

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. 178/UNL/CE(Comml.)/Energy Bill/FY (2021-22)

Date: 11, May, 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 April-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 **April, 2021** as detailed below, is being enclosed for payment:-

Main Bill No.:-UNL/Energy Bill(SG/ESO)/2021-04/01, dt. 11.05.2021 **Rs. 671.2172839 Crs**
(Rs. Six hundred and seventy one crore, twenty one lacs, seventy two thousand, eight hundred and thirty 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. 11.05.2021 for Parichha Project.

(Avikshit Singh)
Chief Engineer (Commercial)

No. 178/UNL/CE(Comml.)/Energy Bill/FY (2021-22)

Date: 11, May, 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), 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. 09AAACU4749D2Z9

Bill of supply of Power of the month : April- 2021
Name of Customer :- U.P. Power Corporation Ltd.
Shakti Bhawan, Extn.
14, Ashok Marg, Lucknow
09AAACU5088M4ZM

UNL/Energy Bill (SG/ESO)/2021-04/01
Bill No. : 11.05.2021
30 Days from the billing date
Due Date :
Reference: (i) UPERC Tariff Order Dt.29.04.2016 & 18.01.2017
(ii) UPERC Gen Reg.'19 Dt. 11.09.2019
(iii) PPA 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 & Harduaganj Extn on Schedule Generation (SG).

Projects	Approved Plant capacity as per UPERC T.O. (MW)	No. of Months w.e.f April 2021	Cum.Plant Availability		Total capacity charges approved by UPERC (Rs. Crs)	Percentage to be recovered (%)	Capacity charges (Fixed Charges) Amount of annual capacity charges corresponding to Column 6 (ACCZ) (Rs. Crs)	Amount of capacity charges payable for the month (Rs. Crs)	Scheduled Generation by SLD/ Energy Sent Out by Plants (MU)	Energy Charge (REC) Rate of Energy Charges (Rs/kwh)	Total Energy Charges (Rs. Crs)	Total Amount Capacity Charges Energy Charges (Rs. Crs)	
			Target by UPERC (%)	Actual till current month w.e.f April,2021 (%)									
Anpara 'A'	630	1	85	87.51	306.96	100.00	306.9600000	25.5800000	350.534175	1.87	65.5498907	91.1298907	
Anpara 'B'	1000	1	85	73.78	307.88	86.80	267.2398400	22.2699867	486.484878	1.62	78.8105502	101.0805369	
Anpara 'D'	1000	1	85	49.99	1088.75	58.81	640.2938750	53.3578229	334.053423	1.44	48.1036929	101.4615158	
Obra 'B'	1000	1	80	68.79	421.89	85.99	362.7832110	30.2319343	421.845718	1.52	64.1205491	94.3524834	
Harduaganj Extn	500	1	85	46.70	532.38	54.94	292.4895720	24.3741310	101.035138	2.67	26.9763818	51.3505128	
Parichha Extn.	420	1	85	99.56	333.66	100.00	333.6600000	27.8050000	190.803470	3.21	61.2479139	89.0529139	
Pari. Extn. Stage2	500	1	85	84.86	498.79	99.84	497.9919360	41.4993280	265.260958	3.21	85.1487675	126.6480955	
Harduaganj (U#7)	105	1	65	60.51	78.98	93.09	73.5224820	6.1268735	26.927708	3.47	9.3439147	15.4707882	
	5155				3569.29		2774.9409160	231.2450764	2176.9454680		439.3016608	670.5467372	
TCS 0.1% as per New Clause no. 206 C (1H) of Finance Bill 2020												0.6705467	671.2172839
Total Amount Payable											Rs Crs.		

(Rs. Six hundred and seventy one crore, twenty one lacs, seventy two thousand, eight hundred and thirty nine only)

From Cumulative 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 a month=(nxACCn-(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

Saurabh Grover
EA (Commnl.)

Sandeep Kr. Yadav
AE (Commnl.)

Gora Pandey
Accountant

S.P. Yadav
Dy CAO (F)

Sandeep Kr. Yadav
AE(Commnl.)

Abhishek Srivastava
EE(Commnl.)

