

Office of Chief Engineer
Commercial Unit



U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti bhawan Extn.
Lucknow -226001
Tel No.- 0522-2288056 / 2287030
CIN : U 40101UP1980SGC005065
gm.commercial@uprvunl.org

cecommercialunl@gmail.com

No. 157/UNL/CE(Comml.)/Energy Bill/FY (2020-21)

Date: 17, April, 2021

Superintending Engineer
Electricity Import-Export & Payment Circle
U.P. Power Corporation Ltd
11th floor, Shakti Bhawan Extn.
Lucknow-226001.

Subject: Provisional Main Energy Bill of various TPS of UPRVUNL for the month March-2021.

The Provisional Main Energy bill of various Thermal Power Stations of UPRVUNL against Electricity supplied by U.P. Rajya Vidyut Utpadan Nigam Ltd. to U.P. Power Corporation Ltd. during month **March, 2021** as detailed below, is being enclosed for payment:-

Main Bill No.:-UNL/Energy Bill(SG/ESO)/2021-03/01, dt. 17.04.2021 **Rs. 681.3450329 Crs**
(Rs. Six hundred and eighty one crore, thirty four lacs, fifty thousand, three hundred and twenty nine only)

It is therefore requested that the payment of this Bill in accordance with Operational parameters of UPERC Generation Regulation-2019 dt. 11.09.2019 & Fixed Cost as per Tariff Order dt. 29.04.2016 & 18.01.2017 and PPA signed between UPRVUNL and UPPCL may kindly be ensured.

Last Energy Account from SLDC/ABT received on dt. 17.04.2021 for Obra Project.

(Avikshit Singh)
Chief Engineer (Commercial)

No. 157/UNL/CE(Comml.)/Energy Bill/FY (2020-21)

Date: 17, April, 2021

Copy forwarded to the following for their kind information :-

1. PS to Managing Director, UPRVUNL, 7th floor, Shakti Bhawan, Lucknow.
2. Senior Adviser to Managing Director, UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow
3. Director (Technical), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow
4. Director (Finance), UPRVUNL, 8th floor, Shakti Bhawan Ext, Lucknow.

Copy forwarded to the following for their kind information & necessary action :-

1. CE (TO/Fuel), UPRVUNL, 14th floor, Shakti Bhawan Extn, Lucknow.
2. Chief Engineer (Project Coordinator), Anpara/Obra/Harduaganj/Parichha TPS.
- 3 Dy CAO (Accounts), UPRVUNL, 9th floor, Shakti Bhawan Extn, Lucknow.
4. Dy CAO (Finance), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow.
5. Chief Manager (CMU), UPRVUNL, 7th floor, Shakti Bhawan Extn, Lucknow.
6. Dy CAO (CFA&BO), Anpara/Obra/Harduaganj/Parichha TPS.

→ Summary file

(Avikshit Singh)
Chief Engineer (Commercial)

U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti Bhawan Extn., Lucknow
GST Reg. No. 09AAACU4749DZ29

Bill of supply of Power of the month : Mar-21
Name of Customer : U.P. Power Corporation Ltd.
Shakti Bhawan, Extn.
14, Ashok Marg, Lucknow
09AAACU5088M4ZM

Main Bill : UNL/Energy Bill (SG/ESO)/2021-03/01
Bill Date : 17.04.2021
Due Date : 30 Days from the billing date
Reference: (i) UPERC Tariff Order Dt.29.04.2016 & 18.01.2017
(ii) UPERC Gen Reg.19 Dt.11.09.2019
(iii) PFA for various Thermal Power Stations.

Provisional Main Energy Bill of UPRVUNL to UPPCL for Anpara A, Anpara B, Anpara D, Obra B, Parichha Extn, Parichha Extn Stage-2, Harduaganj Extn on Schedule Generation (SG).

