

Mr. Syed Safeer Hussain, Registrar, National Electric Power Regulatory Authority, NEPRA Tower, Attaturk Avenue (East), Sector G-5/1, Islamabad. Ref No. KE/BPR/NEPRA/2021/407 February 16, 2021

Subject: Monthly Cost Variation for the month of January 2021 under Multi-Year Tariff 2017 – 2023

Dear Sir,

This is with reference to the mechanism for monthly and quarterly variations provided in the Multi-Year Tariff Determination of K-Electric Limited (KE) dated July 5, 2018 (MYT), notified vide SRO No. 576 (I)/2019 dated May 22, 2019.

In this regard, please find enclosed calculation of monthly variation for the month of January 2021 along with relevant supports, for Authority's approval. Please note that the calculation for the month of January 2021 is based on CPPA-G's latest fuel cost determined by NEPRA for the month of December 2020 and it is subject to adjustment based on the determination for January 2021 to be issued by NEPRA.

Moreover, fuel cost (own plants) for January 2021 includes impact of GIDC arrears monthly installments billed by SSGC for the month of January 2021 amounting to PKR 762 million (excluding taxes) as per Supreme court order dated November 2, 2020 which is to be passed on to consumers.

Summary of Cost variation for the month January 2021 is as below;

	Month -	Variation Amount Variation per unit (PKR Million) (PKR / kWh)	
-	January-21	2,053 1.978	

KE dispatches as per Economic Merit Order from its own generating units (with the available fuel resources) and import from external sources. It is also certified that the cost of fuel and power purchase claim does not include any amount of late payment surcharge / mark-up / interest. All the requisite details including generation statistic sheets and invoices are enclosed.

Heat Rate

In the MYT, NEPRA determined provisional Heat rates for KE's generating plants and directed KE to conduct fresh Heat rate test for its plants, based on which final Heat rates will be determined by NEPRA.

In this regard, NEPRA has issued its decision on Heat rate for BQPS – II plant on January 1, 2020 and accordingly the calculations are based on Heat rates determined therein.

Further, with respect to Heat Rates of KCCP, SGTPS & KGTPS, NEPRA issued its determination on September 2, 2020 and January 18, 2021 respectively, against which KE has filed review motions. The required adjustment will be incorporated after the final heat rates are determined.

Page 1 of 2

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 www.ke.com.pk
 92-21-3263-7133, 92-21-3870-9132, UAN: 111-537-211



Moreover, Heat rate test of BQPS I Plant has been conducted and Independent Engineers' reports have been submitted to NEPRA. The working for required adjustment will be submitted to NEPRA after determination of final Heat rates of BQPS I based on the test results.

Furthermore, KE would humbly request NEPRA for expeditious processing of pending monthly variations for July 2019 to December 2020 and quarterly tariff variations for the period April 2019 to December 2020.

Sincerely,

Ayaz Jaffar Ahmed

Director - Finance & Regulations

Enclosed:

- Calculation sheet of monthly variation January 2021
- Supporting Documents for January 2021

K Electric Limited

SUMMARY OF REQUIRED ADJUSTMENT ON ACCOUNT OF VARIATION IN COST OF FUEL AND POWER PURCHASES

THE CONTRACT OF THE CONTRACT O	DESCRIPTION	MENTS OF A LINE OF THE STATE OF	Unit	Dec-20	Jan-21
E-MANUTO-COMPONING				Reference	Current
A)	Cost of fuel: Cost of fuel - KE	a	Mill Rs. Mill Rs.	6,201.936 3,346.096	6,834.763 4,397.395
	Cost of fuel - Power Purchases Total	<u></u>	Mill Rs.	9,548.032	11,232.158
B)	Units Sent Out Units Sent Out - KE Units - Power purchases Total	b	GWh GWh	461.414 618.292 1,079.706	447.715 590.225 1,037.940
()	Cost per unit Cost of fuel - KE Cost of fuel - Power Purchases Average	c = a/b	Rs./kWh Rs./kWh Rs./kWh	5.744 3.099 8.843	6.585 4.237 10.822
D)	Variation per unit Cost of fuel - KE Cost of fuel - Power Purchases Total Fuel Cost Adjustment	d	Rs./kWh Rs./kWh Rs./kWh		0.841 1.138 1.978
E)	Total Fuel Cost Adjustment		Ps/kWh	•	197.84
F)	Variation amount Cost of fuel - KE Cost of fuel - Power Purchases Total Fuel Cost Adjustment	e = d x b (total)	Mill Rs. Mill Rs. Mill Rs.		872.736 1,180.735 2,053.47 1

DESCRIPTION		Dec-20	lan-21
		Current	Current
UNITS SENT OUT			
1a UNITS SENT OUT ON FURNACE OIL			
i <u>Bin Qasim - 1</u>			
Unit 1	GWh	11.456	65.23
Unit 2	GWh	24.150	69.7
Unit 3	GWh		-
Unit 4	GWh	-	-
Unit 5	GWh	70.408	8.9
Unit 6	GWh _		54.4
Total units sent out on furnace oil - Bin Qasim - I	GWh	106.013	198.4
1b UNITS SENT OUT ON GAS			
i Bin Qasîm - I			
Unit 1	GWh	-	
Unit 2	GWh		
Unit 3	GWh		
Unit 4	GWh ·	9	
Unit S	GWh	-	÷
Unit 6	GWi ₁	-	
Total units sent out on gas - Bin Qasim - I	GWh		
ii 8in Qasim ii - 560 MW	GWh		
iii Korangi Town Gas Turbine II	GWh	-	
iv Site Gas Turbine II	GWh	-	
v Korangi CCPP	GWh	-	-
Total units sent out on gas - KE	GWh -	=======================================	
1c UNITS SENT OUT ON LNG			
i Bin Qasim - I			
Unit 1	GWh	1.849	0.9
Unit 2	GWh	3.644	10.9
Unit 3	GWs		
Unit 4	G₩ħ	-	
Unit 5	GWh	8,928	0.3
Unit 6	GWh	-	42.9
Total units sent out on LNG - Bin Qasim - I	GWh	12.421	55.7
ii Bin Qasim II - 560 MW	GWh	318.635	133.8
iii Korangi Town Gas Turbine II	GWh	1.826	19.7
iv Site Gas Turbine II	6Wh	0.001	10.5
v Korangi CCPP	GWh	22.519	29.9
Total units sent out on LNG - KE	GWh -	355.401	249.2
Total units sent out KE	GWh _	461,414	447.7
HEAT RATE AT BUS BAR			
i Bin Qasim - I			
Unit 1	8tu/kWh	30 000	10.0
Unit 2		10,802	10,8
Unit 3	8tu/kWh Btu/kWh	10,650	10,6
Unit 4		10,996	10,9
Unit 5	8tu/kWh	10,899	10,
Unit 6	Btu/kWh	10,304	10,3
	Btu/kWh	10,249	10,2
ii Bin Qasim II - 560 MW	Bto/kWh	8,381	8,3
iii Vaeanai Tawa Gas Turbina U			
iii Korangi Town Gas Turbine II iv Site Gas Turbine II	Btu/kWh Btu/kWh	8,738 8,746	8,7 8,7