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

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CIN : U 40101UP1980SGC005065
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No. 208 /UNL/CE(Comml.)/FCA/FY (2021-22)

Date: 29, May-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 April-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 **April-2021**, is being enclosed herewith for payment :-

(1) FCA Bill No.:UNL/FCA/2021-04/02, dt. 29.05.2021 **Rs 67.6613534 Crs**

(Rs Sixty seven crore, sixty six lacs, thirteen thousand, five hundred and thirty 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. 28.05.2021 of Obra-B TPS and fuel data of Harduaganj Project are still awaited.

The Calculation sheet for Rate of Variable Cost of MOD stack for the month of June-2021 is attached herewith.

Encl.: As above.

(Avikshit Singh)

Chief Engineer (Commercial)

No. 208 /UNL/CE(Comm.)/FCA/FY (2021-22)

Date: 29, May, 2021

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2. Director (Project & Comml.), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow.
3. Director (Finance), UPRVUNL, 8th floor, Shakti Bhawan Extn, Lucknow.
4. Director (Technical), 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 Projects.
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
FCA Bill No.- UNL/FCA/2021-0402
Bill Date- 29.05.2021
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)

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

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

GST Reg. No:

Provisional Fuel Cost Adjustment Bill due to variation in Cost & GCV of fuel of various TPS of UPRVUNL for the month of April-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	Pari Extn.	Pari Extn.	Total
A	Energy Exported & Billed (ESO)	ESO	MU	U#1,2&3 350,534,175	U#4&5 486,484,878	U#6&7 334,053,423	U#9 to 13 421,845,718	U#3&4 190,803,470	U#5&6 265,260,958	2048,982,6220
B	Normative Operating Parameters	H	Kcal/kwh	2430	2390	2374	2755	2430	2430	
C	Gross Station Heat Rate (GSHR)	(Qs)m	ml/kwh	0.50	0.50	0.50	2.10	0.50	0.50	
D	Sp. Oil Cons.	AUXn	%	8.50	6.55	6.25	9.70	9.00	9.00	
E	Auxiliary Energy Consumption									
F	Fuel Data for the month	Pp	Rs. kg	2.41636	2.50147	2.42091	2.73963	4.82679	4.82679	
G	Price of Primary fuel (Coal)	Ps	Rs. mt	0.04601318	0.04601318	0.04601318	0.05806525	0.03469024	0.03469024	
H	Gross Calorific Value of Primary fuel (Coal)	Cp	Kcal/kg	3590.00	3873.00	3799.00	3844.00	3601.00	3601.00	
I	Gross Calorific Value of Secondary fuel (oil)	Cs	Kcal/ltr	9116.33	9116.33	9116.33	9046.00	9608.59	9608.59	
J	Formula of ECR	ECR	Rs./kwh	$100(Pp)*(H-(Qs)m*Cs/1000)/Cp+Ps*(Qs)m/(100-AUXn)$	1.8526	1.6720	2.3433	3.6777	3.6777	
K	Energy Charge Rate for the month (ECR)	ECR1	Rs./kwh	1.8700	1.6200	1.4400	1.5200	3.2100	3.2100	
L	Already claimed energy charge rate (ECR1)	ECR2	Rs./kwh	-0.0174	0.0903	0.2320	0.8233	0.4677	0.4677	
M	Diff in ECR (J-K)									
N	Amt. of Energy Charge due to variation in fuel data (AxL)/10		Rs.Cts	-0.6099295	4.3929584	7.7500394	34.7305580	8.9238783	12.4062550	67.5937596
O	TCS 0.1% as per New Clause no. 206 C (11) of Finance Bill 2020 (M*0.1/100)									0.0675938
	Total FCA Billed Amount Payable (Cr) (M+N)									67.6613534

(Rs Sixty seven crore, sixty six lacs, thirteen thousand, five hundred and thirty four only)

Normative Parameters have been taken as per UPERC Generation Tariff Regulation-2019, dt. 11.09.2019 for various TPS of UPRVUNL.
FCA Bill of Harduaganj (U#7) and Harduaganj Extn. (U#8&9) TPS could not be prepared due to non receipt of Certified Fuel Data for April 2021 till date.

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 (Commnl.)

Goga Pandey
(Goga Pandey)
Accountant

Khyati Singh
(Khyati Singh)
Accounts Officer

Abhishek Srivastava
(Abhishek Srivastava)
EE(Commnl.)