Projects	Approved Plant capacity as per UPERC T.O. (MW)	Com. Plant Availability		Total capacity charges approved by UPERC (Rs. Crs)	Percentage to be recovered (%)	Capacity charges (Fixed Charges)		Amount of capacity charges payable for the month (Rs. Crs)	Annual Cumulative Capacity Charges corresponding to last month (ACC-) (Rs. Crs)	Scheduled Generation by SLDC/ Energy Sent Out by Plants (MU)	Energy Charge (₹ C)			Total Amount Capacity Charges+ Energy Charges (Rs. Crs)	
		Target by UPERC (%)	Actual till current month w.e.f April, 2020 (%)			Amount of annual capacity charges corresponding to Column 6 to Column 6 (ACC2) (Rs. Crs)	Amount of annual capacity charges corresponding to last month (ACC-) (Rs. Crs)				Energy Charge Rate (ECR) (Rs/kwh)	Total Energy Charges (Rs. Crs)	Capacity Charges (Rs. Crs)		
	n	3	4#	5	6##	7=(Col.5X6)/100	8###	9	10	11	12=(Col.10x11)/10	13=(Col.8+12)			
Anpara 'A'	630	85	68.33	306.96	80.39	246.7651440	28.6393680	237.9553920	394.257170	1.87	73.7260908	102.3654588			
Anpara 'B'	1000	85	89.47	307.88	100.00	307.8800000	25.6566667	307.8800000	618.018818	1.62	100.1190485	125.7757152			
Anpara 'D'	1000	85	48.16	1088.75	56.66	616.8875000	52.8043750	615.3615000	342.178828	1.44	49.2737512	102.0781262			
Obra 'B'	1000	80	63.23	421.89	79.04	333.4618560	29.5287843	331.5633510	395.392200	1.52	60.0996144	89.6283987			
Harduaganj Extn	500	85	90.41	532.38	100.00	532.3800000	44.3650000	532.3800000	89.700063	2.67	23.9499168	68.3149168			
Parichha Extn.	420	85	92.15	333.66	100.00	333.6600000	27.8050000	333.6600000	188.315933	3.21	60.4494145	88.2544145			
Pari.Extn. Stage2	500	85	95.51	498.79	100.00	498.7900000	41.5658333	498.7900000	195.848410	3.21	62.8673396	104.4331729			
Harduaganj (U#7)	105	65	13.57	78.98	20.88	16.4910240	-0.0157960	18.0074400	0.000000	3.47	0.0000000	-0.0157960			
	5155			3569.29		2886.3137740	250.3492313	2875.5976830	2223.7114220		430.4851758	680.8344071			
TCS 0.075% as per New Clause no. 206 C (1H) of Finance Bill 2020													Rs Crs.	0.5106258	
Total Amount Payable													(Rs. Six hundred eighty one crore, thirty four lacs, fifty thousand, three hundred and twenty nine only)		

From Commulative Availability Sheet
Column No. 6 : If Col No. 4 is less than Col No.3 , then (Col No.4/Col No. 3)x100% else 100%
Column No.8 : Computed as per UPERC Generation Regulation 2019, dt 11.09.2019 para 25 , for n month=(nxAACn-(n-1)xACCn-1)/12
Effective Annual Capacity charges on 2% RoE of Harduaganj (U#7) TPS having capacity 105 MW due to deletion of U#5 as per O.M. NO. 592/CE(TO)/Harduaganj dt. 15.07.2017 = 124.11*105/165 = 78.98 Cr.
Effective Annual Capacity charges on 2% RoE of 2x500 MW Anpara 'D' TPS as per calculation sheet of Verified Bill of March'18 by UPPCL letter no. 1512/EIE&PC/UPRVUNL/U-4, dt. 03.05.2018 is Rs 1088.75 Crs.

Prepared as per DC/SG received from ABT/SLDC & Bill from TPS

Checked as per DC/SG received from ABT/SLDC & Bill from TPS

Verified as per DC/SG received from ABT/SLDC & Bill from TPS

(Saurabh Grover)
EA (Comm.)