Work Sheet- Generation Fuel Cost Variation			The state of the s
DESCRIPTION	The second secon	Dec-20	Jan-21
		Current	Current
3 Calorific Value - Furnace Oll	Btu/kg	40,351	40,351
• PURE PRINCIPAL		•	
4 FUEL PRICES	Rs./MM8TU	857	857
4a Fuel Price - Gas	Rs./Mtan	54,463	58,864
4b Fuel Price - Furnace Oil	Rs./MM8TU		1,459
4c Fuel Price - Furnace Oil 4d Fuel Price - LNG	Rs./MMBTU		1,362
4g Pagiring and			
S COST OF FUEL			
5a <u>Furnace oil</u>			•
i Bin Qasim - I	Mill Rs.	167.022	1,028.801
Unit 1	Mill Rs.	347.141	1,083.341
Unit 2	Mill Rs.	347.144	
Unit 3		· .	!
Unit 4	Mill Rs.	020 207	135,201
. Unit S	Mill Rs.	979.207	
Unit 6	Mill Rs.		813.842
Total Cost of Furnace Oil - Bin Qasim - I	Mill Rs.	1,493.370	3,061.185
Sb <u>Gas</u>			
i Bin Qasim - 1			
Unit 1	Mill Rs.	. +	-
Unit 2	Mill Rs.	1.2	
Unit 3	Mili Rs.	1.2	
	Mill Rs.		* *
Unit 4	Mili Rs.		
Unit 5	Mill Rs.		4
Unit 6			
Total Cost of Gas - Bin Qasim - I	Mill Rs.		
ii Bin Qasim II - 560 MW	Mill Rs.	-	- '
iii Korangi Town Gas Turbine II	Mill Rs.	•	-
ly Site Gas Turbine II	Mill Rs.	-	*
v Korangi CCPP	Mill Rs.		
Total Cost of Gas - KE	Mili Rs.		<u> </u>
5c LNG			
i Bin Qasim - I		***	12 502
Unit 1	Mill Rs.	26,213	13.593
Unit 2	Mill Rs.	22.974	159.491
Unit 3	Mili Rs.		-
Unit 4	Mill Rs.	-	-
Unit 5	Mill Rs.	. 120.722	5.531
Unit 6	Mill Rs.	-	598.778
Total Cost of tNG - Bin Qasim - I	Mill Rs.	169,909	777.394
ii 8in Qasim II - 560 MW	Mill Rs.	3,504.439	1,527.585
	Mill Rs.		234.590
iii Korangi Town Gas Turbine II	Mill Rs.		125.301
iv Site Gas Turbine II v Korangi CCPP	Mill Rs.		346.549
Total Cost of LNG - KE	Mili Rs.	3,946.406	3,011.419
GIDC Arrears billed - Note 1		762.160	762.160
	h and m	6 301 076	6 924 753
Total cost of fuel - KE	a Milt Rs	. 6,201.936	6,834.763
6 Variation in Cost of Fuel - KE		AF1 A1A	447.715
6a Units Sent Out - KE	GWh	451.414	
6b Units - Power Purchases	GWh	618.292	
Total Units Sent Out	b GWh	1,079.706	1,037.940
6c Cost per unit	c = a/b Rs./kW	h	6.58\$
6d Variation per unit (Cost of Fuel - KE)	Rs./kW	rh .	0.841

Note 1: Installment of GIDC arrears billed by SSGC in as per Supreme court order dated November 02, 2020. The amount of GIDC will be paid to SSGC when allowed by NEPRA in tariff.

6e Variation amount (Cost of Fuel - KE)

Mill Rs.

Work Sheet- Power Purchase O&M and Capacity Cost

DESCRIPTION	en/en-min-communications	TO THE OWNER OF THE PERSON NAMED AND PARTY.	Dec-20	Jan-21
Charling Colonial Colonial (1994)	***************************************	OFF STATE OF	Neith D. Calantetisk Decorres with the construction for the	A CONTRACTOR OF THE PARTY OF TH
1 POWER PURCHASES				
a KANUPP		GWh	9,308	14.675
b TAPAL		GWh	53.559	60.263
c GULAHMED		GWh	37.999	55.105
d CPPA-G		GWh	364.321	350.907
e ANOUD POWER		GWh		-
f INT IND (IIL)		GWh	3.850	0.643
g FFBL		GWh	40.107	20.471
h SNPC		GWh-	63.747	53.102
I OURSUN CONTRACTOR OF THE PROPERTY OF THE PRO	·	GWh	7.437	7.430
j CPPA-G - 150 MW		GWh	24.511	13.533
k GHARO SOLAR		GWh	7.735	8:033
1 LOTTE		GWh	5.719	6,062
			21, 23	410.04.
TOTAL	*****	GWh	618.292	590.225
2 COST OF POWER PURCHASES - FUEL COST			4	
a KANUPP - Note 1		Mill Rs.	112.674	205.499
b TAPAL		Mill Rs.	662.326	741.514
c GULAHMED		Mill Rs.	489.240	679.902
d CPPA-G - Note 2		Mill Rs.	1.186.703	2,104.073
e ANOUD POWER		Mill Rs.	1,100,700	.,.04.07.
f INT IND (IIL)		Mill Rs.	41.044	6.851
g FFBL		Mili Rs.	265.488	135.508
h SNPC		Mill Rs.	434.139	360.826
j OURSUN		Mill Rs.	454.3.35	300.820
j CPPA-G - 150 MW - Note 2		Mill Rs,	79.839	81.147
k GHARO SOLAR		Mill Rs.	-	01.147
I LOTTE		Mill Rs.	74.643	82.075
		74114 7151	7-7.0-13	02.075
TOTAL		Mill Rs.	3,346.096	4,397,395
			The second secon	
3 FUEL COST / UNIT				
a KANUPP - Note 1		Rs./kwh	12.106	14.003
b TAPAL		Rs./kwh	12.366	12.305
c GULAHMED		Rs./kwh	12.875	12.338
d CPPA-G - Note 2		Rs./kwh	3.257	5.996
e ANOUD POWER		Rs./kwh		-
f INTIND (IIL)		Rs./kwh	10.662	10.657
g FFBL		Rs./kwh	6.620	6.620
h SNPC		Rs./kwh	6.810	6.795
i gursun 😘 💸 💸	-	Rs./kwh		-
j CPPA-G - 150 MW - Note 2		Rs./kiwh	3.257	5.996
k GHARO SOLAR		Rs./kwh	J.237	-
I LOTTE		Rs./kwh	13.052	13.539
		,	22.000	
4 VARIATION IN COST OF FUEL - POWER PURCHASES				
4a Cost of Fuel - Power Purchases	a	Mill Rs.	3,346.096	4,397.395
			•	
Units Sent out:				•
Units Sent Out - KE		GWh	. 461.414	447.715
Units - Power Purchases		.GWh	618.292	590.225
4b Total Units Sent Out	b	GMb.	1 070 704	1 027 040
	J	GWh	1,079.706	1,037.940
4c Cost per unit	c = a/b	Rs./kwh	3.099	4.237
4d Variation per unit (Cost of Fuel - Power Purchases)		Rs./kwh		1.138
4e Variation amount (Cost of Fuel - Power Purchases)		Mili Rs.		1,180.735
			- Canada	, , , , , , , , , , , , , , , , , , ,

Note 1: Kanupp details are provisional for the month of January- $2\vec{1}$ as the invoice for the month is yet to be received.

Note 2: CPPA-G's fuel cost for the month of January 2021 is based on NEPRA's determination of fuel cost for the month of December 2020 (latest determined) as the fuel cost for the month of January 2020 is yet to be determined.

For information & n.a. Please

• SA(Tariff-I) Copy to:

- DG (MA)

CC: Chairman

Ref No. KE/BPR/NEPRA/2021/639 March 17, 2021

Mr. Syed Safeer Hussain,
Registrar,
National Electric Power Regulatory Authority,
NEPRA Tower, Attaturk Avenue (East),
Sector G-5/1,
Islamabad.

Subject: Monthly Cost Variation for the month of February 2021 under Multi-Year Tariff 2017 - 2023

Dear Sir,

This is with reference to the mechanism for monthly and quarterly variations provided in the Multi-Year Tariff Determination of K-Electric Limited (KE) dated July 5, 2018 (MYT), notified vide SRO No. 576 (I)/2019 dated May 22, 2019.

