
A Serial A S	Solar Solar	18 16 50 50 50 50 50 50 50 90	14 196,395 2,313,3074 1,384,480 7,724,060 5,147,226 5,369,744 4,913,739 4,788,616 7,788,630 5,781,286 5,581,284 5,58		12.003.775.715 12.003.775.715 12.497.609.007 11.187.790.867 29.882.624.330 707.685.077 578.235.715	74,4% 324 316,277,019	1,814,543,465 37,814 544 67,344,034 7,690,180,413	67,2599576 70,237,045,045 12,040,176,776 12,564,622,715 11,040,136,173 37,040,136,175 37,040,136,175 37,040,145 37,040,145 37,040,145 47,240,678	3,909.681,243 417.813.261 952.371.529 956,364.260 71.6.595.687 1.146.361,393 66.416	67,773,280 74 140,573,080 4410,573,64 12,596,147,264 14,203,880,305 12,083,891,302 30,041,483,280 707,485,671 17R,235,715 66,470 (65,05),238 67,680,675 74,483,5686 74,483,5686	1,146:839.518	76:536-332 11:361:358 5:824.150	1,418,378,679 201,522,318 4,740,197,965	672,243,514	77.653,60 70.971,000,253 12.001,775,115 14.875,465,803 19.704,714,333 36.670,695,865 787.625,77 578,225,77 578,225,75 93,806,545 67,899,615	47,0103,1 47,0103,1 902,314,539 344,533,01 125,937,845 1,951,955,523	77 8 72 7 72 7 72 7 72 7 72 7 7 7 7 7 7

FCA. Rate (Rs./KWn)		2 9726		()
Reference, Rato (Rs./KrVtt)		2.8410		
Avg. Ane (Rs/KWo)	 · · · · · · · · · · · · · · · · · · ·	5.81.36	6.3028	6.1164
Energy Sold (KW+)		13,225,354,533	13.225,254,533	13,225,354,533
EPP (Coargattie) (Rs.)		76.88£,415,425	4,005.426,0G2	80,891,841,547
lost not chargebe to DISCOs (As)		305,826,118	-	365,826,118
Energy Cost (Rs.)		77,192,241,603	4.005,426,062	81,197,667,665





USTED	Annex-II
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Order on water December 1995 with "Delica State of the St	ADJUSTED	ىيىدىنى ئىدىن <u>ئىدىن ئىدىن ئىدىن ئى ئىدىن ئ</u> ىدىن ئىدىن	Annex-II							
	Source Wise	Generation								
	SEPTEMBER 2019									
Sources	Referen	ce	Actual							
	GWh	96	GWh	%						
Hydel	5.736.21	45.75%	5,052.84	37.09%						
Coal	1,528.77	12.19%	2,232.44	16.39%						
HSD		0.00%	-	0.00%						
RFO		0.00%	817.24	6.00%						
Gas/ RLNG	1,943.23	15.50%	1,614.71	11.85%						
RLNG	1,679.93	13,40%	2,868.46	21.06%						
Nuclear	824.07	6.57%	749.28	5.50%						
Import Iran	42.09	0.34%	49.97	0.37%						
Mixed	7.03	0.06%	10.01	0.07%						
Wind	424.14	3.38%	149.69	1.10%						
Baggasse	285.16	2.27%	15.11	0.11%						
Solar	66.43	0.53%	61.61	0.45%						
Total	12,537.06	100.0%	13,621.35	100.0%						
Sale to IPPs	-	0.00%	(12.56)	0.09%						
Transmission Losses	(213.14)	-1.70%	(367.43)	-2.70%						
Net Delivered	12,323.92	98.3%	13,241.36	97.21%						

Son	urce Wise Fuel Co	st/Energy Purchase Pr	rice							
SEPTEMBER 2019										
Sources	Refere	nce	Actual							
-3	Mlns. Rs.	Rs./kWh	Mlns. Rs.	Rs./kWh						
Hydel	-	-		a nanagayayay ayaa yaana yadda adaa adaa aybbaay araa ah a daa ah ah ah ah ah ah ah ah ah ah ah ah a						
Coal ROWER REGU	8,711.19	5.6982	11,960.70	5.3577						
HSD &	1	~								
RFO W NEPRA	P.	-	6,300.81	7.7099						
	7,757.87	3.9923	11,272.84	6.9814						
DING (3)	15,441.11	9.1915	29,164.00	10.1671						
Nuclear Iran	829.60	1.0067	707.49	0.9442						
Import Iran	444.()9	10.5500	578.24	11.5709						
Mixed	71.57	10.1801	67.01	6.6967						
Wind			_							
Baggasse	1,757.10	6.1617	93.81	6.2089						
Solar	-	·		and the second s						
Total	35,012.53	2.7927	60,144.89	4.4155						
Supplemental Charges	-	-	1,966.26	0.1444						
Sale to IPPs		-	(305.83)	(24.3453)						
Grand Total	35,012.53	2.7927	61,805.32	4.5374						
Transmission Losses	_	0.0483		0.1302						
Net Total	35,012.53	2.8410	61,805.32	4.6676						

o Be Published in Official Gazette of Pakistan Part-II

National Electric Power Regulatory Authority



NOTIFICATION

Islamabad, the November 20, 2019

S.R.O. 2413 (I)/2019: – Pursuant to Section 31(7) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 as amended through Regulation of Generation, Transmission and Distribution of Electric Power (Amendment) Act 2011, the National Electric Power Regulatory Authority makes and notifies the following adjustment in the approved tariff on account of variations in fuel charges for the month of September 2019 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

Actual Fuel Charges Component for September 2019	Rs.4.6676/kWh
Corresponding Reference Fuel Charges Component	Rs.2.8410/kWh
Fuel Price Variation for the month of September 2019 -	Rs.1.8266/kWh
Increase	

Note: The Authority has reviewed and assessed an increase of Rs.1.8266/kWh in the applicable tariff for EX-WAPDA DISCOs on account of variation in the fuel charges for the month of September 2019 as per the above details.

2. The above adjustment an increase of Rs.1.8266/kWh shall be applicable to all the consumer categories except lifeline consumers of all the XWDISCOs. The said adjustment shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of September 2019 by the XWDISCOs. XWDISCOs shall reflect the fuel charges adjustment in respect of September 2019 in the billing month of December 2019.

3. While affecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

(Syed Safeer Hussain) Registrar

W.W.