(Sandeep Kr. Yadav)
AE (Comm.)

(Minalini Nigam)
Assistant Accountant

(Sandeep Kr. Yadav)
AE (Comm.)

(Hari Shyam)
SE (Comm.)

(उमेश अवस्थी)
उप मुख्य लेखाधिकारी (वित्त)
उपभरण विवरण निदेशिका
शक्ति भवन विस्तार, लखनऊ

Cumulative Availability for FY 2020-21

Month	Days Cum. N	MW		AUXn 6.30		AUXn 8.5		MW		AUXn 6.55		MW		AUXn 1000		AUXn 1000 D 16 & 7		MW		AUXn 1000		AUXn 9.7			
		Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Cum. Ava (%)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	
Apr-20	30	307.086000	12795	73.99	632.033150	26335	93.94	301.654625	12569	44.69	432.018750	18001	66.45	307.086000	12795	73.99	632.033150	26335	93.94	301.654625	12569	44.69	432.018750	18001	66.45
May-20	31	315.625750	13151	25946	496.153225	20673	73.79	496.153225	20673	47008	82.46	332.737250	13864	26433	351.065750	14628	32629	59.24	351.065750	14628	32629	59.24	351.065750	14628	32629
Jun-20	30	318.257000	13261	39207	608.867750	25369	74.74	608.867750	25369	72377	85.11	336.777875	14032	40465	342.416500	14267	46896	57.07	342.416500	14267	46896	57.07	342.416500	14267	46896
Jul-20	31	330.233250	13760	52967	590.581800	24608	75.32	590.581800	24608	96985	85.07	348.085438	14504	54969	315.053750	13127	60023	54.48	315.053750	13127	60023	54.48	315.053750	13127	60023
Aug-20	31	254.728250	10614	63581	72.09	567.449000	23644	120629	84.37	348.181125	14508	69477	48.44	411.612000	17151	77174	55.86	411.612000	17151	77174	55.86	411.612000	17151	77174	
Sep-20	30	213.237500	8885	72466	647.060750	26961	68.69	647.060750	26961	147590	86.30	337.447875	14060	83537	417.855000	17411	94585	57.24	417.855000	17411	94585	57.24	417.855000	17411	94585
Oct-20	31	268.741250	11198	83664	644.601240	26858	67.82	644.601240	26858	174448	87.23	344.575313	14357	97894	439.277000	18303	112888	58.42	439.277000	18303	112888	58.42	439.277000	18303	112888
Nov-20	30	291.882500	12162	95826	608.110000	25338	68.13	608.110000	25338	199786	87.62	300.264938	12511	110405	438.419250	18267	131155	59.53	438.419250	18267	131155	59.53	438.419250	18267	131155
Dec-20	31	243.042250	10127	105953	633.793750	26408	66.84	633.793750	26408	226194	88.02	348.443500	14518	124923	489.167250	20382	151537	61.02	489.167250	20382	151537	61.02	489.167250	20382	151537
Jan-21	31	243.333750	10139	116092	664.212425	27676	65.81	664.212425	27676	253870	88.78	348.750000	14531	139454	491.080000	20462	171999	62.25	491.080000	20462	171999	62.25	491.080000	20462	171999
Feb-21	28	238.651250	10777	126869	601.904400	25079	65.89	601.904400	25079	278949	89.37	263.202063	10967	150421	422.653000	17611	189610	62.87	422.653000	17611	189610	62.87	422.653000	17611	189610
Mar-21	31	405.494250	16896	143765	629.812000	26242	68.33	629.812000	26242	305191	89.47	345.044063	14377	164798	451.102750	18796	208406	63.23	451.102750	18796	208406	63.23	451.102750	18796	208406
Total		3450.313000	7324.580490							3955.164065				5001.723500											