In this regard, please find enclosed calculation of monthly variation for the month of February 2021 along with relevant supports, for Authority's approval. Please note that the calculation for the month of February 2021 is based on CPPA-G's latest fuel cost determined by NEPRA for the month of January 2021 and it is subject to adjustment based on the determination for February 2021 to be issued by NEPRA.

Moreover, fuel cost (own plants) for February 2021 includes impact of GIDC arrears monthly installments billed by SSGC for the month of February 2021 amounting to PKR 762 million (excluding taxes) as per Supreme court order dated November 2, 2020 which is to be passed on to consumers.

Summary of Cost variation for the month February 2021 is as below;

Month 1	Variation Amount (PKR Willion)	Variation per unit (PKR / kWh)
February-21	2,773	2.495

KE dispatches as per Economic Merit Order from its own generating units (with the available fuel resources) and import from external sources. It is also certified that the cost of fuel and power purchase claim does not include any amount of late payment surcharge / mark-up / interest. All the requisite details including generation statistic sheets and invoices are enclosed.

Heat Rate

In the MYT, NEPRA determined provisional Heat rates for KE's generating plants and directed KE to conduct fresh Heat rate test for its plants, based on which final Heat rates will be determined by NEPRA.

In this regard, NEPRA has issued its decision on Heat rate for BQPS – II plant on January 1, 2020 and accordingly the calculations are based on Heat rates determined therein.

Further, with respect to Heat Rates of KCCP, SGTPS & KGTPS, NEPRA issued its determination on September 2, 2020 and January 18, 2021 respectively, against which KE has filed review motions. The required adjustment will be incorporated after the final heat rates are determined.

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Work Sheet-			

Work	k Sheet- Power Purchase O&M and Capacity Cost			ongressor and an arrangement of the conference o	-
oodor 44m	DESCRIPTION		· · · · · · · · · · · · · · · · · · ·	Dec-20	Feb-21
		Continue (Co			
1.2		giva i galagi			1.0
1	POWER PURCHASES			$\partial \hat{\theta} = g^{-\theta}$	
	a KANUPP 77-1984		GWh	9.308	
	b TAPAL		GWh	53.559	61.925
	c GUL AHMED		GWh	37.999	51.696
	d CPPA-G		GWh	364.321	235.422
	e ANOUD POWER		GWh		
	f INT IND (IIL)		GWh	3,850	2.387
	g FFBL		GWh	40.107	36.674
	h SNPC		GWh	63.747	53.036
	i OURSUN		GWh	7.437	7.332
	j CPPA-G - 150 MW		GWh '	24.511	12.998
	k GHARO SOLAR		GWh .	7.735	8.316
	1 LOTTE		GWh	5.719	5.179
	1 EOFIE				
	TOTAL		GWh	618.292	474.966
	TOTAL				
3 .	COST OF POWER PURCHASES - FUEL COST				
		100	Mill Rs.	112.674	
			Mill Rs.	662,326	826.895
	b TAPAL		Mill Rs.	489.240	685.682
	c GULAHMED		Mill Rs.	2.184.505	1,566.263
	d CPPA-G - Note 2		Mill Rs.	2,104.303	1,300.203
	e ANOUD POWER			45.044	25.458
	f INT IND (IIL)		Mill Rs.	41,044	
	g FFBL		Mill Rs.	265.488	345.238
	h SNPC		Mill Rs.	434,139	360.915
	i" OURSUN		Mill Rs.		-
	j CPPA-G - 150 MW - Note 2		Mill Rs.	146.970	86.475
	k GHARO SOLAR		Mill Rs.	-	
	I LOTTE		Mill Rs.	74.643	77.046
	the first term of the first te		•		
	TOTAL		Mill Rs.	4,411.029	3,973.972
3	FUEL COST / UNIT				
	a KANUPP - Note 1		Rs./kwh	12.106	
	b TAPAL		Rs./kwh	12.366	13.353
	c GUL AHMED		Rs./kwh	12.875	13.264
	d CPPA-G - Note 2		Rs./kwh	5.996	6.653
	e ANOUD POWER		. Rs./kwh	•	
	f : INT IND (IIL)		Rs./kwh	10.662	10.665
	g FFBL		Rs./kwh	6.620	9.414
	h SNPC		Rs./kwh	6.810	6.805
	i. OURSUN		Rs./kwh	·	-
	CPPA-G - 150 MW - Note 2		Rs./kwh	5.996	6.653
	k. GHARO SOLAR		Rs./kwh		
	1 LOTTE		Rs./kwh	13.052	14.877
	Lone		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2017011	-
4	VARIATION IN COST OF FUEL - POWER PURCHASES				
4	AMERICA IN COST OF TOLE-TOWER PORCHASES				
	4a Cost of Fuel - Power Purchases	a	Mill Rs.	4,411.029	3,973.972
	4a Most of Fact - Lower Edictidates	c	igijit 113.	,,711,023	-,-,-,-
	Unite Cont out	4			
	Units Sent out:		GWh	461.414	636.809
•	Units Sent Out - KE		GWh	618.292	474,966
	Units - Power Purchases		GAAU	010.232	474.500
	Ab. Tatalitiate Comb Comb	t _h	CME	1,079.706	1,111.775
	4b Total Units Sent Out	þ	GWh	1,079.706	1,111.//3
		20	n #		A 21 MA
	4c Cost per unit	c = a/b	Rs./kwh	4.085	3.574
	4d Variation per unit (Cost of Fuel - Power Purchases)		Rs./kwh		(0.511)
					(500.072)
	4e Variation amount (Cost of Fuel - Power Purchases)		Mill Rs.	.	(568.073)

Note 1. Kanupp details are provisional for the month of February-21 as the invoice for the month is yet to be received.

Note 2: CPPA-G's fuel cost for the month of February 2021 is based on NEPRA's determination of fuel cost for the month of January 2021 (latest determined) as the fuel cost for the month of February 2021 is yet to be determined. Further, CPPA-G's cost for the month of December 2020 has been updated based on NEPRA's determination

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CC: Chelman E W (Tarkn)



Mr. Syed Safeer Hussain, Registrar, National Electric Power Regulatory Authority, NEPRA Tower, Attaturk Avenue (East), Sector G-5/1, Islamabad.

Ref No. KE/BPR/NEPRA/2021/855 April 14, 2021

Subject: Monthly Cost Variation for the month of March 2021 under Multi-Year Tariff 2017 - 2023

Dear Sir,

This is with reference to the mechanism for monthly and quarterly variations provided in the Multi-Year Tariff Determination of K-Electric Limited (KE) dated July 5, 2018 (MYT), notified vide SRO No. 576 (I)/2019 dated May 22, 2019.

In this regard, please find enclosed calculation of monthly variation for the month of March 2021 along with relevant supports, for Authority's approval. Please note that the calculation for the month of March 2021 is based on CPPA-G's latest fuel cost determined by NEPRA for the month of February 2021 and it is subject to adjustment based on the determination for March 2021 to be issued by NEPRA.

Moreover, fuel cost (own plants) for March 2021 includes impact of GIDC arrears monthly installments for the month of March 2021 amounting to PKR 762 million (excluding taxes) as per Supreme court order dated November 2, 2020 which is to be passed on to consumers.

Summary of Cost variation for the month March 2021 is as below;

Month	Variation Amount (PKR Million)	Variation per unit (PKR / kWh)
March-21	2,348	1.497

KE dispatches as per Economic Merit Order from its own generating units (with the available fuel resources) and import from external sources. It is also certified that the cost of fuel and power purchase claim does not include any amount of late payment surcharge / mark-up / interest. All the requisite details including generation statistic sheets and invoices are enclosed.

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Page 1 of 2





Moreover, Heat rate test of BQPS I Plant has been conducted and Independent Engineers' reports have been submitted to NEPRA. The working for required adjustment will be submitted to NEPRA after determination of final Heat rates of BQPS I based on the test results.

Furthermore, KE would humbly request NEPRA for expeditious processing of pending monthly variations for June 2020 to February 2021 and quarterly tariff variations for the period April 2020 to December 2020.

Sincerely,

Ayaz Jaffar Ahmed

Director - Finance & Regulations

Enclosed:

- Calculation sheet of monthly variation March 2021
- Supporting Documents for March 2021

<u>Electric Limited</u> UMMARY OF REQUIRED ADJUSTMENT ON ACCOUNT OF VARIATION IN COST OF FUEL AND POWER PURCHASES

	DESCRIPTION		Unit	Dec-20	Mar-21
765000000000000000000000000000000000000				Reference	Current
i)	Cost of fuel:	,	ee:		
	Cost of fuel - KE		Mill Rs.	6,201.936	12,467.377
	Cost of fuel - Power Purchases	<u>.</u> a	Mill Rs.	4,411.029	5,299.675
	Total	:	Mili Rs.	10,612.965	17,767.052
4)	Units Sent Out				
•	Units Sent Out - KE	:	GWh	461.414	843.050
	Units - Power purchases	l p	GWh _	618.292	725.620
	Total		GWh	1,079.706	1,568.671
:)	Cost per unit				
7	Cost of fuel - KE		Rs./kWh	5.744	7.948
	Cost of fuel - Power Purchases	c = a/b	Rs./kWh	4.085	3,378
	Average	, , , ,	Rs./kWh	9.829	11.326
	Ç	<u>L</u>	ani .		-
)	Variation per unit	ann ann an ann an ann an ann an ann an a	\$T**/y		
	Cost of fuel - KE		Rs./kWh		2.204
	Cost of fuel - Power Purchases	d	Rs./kWh		(0.707)
	Total Fuel Cost Adjustment		Rs./kWh	=	1,497
Ξ)	Total Fuel Cost Adjustment		Ps/kWh		149.67
<u>=</u>)	Variation amount				
•	Cost of fuel - KE	,	Mill Rs.		3,456.783
	Cost of fuel - Power Purchases	e = dx	Mill Rs.		(1,108.969)
	Total Fuel Cost Adjustment	b (total)	Mill Rs.	•	2,347.814

Work Sheet- Generation Fuel Cost Variation

DESCRIPTION		Dec-20	Mar-21
		Reference	Current
UNITS SENT OUT			
La UNITS SENT OUT ON FURNACE OIL			
Bin Qasim - I			
Unit 1	GWh	11.456	81.13
Unit 2	GWh	24,150	63.80
Unit 3	GWh	-	-
Unit 4	GWh	,,	_
Unit 5	GWh	70.408	84.17
		70.405	
Unit 6	GWh GWh		63.43
Total units sent out on furnace oil - Bin Qasim - I	GAAN	106.013	292.5
16 UNITS SENT OUT ON GAS			
Bin Qasim - I			
Unit 1	GWh	•	0.3
Unit 2 4	GWh		0.3
Unit 3	GWh	_	-
Unit 4	GWh		,
Unit 5	GWh	-	3.7
		-	
Unit 6	GWh _	-	30.7
Total units sent out on gas - Bin Qasim - I	GWh	•	15.1
ir Bin Qasim li - 560 MW	GWh		93.1
ili Korangi Town Gas Turbine II	GWh	•	10.0
iv Site Gas Turbine II	GWh		5.1
v Korangi CCPP	GWh	-	17.1
Total units sent out on gas - KE	GWh	*	140.6
1c UNITS SENT OUT ON LNG			
Bin Casim - 1			
Unit 1	GWh	1.849	0.7
Unit 2	GWh	1.544	0.6
Unit 3	GWh	-	
Unit 4	GWh	*	_
Unit 5	GWh	8.928	7.9
Unit 6	6Wh	0.320	22.9
Total units sent out on LNG - Bin Qasim - I	GWh	12.421	32.7
к Bin Qasim II - 560 MW	GWh	318.635	270.7
iii Korangi Town Gas Turbine II	GWh	1.826	29.5
iv Site Gas Turbine II	GWh	0.001	1 6 .6
v Korangi CCPP	GWh	22.519	60.6
Total units sent out on LNG - KE	GWh	355.401	409.8
Total units sent out KE	GWh	461.414	843.0
HEAT RATE AT BUS BAR			
Bin Qasim - 1	par dare	10.922	201
Unit 1	Btu/kWh	10,802	10,8
Unit 2	8tu/kWh	10,650	10,6
Unit 3	8tu/kWh	10,996	10,9
Unit 4	6tu/kWh	10,899	10,8
Unit 5	Btu/kWh	10,304	10,3
Unit 6	8tu/kWh	10,249	10,2
li Bin Qasim II - 560 MW	8tu/kWh	8,381	8,3
III Korangi Town Gas Turbine II	Btu/kWh	8,738	8.3
iv Site Gas Turbine II	Btu/kWh	8,746	8,7
v Korangi CCPP	Btu/kWh	8,497	8,4

Work Sheet- Generation Fuel Cost Variation

	DESCRIPTION		Dec-20	Mar-21
		•	Reference	Current
	Calorific Value - Furnace Oil	Btu/kg	40,351	40,351
	FILE DOVCES			
ļ	FUEL PRICES 4a Fuel Price - Gas	Rs./MM8TU	857	857

	4b Fuel Price - Furnace Oil	Rs./Mton	54,463	72,507
	4c Fuel Price - Furnace Oil	Rs./MMBTU	1,350	1,797
	4d Fuel Price - LNG	Rs./MMBTU	1,312	1,451
5	COST OF FUEL			
	5a Furnace oil			
	i Bin Qasim - I			
	Unit 1	Mili Rs.	167.022	1,574.918
	Unit 2	Mili Rs.	347.141	1,220,980
	Unit 3	Mili Rs.	-	*
	Unit 4	Mili Rs.	*	-
	Unit 5	Mill Rs.	979.207	1,558.572
	Unit 6	Mill Rs.	_	1,168.205
	Total Cost of Furnace Oil - Bin Qasim - I	Mili Rs.	1,493.370	5,522.676
				
	5b <u>Gas</u>			
	Bin Qasim - 1			
	Unit 1	Mill Rs.	-	3.139
	Unit 2	Mill Rs.		2.742
	Unit 3	Mill Rs.	-	-
	Unit 4	Mill Rs.	-	-
	Unit 5	Mili Rs.		32.907
	Unit 6	Mill Rs.		94.406
	Total Cost of Gas - Bin Qasim - I	Mill Rs.	•	133.194
	ií Bin Qasim II - 560 MW	Mill Rs.		668.839
	iii Korangi Town Gas Turbine II	Mill Rs.		75.279
	*	Mill Rs.		
	iv Site Gas Turbine II v Korangi CCPP	Mili Rs.	-	38,809 125,008
	Total Cost of Gas - KE	Mill Rs.	-	1,041.129
	** 1 *1**			
	5c LNG			
	Bin Qasim - I	A CHAIN	20.002	
	Unit 1	Mill Rs.	26.213	11.424
	Unit 2	Mill Rs.	22.974	9.979
	Unit 3	MIII Rs.	-	-
	Unit 4	Mill Rs.	-	-
	Unit 5	Mill Rs.	120.722	119.749
	Unit 6	Mill Rs.	-	343.550
	Total Cost of LNG - Bin Qasim - I	Mill Rs.	169.909	484.702
	ii Bin Qasim II - 560 MW	Mill Rs.	3,504,439	3,313.769
	iii Korangi Town Gas Turbine It	MID Rs.	20.939	377.425
	iv Site Gas Turbine II	Mill Rs.	0.013	
	v Korangi CCPP	Mill Rs.	251.106	212,352 753,186
	Total Cost of LNG - KE	Mill Rs.	3,946.406	5,141.413
	GIDC Arrears billed - Note 1		762,150	762,160
	Total cost of fuel - KE	a Mill Rs.	6,201.936	12 467 77
	Total cost of fuel - KE	a Mill Rs.	0,201,930	12,467.37
6	Variation in Cost of Fuel - KE		***************************************	585 8**
	6a Units Sent Out - KE	GWh	451.414	843.050
	6b Units - Power Purchases Total Units Sent Out	GWh b GWh	1,079.706	725.620 1,568.67
	6c Cost per unit	c = a/b Rs./kWh	5.744	7.948
	6d Variation per unit (Cost of Fuel - KE)	Rs./kWh	W. 174	2.204