Month	Days Cum. N	MW		AUXn 105		AUXn 9.5		MW		AUXn 500		AUXn 9.0		MW		AUXn 420		AUXn 9.0		MW		AUXn 500		AUXn 9.0		
		Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Cum. Ava (%)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)	Declared Cap.(MU)	Cum. Decl. Cap.(MW)
Apr-20	30	68.414400	2851	100.01	295.618750	12317	90.23	137.589600	5733	5733	50.00	323.858125	13494	13494	98.86	323.858125	13494	98.86	323.858125	13494	13494	98.86	323.858125	13494	13494	
May-20	31	44.493115	1854	81.17	212.686375	8862	76.31	211.889050	8829	14562	62.46	320.993750	13375	26869	96.81	320.993750	13375	96.81	320.993750	13375	26869	96.81	320.993750	13375	26869	
Jun-20	30	0.000000	0	54.41	301.757500	12573	81.52	271.299400	11304	25866	74.37	303.987500	12666	39535	95.48	303.987500	12666	95.48	303.987500	12666	39535	95.48	303.987500	12666	39535	
Jul-20	31	0.000000	0	40.58	280.937500	11706	40.58	280.937500	11706	45458	81.89	265.895625	11079	36945	91.83	265.895625	11079	91.83	265.895625	11079	36945	91.83	265.895625	11079	36945	
Aug-20	31	0.000000	0	32.36	326.955250	13623	59081	84.87	280.619100	11692	48637	83.17	333.948125	13915	65284	93.78	333.948125	13915	93.78	333.948125	13915	65284	93.78	333.948125	13915	65284
Sep-20	30	0.000000	0	27.06	315.173250	13132	72213	86.73	272.339150	11347	59984	85.76	298.843125	12452	77736	93.36	298.843125	12452	93.36	298.843125	12452	77736	93.36	298.843125	12452	77736
Oct-20	31	0.000000	0	23.14	333.476250	13895	86108	88.43	272.743050	11364	71348	87.23	322.317000	13430	91166	93.63	322.317000	13430	93.63	322.317000	13430	91166	93.63	322.317000	13430	91166
Nov-20	30	0.000000	0	20.29	327.600000	13650	99758	89.86	275.184000	11466	82814	88.80	327.526250	13647	104813	94.41	327.526250	13647	94.41	327.526250	13647	104813	94.41	327.526250	13647	104813
Dec-20	31	0.000000	0	18.00	335.631250	13985	113743	90.90	282.603900	11775	94589	89.99	336.493750	14021	118834	94.97	336.493750	14021	94.97	336.493750	14021	118834	94.97	336.493750	14021	118834
Jan-21	31	0.000000	0	16.18	328.046250	13669	127412	91.51	277.823350	11576	106165	90.78	316.641875	13193	132027	94.83	316.641875	13193	94.83	316.641875	13193	132027	94.83	316.641875	13193	132027
Feb-21	28	0.000000	0	14.82	302.378750	12599	140011	92.13	255.407775	10642	116807	91.50	305.760000	12740	144767	95.26	305.760000	12740	95.26	305.760000	12740	144767	95.26	305.760000	12740	144767
Mar-21	31	0.000000	0	13.57	243.179375	10132	150143	90.41	281.799800	11742	128549	92.15	332.570625	13857	158624	95.51	332.570625	13857	95.51	332.570625	13857	158624	95.51	332.570625	13857	158624
Total		112.907515	3603.440500						3085.193800					3806.968000												

Cumulative Availability (%) = $10000 \times \sum DC_i / (\sum XICX(100-AUXn)) \%$

DC = Average declared capacity for the ith day of the period in MW.

N = Number of days during the period, and

AUXn = Normative Auxiliary Energy Consumption as a percentage of gross generation.

Availability have been calculated as per new Auxiliary Consumption norms w.e.f. 01.04.2019 for MYT 2019-24 specified by UPERC (Terms & conditions of Generation Tariff) Regulation-2019, dt. 11.09.2019.