	6e Variation amount (Cost of Fuel - KE)	Mill Rs.		3,456.783

Note 1: Installment of GIDC arrears, as per Supreme court order dated November 02, 2020. The amount of GIDC will be paid to SSGC when allowed by NEPRA in tariff.

DESCRIPTION			Dec-20	Mar-21
POWER PURCHASES				
a KANUPP		GWh	9.308	15.805
5 TAPAL		GWh	53.559	70.935
c GULAHMED		GWh	37.999	63.407
d CPPA-G		GWh	364.321	421.762
e ANOUD POWER		GWh		-
f INT IND (IIL)		GWh	3.850	6.355
		GWh	40.107	40.611
52		GWh	63.747	64.528
h SNPC		GWh	7.437	8.820
(OURSUN				
J CPPA-G - 150 MW		GWh	24.511	18.768
k GHARO SOLAR		GWh	7.735	10.561
I LOTTE		GWh	5.719	4.067
TOTAL		GWh	618.292	725.620
COST OF BOWER BURGHASES ESSEL COST				
2 COST OF POWER PURCHASES - FUEL COST a KANUPP - Note 1		Mill Rs.	112.674	221.828
b TAPAL		Mill Rs.	662.326	1,058.069
c GULAHMED		Mill Rs.	489,240	952.481
		Mill Rs.	2,184.505	2,017.288
d CPPA-G - Note 2				
e ANOUD POWER		Mili Rs.	-	· · · · · · · · · · · · · · · · · · ·
f INT IND (IIL)		Mili Rs.	41.044	67.74
g FFBL		Mill Rs.	265.488	382.30
h SNPC		Mill Rs.	434.139	441.12
i OURSUN		Mill Rs.	-	-
j CPPA-G - 150 MW - Note 2		Mill Rs.	146.970	89.76
k GHARO SOLAR		Mill Rs.	•	-
LOTTE		MIB Rs.	74.643	59.07
JATOT		Mill Rs.	4,411.029	5,299.67
3 FUEL COST / UNIT				
a KANUPP · Note 1		Rs./kwh	12.106	14.03
		Rs./kwh	12.366	15.05
b TAPAL				
c GUL AHMED		Rs./kwh	12.875	15.02
d CPPA-G - Note 2		Rs./kwh	5.996	4.78
e ANOUD POWER		Rs./kwh	=	=
f INT IND (IIL)		Rs./kwh	10.662	10.65
g FFBL		Rs./kwh	6.620	9.41
h SNPC		Rs./kwh	5.810	6.83
E OURSUN		Rs./kwh	-	
		Rs./kwh	5.996	4.78
j CPPA-G - 150 MW - Note 2		Rs./kwh	3.534	4.70
k GHARO SOLAR I LOTTE		Rs./kwh	13.052	14.52
4 VARIATION IN COST OF FUEL - POWER PURCHASES				
4a Cost of Fuel - Power Purchases	a	Mill Rs.	4,411.029	5,299.67
Units Sent out:		CMb	AC4 #4#	042.0
Units Sent Out - KE		GWh	461.414	843.0
Units - Power Purchases		GWh	618.292	725.6
4b Total Units Sent Out	ь	GWh	1,079.706	1,568.6
4c Cost per unit	c = a/b	Rs./kwh	4.085	3.3
4d Variation per unit (Cost of Fuel - Power Purchases)		Rs./kwh		. (0.70
		Mill Rs.	-	(1,108.9

Note 1: Kanupp details are provisional for the month of March-21 as the invoice for the month is yet to be received.

Note 2: CPPA-G's fuel cost for the month of March 2021 is based on NEPRA's determination of fuel cost for the month of February 2021 (latest determined) as the fuel cost for the month of March 2021 is yet to be determined. Further, CPPA-G's cost for the month of December 2020 has been updated based on NEPRA's determination

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For information & n.a. Please

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• SA(Tariff-I)

Mr. Syed Safeer Hussain, Registrar, Copy to: - DG (M&E) - M/F

CC: Chan NonKE/BPR/NEPRA/2021/1022
- M (Tariff) May 7, 2021

National Electric Power Regulatory Authority, NEPRA Tower, Attaturk Avenue (East),

Sector G-5/1.

Islamabad.

Subject: Monthly Cost Variation for the month of April 2021 under Multi-Year Tariff 2017 – 2023

Dear Sir,

This is with reference to the mechanism for monthly and quarterly variations provided in the Multi-Year Tariff Determination of K-Electric Limited (KE) dated July 5, 2018 (MYT), notified vide SRO No. 576 (I)/2019 dated May 22, 2019.

In this regard, please find enclosed calculation of monthly variation for the month of April 2021 along with relevant supports, for Authority's approval. Please note that the calculation for the month of April 2021 is based on CPPA-G's latest fuel cost determined by NEPRA for the month of February 2021 and it is subject to adjustment based on the determination for April 2021 to be issued by NEPRA.

Moreover, fuel cost (own plants) for April 2021 includes impact of GIDC arrears monthly installments for the month of April 2021 amounting to PKR 762 million (excluding taxes) as per Supreme court order dated November 2, 2020 which is to be passed on to consumers.

Summary of Cost variation for the month April 2021 is as below;

Month	Variation Amount (PKR Million)	Variation per unit (PKR / KWh)
April-21	(1,606)	(0.869)

KE dispatches as per Economic Merit Order from its own generating units (with the available fuel resources) and import from external sources. It is also certified that the cost of fuel and power purchase claim does not include any amount of late payment surcharge / mark-up / interest. All the requisite details including generation statistic sheets and invoices are enclosed.

Heat Rate

In the MYT, NEPRA determined provisional Heat rates for KE's generating plants and directed KE to conduct fresh Heat rate test for its plants, based on which final Heat rates will be determined by NEPRA.

In this regard, NEPRA has issued its decision on Heat rate for BQPS – If plant on January 1, 2020 and accordingly the calculations are based on Heat rates determined therein.

Further, with respect to Heat Rates of KCCP, SGTPS & KGTPS, NEPRA issued its determination on September 2, 2020 and January 18, 2021 respectively, against which KE has filed review motions. The required adjustment will be incorporated after the final heat rates are determined.

Page 1 of 2



KE House, 39-B, Sunset Boulevard, Phase-II, Defence Housing Authority, Karachi
 www.ke.com.pk
 92-21-3263-7133, 92-21-3870-9132, UAN: 111-537-211





Moreover, Heat rate test of 8QPS I Plant has been conducted and Independent Engineers' reports have been submitted to NEPRA. The working for required adjustment will be submitted to NEPRA after determination of final Heat rates of BQPS I based on the test results.

Furthermore, KE would humbly request NEPRA for expeditious processing of pending monthly variations for June 2020 to March 2021 and quarterly tariff variations for the period April 2020 to March 2021.

Sincerely,

Ayaz Jaffar Ahmed

Director - Finance & Regulations

Enclosed:

- Calculation sheet of monthly variation April 2021
- Supporting Documents for April 2021

K Electric Limited SUMMARY OF REQUIRED ADJUSTMENT ON ACCOUNT OF VARIATION IN COST OF FUEL AND POWER PURCHASES

	DESCRIPTION		Unit	Mar-21	Apr-21
Ra rameters	TO THE CONTROL OF THE	kt bis is en de zeiten bereit in der		Reference	Current
A)	Cost of fuel:				
	Cost of fuel - KE		Mill Rs.	12,467.377	13,234.430
	Cost of fuel - Power Purchases	a	Mill Rs.	5,299.675	6,099.751
	Total		Mill Rs.	17,767.052	19,334.181
B)	Units Sent Out				
	Units Sent Out - KE	,	GWh	843.050	953.764
	Units - Power purchases	, b	¦ GWh .	725.620	895.041
	Total		GWh :	1,568.671	1,848.804
	Cost per unit				
	Cost of fuel - KE	***************************************	Rs./kWh	7.948	7.158
	Cost of fuel - Power Purchases	c = a/b	Rs./kWh	3,378	3.299
	Average		Rs./kWh	11.326	10.458
D)	Variation per unit				
- /	Cost of fuel - KE	planting in the second	Rs:/kWh		(0.789)
	Cost of fuel - Power Purchases	ı d	Rs./kWh		(0.079)
	Total Fuel Cost Adjustment	Ann and a polymer and a polyme	Rs./kWh	-	(0.869)
E)	Total Fuel Cost Adjustment		Ps/kWh	-	(86.85)
F)	Variation amount				
,	Cost of fuel - KE		Mill Rs.		(1,459.376)
	Cost of fuel - Power Purchases	e = d x	Mill Rs.		(146.342)
		b (total)	Mill Rs.	-	(1,605.718)
	Total Fuel Cost Adjustment		Mill Rs.	=	(1,60

DESCRIPTION	<u></u>	Mar-21	Apr-21
		Reference	Current
UNITS SENT OUT			
1a UNITS SENT OUT ON FURNACE OIL			
Bin Qasim - I			
Unit 1	GWn	81.139	40.6
Unit 2 Unit 3	GWh GWh	63.802	23.4
Unit 4			
Unit 5	GWh GWh		41.8
Unit 6		84,178	
Total units sent out on furnace oil - Bin Qasim - I	GWA GWh	63.433 292.55 1	17.9
total units sent out on rumace oil - 6sh Qasim - 1	GWn	292.551	123.8
16 UNITS SENT OUT ON GAS			
Bin Casim - i			
Unit 1	GWr.	0.339	16.2
Unit 2	GWh	0.300	21.3
Unit 3	GWn		
Unit 4	5Wh		
Unit 5	GWh	3.726	29.0
Unit 6	GWh	10.748	25.8
Total units sent out on gas - Bin Qasim - I	GWh	15.114	83.5
8 Bin Qasim il - 560 MW	@Wh	93.123	95.0
iii Korangi Town Gas Turbine II	GWh	10.053	10.3
iv Site Gas Turbine 18	GWh	5 178	6.6
v Korangi CCPP	GWh	17.167	24.2
. 10000 81000	0441-	17.107	29.2
Total units sent out on gas - KE	GWh `	140.635	219.7
14 UNITS SENT OUT ON ING			
Bin Qasim - I			
Unit 1	GWb	0.724	49.3
Unit 2	G Wh	0.641	54.1
Unit 3	GWh		
Ueit ≄	GWh		
Upit 5	GW ^A	7.957	60 :
Unit 6	GWh	22.950	78.3
Total units sent out on LNG - Bin Qasim - (GWh	32.272	253.
ii Bjo Qasim II - 560 MW	SWh	0 mm m r s	110
iii: Korangi Tolwn Gas Torbine 'I	GWh	270.711	248.
iv Site Gas Turbine II		29 572	26.5
v Koranaj CCPP	GWh GWh	16.622	17.0
A VOLSUS I CONS	(2,10),2	888 06	62.
Total units sent out on LNG - KE	GWh	409.864	607.6
1d UNITS SENT OUT ON HSD			
F Xorang: CCPP - 220 MW	GWh	•	Ž.4
Total units sent out on HSD	GWh	•	2.
Total units sent out KE	GWh	843.050	953.
HEAT RATE AT BUS BAR			
i Bin Casim - I			
Unit 1	Btu/kWh	10,802	10,
Unit 2	Btc/kWh	10,650	10,
Unit 3	Btu/kWh	10,995	10,
Unit 4	Btu/kWh	10,899	10,
Unit 5	Btu/kWh	10,304	10,
	Btu/kWh	10,249	10,
	OCU/ SAVII	8,381	
Unit 6	Den /Stall		3,
Unit 6 3 Bin Qasim II - 560 MW	Btu/kWh Bec/ewos		· .
Unit 6 3-8in Qasim II - 560 MW III: Korangi Town Gas Turbine it	Btu/kWh	8,738	
Unit 6 3: Bin Qasim II - 560 MW III Korangi Yown Gas Turpine II V Site Gas Turbine II	Btu/kWh Btu/kWh	8,738 8,746	8, 8,
Unit 6 3-8in Qasim H - 560 MW iii: Korangi Town Gas Turbing ii	Btu/kWh	8,738	

Work Sheet- Generation Fuel Cost Variation

DESCRIPTION	·····	Mar-21	Apr-21
		Reference	Current
Calorific Value - Furnace Oil	Btu/	kg 40.351	40.351
FUEL PRICES 4a Fuet Price - Gas	Rs./MN	ивти 857	857
46 Fuel Price - Gas 46 Fuel Price - Furnace Oil	Rs./M		
4c Fuel Price - Furnace Oil	R5./MA		
4d Fuel Price - LNG	Rs./Mt		
4e Puel Price - HSD	Rs./MI		2,720
COST OF FUEL			
5a <u>Furnace oil</u>			
i Bin Gasim - 1			
Unit 1	Mill		
Unit 2	Mift Mitt		
Unit 3 Unit 4	Will Mill		
Unit 5	Mill		
Unit 6	Mili		
Total Cost of Furnace Oil - Bin Qasim - I	Mill		
Sib <u>Gas</u>			
Bin Qasim - I		_	
Unit 1	EM.		
Unit 2	Mili		
Unit 3	Mil		
Unit 4	Mdi		
Unit 5	₩M IRM		
Unit 5 Total Cost of Gas - Bin Qasim - !	Milk		
ii Bin Qasim II - 560 MW	M:JS	Rs. 668.839	9 682.61
iii Korangi Town Gas Turbine II	Mill		
v Site Gas Turbine II	Mill		
v Korangi CCPP	Mill		
Total Cost of Gas · KE	Mill	Rs. 1,041.12	1,735.99
Se LNG			
Bin Qasim - i			
Unit 1	Mili		
Unit 2	Miil		9 1,0C5.G8
Upa 3	MH		
Unit 4	Mis		
Unit 5	Mili		
Unit 6 Total Cost of LNG - Bin Qasim - E	Mile N#N		
9 Bin Qasim II - 560 MW	Mi	Rs. 3,313.76	9 3,030.18
lii. Korangi Town Gas Turbine 8		IRs. 377 42	
v Site Gas Turbine R	Mil		
v Korangi CCPP	Mil		
Total Cost of UNG - KE	Mil	Rs. 5,141.41	3 8,224.0
5d <u>H5D</u>			
: Korangi CCPP - note 2	t/mi	i Rs.	52.9
Fotal Cost of HSD - KE	Mil	Rs.	52.9
GIDC Arrears billed - Note 1		762.16	0 762.16
Total cost of fuel - KE	a Mil	I Rs. 12,467.37	7 13,234,4
Variation in Cost of Fuel - KE			
6a Units Sent Out - KE.		Wr. 843.05	
6b Units - Power Purchases Total Units Sent Out		Wh 725.62 Wh 1,568.67	
6c. Cast per unit		kWh 7.94	
6d Variation per unit (Cost of Fuel - KE)	Řs./	'kWh	{0.7

Note 1: Installment of GIDC arrears billed by SSGC in as per Supreme court order dated November 02, 2020. The amount of

Note I: installment of lotte areas billed by salt in as per supremit court order dates individually amount or GBDC will be paid to SSGC when allowed by NEPRA in traiff.