Handwritten signature
17.04.2021
S(E)(Comml.)

Handwritten signature
AE (Comml.)

Handwritten signature
EA (Comml.)

Office of Chief Engineer
Commercial Unit

cecommercialunl@gmail.com



U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti bhawan Extn.
Lucknow -226001
Tel No.- 0522-2288056 / 2287030
CIN : U 40101UP1980SGC005065
gm.commercial@uprvunl.org

No. 171/UNL/CE(Comml.)/FCA/FY (2020-21)

Date: 26, April, 2021

Superintending Engineer
Electricity Import-Export & Payment Circle
U.P. Power Corporation Ltd
11th floor, Shakti Bhawan Extn.
Lucknow-226001.

Subject: **Supplementary Bill of FCA of various TPS of UPRVUNL for March-2021.**

The Supplementary bill of Fuel Cost Adjustment (FCA) for variation in fuel data certified by Cost Accountants of various Thermal Power Stations of U.P. Rajya Vidyut Utpadan Nigam Ltd against electricity supplied to U.P. Power Corporation Ltd. during the month **March-2021**, is being enclosed herewith for payment :-

(1) FCA Bill No.:-UNL/FCA/2021-02/02, dt. 26.04.2021

Rs 63.3443894 Crs

(Rs Sixty three crore, thirty four lacs, forty three thousand, eight hundred and ninety four only)

It is, therefore, requested that the payment of these Bills in accordance with UPERC Generation Tariff Regulation-2019, dt. 11.09.2019 and Power Purchase Agreements signed between UPRVUNL and UPPCL may kindly be ensured.

Last Fuel data received on dt. 26.03.2021 of Harduaganj TPS.

The Calculation sheet for Rate of Variable Cost of MOD stack for the month of May-2020 is attached herewith.

Encl.: As above.

(Avikshit Singh)

Chief Engineer (Commercial)

No. 171 /UNL/CE(Comm.)/FCA/FY (2020-21)

Date: 26, April, 2021

Copy forwarded to the following for their kind information :-

1. PS to Managing Director, UPRVUNL, 7th floor, Shakti Bhawan, Lucknow.
2. Director (Project & Comml.), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow.
3. Director (Technical/Finace), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow.

Copy forwarded to the following for their kind information & necessary action :-

1. Chief Engineer (TO/Fuel), UPRVUNL, 14th floor, Shakti Bhawan Extn, Lucknow.
2. Chief Engineer (Project Coordinator), Anpara, Obra, Parichha, Harduaganj TPS.
3. Dy CAO (Finance), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow.
4. Dy CAO (Accounts), UPRVUNL, 9th floor, Shakti Bhawan Extn, Lucknow.
5. Chief Manager (CMU), UPRVUNL, 7th floor, Shakti Bhawan Extn, Lucknow.
6. Dy CAO (CFA&BO), Anpara, Obra, Parichha, Harduaganj Thermal Power Project.

→ Summary file

(Avikshit Singh)

Chief Engineer (Commercial)

U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti Bhawan Extn.,
Lucknow - 226001

GST Reg. No.- 09AAACU4749D2Z9

March, 2021
U.P. Power Corporation Ltd.
Shakti Bhawan, Extn.
14, Ashok Marg, Lucknow
09AAACU5088M4ZM

Bill of supply of Power for Month:
Name of Customer :-

FCA Bill No.- UNL/FCA/2021-03/02
Bill Date- 26.04.2021
Due Date- 30 Days from the billing date
Reference- (i) UPERC Tariff Order Dt. 29.04.2016 & 18.01.2017
(ii) UPERC Gen Regu., 2019 Dt. 11.09.2019
(iii) Fuel data from Plants (certified by Cost Accountant)