Note 2: KE has commissioned HSD fuel on Korangi CCPP plant. In this regard, NEPRA is requested to allow fuel cost incurred during comissioning of plant on HSD on actual basis. Moreover, it is further requested to provisionally allow cost of generation on HSD at actual, till the heat rate test is conducted and any adjustment pursuant to final determination will be made with effect from May 2021.

SANUPR	DESCRIPTION			Mar-21	Apr-21
GWh				Reference	Current
GWh					
D TAPAL GWh					
C GULAHMED				15.805	17.145
GWh 421.762 597.90			GWh	70.936	62.760
E. ANDUD POWER GWh G.355 S.30 S.FEBL GWh G.356 S.FEBL GWh G.356 S.FEBL GWh G.357 S.FEBL GWh G.356 S.FEBL GWh GWh G.356 S.FEBL GWh GWh G.356 S.FEBL GWh G.356 S.FEBL GWh G.356 S.FE	c GULAHMED		GWh:	63.407	55.510
f INT IND (ILL) g FFBL GWh GWh GA528 GFBL GWh GWh GA528 GRWh GA528 GRWh GA528 GRWh GRWh GRWh GRWh GRWh GRWh GRWh GRWh	d CPPA-G		GWh	421.762	597.902
FRI	e ANOUD POWER		GWh		
FRIL	f INTINO (III.)		GWh	6.355	5.309
N SNPC	e ff8L		GWh		
OURSUN GWh 8,820 8,67 1,676 1,686 1,686 1,687	9				
j CPPA-G - 150 MW					
COST OF POWER PURCHASES - FUEL COST SWh 10.561 10.97 10.77 10.77 10.77 10.77 10.88					
LOTTE	•				
COST OF POWER PURCHASES - FUEL COST A KANUPP - Note 1					
COST OF POWER PURCHASES - FUEL COST	LOTTE		GWh	4.057	7.54
a KANDEP - Note 1 b TAPAL b TAPAL c GUL AHMED d MIIR Rs. 1,068.069 1,066.86 c GUL AHMED d MIIR Rs. 952.451 899.26 d CPPA-G - Note 2 d ANOUD POWER f MT IND (IIIL) MIIR Rs. 67.740 565.55 g FFBL MIIR Rs. 322.300 369.95 h SNPC MIIR Rs. 59.769 103.05 h GHARO SOLAR MIIR Rs. 59.769 103.05 h GHARO SOLAR MIIR Rs. 59.769 103.05 h GHARO SOLAR MIIR Rs. 59.079 109.25 h TOTAL MIIR Rs. 59.079 109.25 h TOTAL MIIR Rs. 59.079 109.25 h GHARO SOLAR MIIR Rs. 59.079 109.25 h TOTAL MIIR Rs. 59.079 109.25 h GHARO SOLAR MIIR Rs. 10.00 h	TOTAL		GWh	725,620	895.04
a KANDEP - Note 1 b TAPAL b TAPAL c GUL AHMED d MIIR Rs. 1,068.069 1,066.86 c GUL AHMED d MIIR Rs. 952.451 899.26 d CPPA-G - Note 2 d ANOUD POWER f MT IND (IIIL) MIIR Rs. 67.740 565.55 g FFBL MIIR Rs. 322.300 369.95 h SNPC MIIR Rs. 59.769 103.05 h GHARO SOLAR MIIR Rs. 59.769 103.05 h GHARO SOLAR MIIR Rs. 59.769 103.05 h GHARO SOLAR MIIR Rs. 59.079 109.25 h TOTAL MIIR Rs. 59.079 109.25 h TOTAL MIIR Rs. 59.079 109.25 h GHARO SOLAR MIIR Rs. 59.079 109.25 h TOTAL MIIR Rs. 59.079 109.25 h GHARO SOLAR MIIR Rs. 10.00 h	COST OF POWER PURCHASES - FUEL COST				
b TAPAL c GUL AHMED d CPA-G · Note 2 ANOUD POWER ANOUR POWER ANOUP POWER ANOUP POWER ANOUP POWER ANOUP POWER ANOUP POWER ANOUR			Mill Rs.	221.828	227.56
C GULAHMED MIII Rs. 2,017,288 2,859,76 MIII Rs. 4,122 467,36 FIRL MIII Rs. 32,300 369,91 MIII Rs. 41,122 467,36 GURSUN MIII Rs. 9,769 103,00 GURSUN FUEL COST / UNIT A KANUPP - Note 1 MIII Rs. 5,299,675 6,099,75	5 TAPAL		Mill Rs.	1,068.069	1,006.86
CPPA-G - Note 2	c GULAHMED		Mill Rs.		899.26
Mill Rs. 67.740 56.55 FFBL Mill Rs. 67.740 56.55 FFBL Mill Rs. 382.300 369.95 h SNPC Mill Rs. 382.300 369.95 h SNPC Mill Rs. 441.122 467.38 Mill Rs. 441.122 467.38 Mill Rs. 441.122 467.38 Mill Rs. 67.740 56.55 GURSUN Mill Rs. 67.740 36.95 GURSUN GURSUN 67.740 36.95	d CPPA-G - Note 2		Mill Rs.		
f INT IND (IIL) g FF8L Mill Rs. 382300 36995 i OURSUN DURSUN MIIRs. 441122 467.88 i OURSUN MIIRs. 89.769 103.05 k GHARO SOLAR MIIRs. 59.079 109.25 TOTAL MIIRs. 5,299.675 6,099.75 B FUEL COST / UNIT a ¼ANUPP Note 1 Rs./kwh 15.057 16.05 c GUL AHMED d CPPA-G - Note 2 Rs./kwh 15.027 16.05 d CPPA-G - Note 2 Rs./kwh 15.027 16.05 d CPPA-G - Note 2 Rs./kwh 15.057 10.659 i INT IND (IIL) RS./kwh 10.659 10.66 g FF8L β S./kwh 9.414 9.41 h SNPC β S./kwh 9.414 9.41 h SNPC RS./kwh 10.659 10.66 g FF8L RS./kwh 10.650 10.66 g FF8L RS./kwh	e ANOUD POWER				
g FFBL Mill Rs. 322.300 369.95 h SNPC Mill Rs. 441.122 467.36 i OURSUN Mill Rs. 441.122 467.36 i OURSUN Mill Rs. 99.769 103.05 k GHARG SOLAR Mill Rs. 59.769 103.05 k GHARG SOLAR Mill Rs. 59.079 109.25 TOTAL Mill Rs. 5.299.675 6,099.75 TOTAL Mill Rs. 5.299.675 6,099.75 FUEL COST / UNIT a KANUAP - Note 1 Rs./kwh 14.035 13.21 b TAPAL Rs./kwh 15.057 16.04 c GUL AFMED Rs./kwh 15.057 16.04 c CPPA-G - Note 2 Rs./kwh 4.783 4.76 e ANOUD POWER RS./kwh 10.659 10.66 g FFBL Rs./kwh 10.659 10.66 g FFBL Rs./kwh 9.414 9.41 h SNPC Rs./kwh 6.836 6.83 i OURSUN Rs./kwh 6.836 6.83 i OURSUN Rs./kwh 4.783 4.76 i CPPA-G - 150 MW - Note 2 Rs./kwh 4.783 4.76 k GHARG SOLAR RS./kwh 14.526 14.46 Units Sent Out RE RS./kwh 14.526 14.46 VARIATION IN COST OF FUEL - POWER PURCHASES 4a Cost of Fuel - Power Purchases GWh 725.620 895.0 4b Total Units Sent Out B GWh 1.568.671 1.848.8 4c Cost oper unit Cost of Fuel - Power Purchases) 4c Cost oper unit Cost of Fuel - Power Purchases) Rs./kwh 3.378 3.27 Rs./kwh 3.378 3.27					
No.	(11-1)				
i OURSUN i Mill Rs.	-				
j CPPA-G - 150 MW - Note 2 Mili Rs. 89.769 103.05 k GHARO SOLAR Mili Rs					
K GHARO SOLAR Mill Rs. 59.079 109.25 TOTAL Mill Rs. 59.079 109.25 TOTAL Mill Rs. 5,299.675 6,099.75 FUEL COST / UNIT					
LOTTE				89.769	103.09
TOTAL Mill Rs. 5.299.675 6,099.75 FUEL COST / UNIT				-	-
FUEL COST / UNIT	LOTTE		Mill Rs.	59.079	109.25
a KANUPP Note 1 b TAPAL c GUL APMED c GUL APMED d CPPA-G Note 2 e ANOUD POWER f INT IND (IIL) g FFBL h SNPC C GURSUN GHARO SOLAR I CPPA-G - 150 MW - Note 2 RS./kwh 10.659 I CPPA-G - 150 MW - Note 2 RS./kwh	TOTAL		Mill Rs.	5,299.675	6,099.75
a KANUPP Note 1 b TAPAL c GUL APMED c GUL APMED d CPPA-G Note 2 e ANOUD POWER f INT IND (IIL) g FFBL h SNPC C GURSUN GHARO SOLAR I CPPA-G - 150 MW - Note 2 RS./kwh 10.659 I CPPA-G - 150 MW - Note 2 RS./kwh	R FUEL COST / HINST				
B TAPAL Rs./kwh 15.057 16.04 15.057 16.05			De /bush	14.000	
C GUL APMED C CPPA-G - Note 2 CPPA-G - Note 2 RS./kwh 4.783 4.78 E ANCUD POWER RS./kwh 10.659 10.66 FFBL RS./kwh 9.414 9.41 SNPC RS./kwh 6.836 6.83 GOURSUN CPPA-G - 150 MW - Note 2 RS./kwh 4.783 4.78 K GHARO SOLAR LOTTE RS./kwh 14.526 14.48 VARIATION IN COST OF FUEL - POWER PURCHASES 4 Cost of Fuel - Power Purchases A Cost of Fuel - Power Purchases A Cost of Fuel - Power Purchases CWh 843.050 953.7 Units Sent Out					
d CPPA-G - Note 2					
E ANOUD POWER Rs./kwh - -					
F INT IND (IIL) Rs./kwh 10.659 10.66 RFEL Rs./kwh 9.414 9.41 9.41 9.41 10.659 10.66 Rs./kwh 6.836 6.83				4.783	4.78
g FFB1 Rs./kwh 9.414 9.41 h SNPC Rs./kwh 6.836 6.83 i OURSUN Rs./kwh - - j CPPA-G - 150 MW - Note 2 Rs./kwh 4.783 4.79 k GHARO SOLAR Rs./kwh - - 1 LOTTE Rs./kwh 14.526 14.43 4 Cost of Fuel - Power Purchases a Mill Rs. 5,299.675 6,099.75 Units Sent out: Units Sent Out - KE GWh 843.050 953.7 Units - Power Purchases GWh 725.620 895.0 4b Total Units Sent Out b GWh 1,568.671 1,848.8 4c Cost per unit c = a/b Rs./kwh 3.378 3.29 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh 3.378 3.29			Rs./kwh	-	
h SNPC	FINT IND (RL)		Rs./kwh	10.659	10.66
OURSUN	g FFBL		Rs./kwh	9.414	9.41
OURSUN	h SNPC		Rs./kwh	6.836	6.83
j CPPA-G - 150 MW - Note 2 Rs./kwh 4.783 4.78 k GHARO SOLAR Rs./kwh	i OURSUN		Rs./kwh	_	
k GHARO SOLAR Rs./kwh	i CPPA-G - 150 MW - Note 2				4.79
LOTTE Rs./kwh 14.526 14.45	•				
4a Cost of Fuel - Power Purchases a Mill Rs. 5,299.675 6,099.71 Units Sent out: Units Sent Out - KE GWh 843.050 953.7 Units - Power Purchases GWh 725.620 895.0 4b Total Units Sent Out b GWh 1,568.671 1,848.8 4c Cost per unit c = a/b Rs./kwh 3.378 3.29 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0.00					
Units Sent out: GWh 843,050 953.7 Units Sent Out - KE GWh 725,620 895.0 4b Total Units Sent Out b GWh 1,568,671 1,848.8 4c Cost per unit c = a/b Rs./kwh 3.378 3.24 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0.00)	VARIATION IN COST OF FUEL - POWER PURCHASES				
Units Sent out: GWh 843,050 953.7 Units - Power Purchases GWh 725,620 895.0 4b Total Units Sent Out b GWh 1,568,671 1,848.8 4c Cost per unit c = a/b Rs./kwh 3,378 3,27 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0.00)	4a Cost of Fuel - Power Purchases	а	MIII Rs.	5,299,675	6.099.75
Units Sent Out - KE GWh 843,050 953,7 Units - Power Purchases GWh 725,620 895,0 4b Total Units Sent Out b GWh 1,568,671 1,848,8 4c Cost per unit c = a/b Rs./kwh 3,378 3,27 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0,00)				,	.,
Units - Power Purchases GWh 725.620 895.0 4b Total Units Sent Out b GWh 1,568.671 1,848.8 4c Cost per unit c = a/b Rs./kwh 3,378 3.29 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0.00)					
4b Total Units Sent Out b GWh 1,568.671 1,848.8 4c Cost per unit c = a/b Rs./kwh 3.378 3.29 4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0.0)	Units Sent Out - KE		GWh	843.050	953.7
4c Cost per unit c = a/b Rs./kwh 3.378 3.278 4d Variation per unit (Cost of Fuei - Power Purchases) Rs./kwh (0.00)	Units - Power Purchases		GWh	725.620	895.0
4d Variation per unit (Cost of Fuei - Power Purchases) Rs./kwh (0.0)	4b Total Units Sent Out	ь	GWh	1,568.671	1,848.8
4d Variation per unit (Cost of Fuel - Power Purchases) Rs./kwh (0.0)	4c Cost per unit	c = a/h	Rs./kwh	3 379	2.76
	•	/-		5.370	
4e Variation amount (Cost of Fuel - Power Purchases) Mill Page 1446 2			u2·\KMU		(0.07
	4e Variation amount (Cost of Fuel - Power Purchases)		Mill Rs.	_	(146.34

Note 1: Kanupp details are provisional for the month of April-21 as the invoice for the month is yet to be received.

Note 2: CPPA-G's fuel cost for the month of April 2021 is based on NEPRA's determination of fuel cost for the month of February 2021 (latest determined) as the fuel cost for the month of April 2021 is yet to be determined.