Provisional Fuel Cost Adjustment Bill due to variation in Cost & GCV of fuel of various TPS of UPRVUNL for the month of March-2021 raised to UPPCL as per UPERC Gen. Tariff Regu., 2019 Dt. 11.09.2019

S.No.	Parameters	Symbol	Unit	Anpara A	Anpara B	Anp D	Obra B	Harduaganj Extn. U#8&9	Pari Extn. U#3&4	Pari Extn. Stage-2 U#5&6	Total
A	Unit No.	ESO	MU	394.257170	618.018818	342.178828	395.392200	89.700063	188.315933	195.848410	2223.711422
B	Energy Exported & Billed (ESO)	H	Kcal/kwh	2430	2390	2374	2755	2430	2430	2430	2430
C	Normative Operating Parameters	(Qs)m	ml/kwh	0.50	0.50	0.50	2.10	0.50	0.50	0.50	0.50
D	Gross Station Heat Rate (GSHR)	AUXn	%	8.50	6.55	6.25	9.70	9.00	9.00	9.00	9.00
E	Fuel Data for the month	Pp	Rs. kg	2.38943	2.40227	2.38085	2.73789	4.71666	4.69091	4.69091	4.69091
F	Price of Primary fuel (Coal)	Ps	Rs. ml	0.04601318	0.04601318	0.04601318	0.05502180	0.04288258	0.03469024	0.03469024	0.03469024
G	Price of Secondary fuel (Oil)	Cp	Kcal/kg	3573.00	3784.00	3751.00	3863.00	3808.00	3586.30	3586.30	3586.30
H	Gross Calorific Value of Primary fuel (Coal) less 85 Kcal/kg on account of variation during storage (Cp- Cp-85)	Cp1	Kcal/kg	3488.00	3699.00	3666.00	3778.00	3723.00	3501.30	3501.30	3501.30
I	Gross Calorific Value of Secondary fuel (oil)	Cs	Kcal/lit	9116.33	9116.33	9116.33	9070.00	10570.00	9608.59	9608.59	9608.59
J	Formula of ECR	ECR	Rs./kwh	$100[Pp*(H-(Qs)m*Cs/1000)/Cp+Ps*(Qs)m]/(100-AUXn)$	1.8410	1.6824	1.6659	2.3237	3.3992	3.5896	3.5896
K	Energy Charge Rate for the month (ECR)	ECR1	Rs./kwh	1.8700	1.6200	1.4400	1.5200	2.6700	3.2100	3.2100	3.2100
L	Already claimed energy charge rate (ECR1)	ECR2	Rs./kwh	-0.0290	0.0624	0.2259	0.8037	0.7292	0.3796	0.3796	0.3796
M	Diff in ECR (J-K)		Rs./kwh								
	Amt. of Energy Charge due to variation in fuel data (A x L)/10		Rs Crs	-1,143,3458	3,856,4374	7,729,8197	31,777,6711	6,540,9286	7,148,4728	7,434,4056	63,344,3894

above TCS amt not charged on above bill amt.

Normative Parameters have been taken as per UPERC Generation Tariff Regulation-2019, dt. 11.09.2019 for various TPS of UPRVUNL.

Prepared as per ESO/SG & Bills /Fuel data received from TPS

Checked as per ESO/SG & Bills /Fuel data received from TPS

Verified as per ESO/SG & Bills /Fuel data received from TPS

Saurabh Grover
(Saurabh Grover)
EA (Comml.)

Minalini Nigam
(Minalini Nigam)
Assistant Accountant

Khyati Singh
(Khyati Singh)
Accounts Officer

Abhinav
(Abhinav Srivastava)
EE(Comml.)

Rate of Variable Cost for MOD of the month May'2021 as per UPERC Order dt. 21.06.2016 against Petition no.- 1070/2015 according to Energy/FCA Bill for the month of March'2021.

Projects	Approved Plant capacity UPERC T.O.# (MW)	No. of Months	Target Availability by UPERC # (%)	Cumulative Availability # (%)	Total capacity charges at 15.5% RoE# (Rs. Crs)	Total capacity charges at 2% RoE# (Rs. Crs)	Percentage to be recovered *	Amount of annual capacity charges at 15.5% RoE corresponding to Column 6 (Rs. Crs)	Total capacity charges at 15.5% RoE (Rs. Crs)	8	9=(Col. 5X6)/100	Amount of annual capacity charges at 2% RoE corresponding to Column 6 (Rs. Crs)	Total capacity charges at 2% RoE * (Rs. Crs)	10	11=(Col. 8+10)	Energy Charge as per Main Energy Bill * (Rs. Crs)	Variable Change as per FCA Bill ** (Rs. Crs)	Total Variable Cost - Forgoing Fixed Cost (Rs. Crs)	Scheduled Generation by SLDC/ Energy Sent Out by Plants* (MU)	Revised Rate of Variable Cost for MOD (Rs./kwh)
Ampara 'A'	630	12	85	68.33	339.55	306.96	80.39	272.9642450	31.6800150	31.6800150	9=(Col. 5X6)/100	246.7651440	28.6393680	73.7260908	3.0406470	100.1190485	-1.1433458	69.5420980	394.257170	1.764
Ampara 'B'	1000	12	85	89.47	485.68	307.88	100.00	485.6800000	40.4733333	40.4733333	307.8800000	25.6566667	100.1190485	14.8166666	100.1190485	3.8564374	89.1588193	618.018818	1.443	
Ampara 'D'	1000	12	85	48.16	1323.02	1088.75	56.66	749.6231320	64.1664700	64.1664700	616.8857500	52.8043750	49.2737512	11.3620950	49.2737512	7.7298197	45.6414759	342.178828	1.334	
Obra 'B'	1000	12	80	63.23	453.56	421.89	79.04	358.4938240	31.7454203	31.7454203	333.4618560	29.5287843	60.0996144	2.2166360	60.0996144	31.7776711	89.6606495	395.392200	2.268	
H'dnj. Extn.	500	12	85	90.41	658.65	532.38	100.00	658.6500000	54.8875000	54.8875000	532.3800000	44.3650000	23.9499168	10.5225000	23.9499168	6.5409286	19.9683454	89.700063	2.226	
Pari. Extn.	420	12	85	92.15	381.95	333.66	100.00	381.9500000	31.8291667	31.8291667	333.6600000	27.8050000	60.4494145	4.0241667	60.4494145	7.1484728	63.5737296	188.315933	3.376	
Pari. Extn. Stage-2	500	12	85	95.51	607.06	498.79	100.00	607.0600000	50.5883333	50.5883333	498.7900000	41.5658333	62.8673396	9.0225000	62.8673396	7.434056	61.2792452	195.848410	3.129	
H'dnj. (U#) S	105	12	65	13.57	82.82	78.98	20.88	17.2920567	-0.0165633	-0.0165633	16.4910240	-0.0157960	0.0000000	-0.0007673	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	3.374
TOTAL					4332.29	3569.29		3531.7132577	294.3094381	294.3094381	2886.3137740	250.3492313	430.4851758	55.0044440	430.4851758	63.3443894	438.8243539	2223.7114220		

UPPCL letter no. 766/CE/PPA, dt. 23.05.2018

* Taken from Energy Bill of the month.

As per UPERC Tariff Order.

** Taken from FCA Bill of the month.

Column No. 8 & 10 computed as per UPERC Generation Regulation 2019, dt. 11.09.2019 para 25, for n month=(nxAACn-(n-1)XACCn-1)/12

S Harduaganj (U#7) remain closed in March'2021, hence SG is 0 (Zero). Therefore, rate of previous variable charge for MOD has been taken.

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EA (Comm.)

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AE (Comm.)

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EE (Commercial), UPRVUNL