

Office of Chief Engineer  
Commercial Unit

cecommercialunl@gmail.com



U.P. Rajya Vidyut Utpadan Nigam Ltd.  
14<sup>th</sup> Floor, Shakti bhawan Extn.  
Lucknow -226001  
Tel No.- 0522-2288056  
CIN : U 31901UP1985SGC007135  
gm.commercial@uprvunl.org

No. 318 /UNL/CE(Comml.)/Energy Bill/FY (2024-25)

Date: 04, June- 2024

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

**Subject: Provisional Main Energy Bill of various TPS of UPRVUNL for the month May-2024.**

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 **May- 2024** as detailed below, is being enclosed for payment:-

Main Bill No.:- UNL/Energy Bill(SG/ESO)/2024-05/01, dt. 04.06.2024 **1243.1224081 Crs**  
**(Rs One thousand two hundred and forty three crore, twelve lacs, twenty four thousand and eighty one only)**

It is, therefore, requested that the payment of this Bill in accordance with UPERC Tariff Order dt. 29.04.2016, 24.05.2023, 29.05.2023, 16.06.2023, 31.01.2024, 05.02.2024, 20.02.2024, 16.04.2024 & 06.05.2024 UPERC (Terms & Conditions of Generation Tariff) Regulation-2019, dt. 11.09.2019 and Power Purchase Agreements signed between UPRVUNL and UPPCL may kindly be ensured.

Energy Accounts received from UPSLDC and checked by ABT on dt. 01.06.2024.

Encl.: As above.

*Manoj Kumar*  
AG

*Hari Shyam*  
04.06.2024  
dc (Hari Shyam)  
S.E. (Commercial)

No. 318 /UNL/CE(Comml.)/Energy Bill/FY (2024-25)

Date: 04, June- 2024

Copy forwarded to the followings for their kind information :-

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

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

1. CE (Commercial/TO), UPRVUNL, 14<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
2. Chief General Manager, UPRVUNL, Anpara, Obra, Parichha, Harduaganj, Jawaharpur TPS.
3. Dy General Manager (Finance), UPRVUNL, 7<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
4. Dy General Manager (Accounts), UPRVUNL, 7<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
5. Chief Manager (F&A) CMU, UPRVUNL, 7<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
6. Summary file/Bill Office copy.

*Manoj Kumar*  
AE

*Hari Shyam*  
04.06.2024  
dc (Hari Shyam)  
S.E. (Commercial)

**U.P. Rajya Vidyut Utpadan Nigam Ltd.**  
 14th Floor, Shakti Bhawan Extn., Lucknow  
 GST Reg. No. 09AAAACU4797P6Z8

May-24  
 U.P. Power Corporation Ltd.  
 Shakti Bhawan, Extn.  
 14, Ashok Marg, Lucknow  
 09AAAACU5088M4ZM

Bill of supply of Power of the month :  
 Name of Customer :-

UPRVNL Bank Account Number : 353305010200149  
 Name of Bank : Union Bank of India  
 Bank Branch : Large Corporate Branch, Gomti Nagar, Lucknow  
 IFSC Code : UBIN0579211

UNL/energy Bill (SG/ESO)/2024-05/01  
 Bill No. :  
 Bill Date : 04.06.24  
 30 Days from the billing date  
 (i) UPERC Tariff Order Dt. 29.04.2016, 24.05.2023, 29.05.2023, 16.06.2023,  
 31.01.2024, 06.02.2024, 20.02.2024, 16.04.2024 & 06.06.2024  
 (ii) UPERC Gen Reg-19 Dt. 11.09.2019  
 (iii) PPA for various Thermal Power Stations.

**Provisional Main Energy Bill of UPRVNL to UPPCL for Anpara A, Anpara B, Anpara D, Obrha B, Obrha C, Parichha B, Parichha C, Harduaganj C, Harduaganj D, Harduaganj E & Jawaharpur TPS.**

Name of Thermal Power Station	Approved Plant capacity as per UPERC T.O.	Cum Plant Availability		Total capacity charges approved by UPERC	Capacity charges (Fixed Charges)	Amount of annual capacity charges payable for the month	Scheduled Generation by SLDC/ Energy Sent Out by Plants (MU)	Energy Charges (E.C)		Total Energy Charges	Total Amount Capacity Charges Energy Charges
		No. of Months w.e.f April 2024	Actual till current month w.e.f April 2024					Percentage to be recovered	Amount of annual capacity charges corresponding to Column 6 (ACCC) (Rs. Cro)		
Anpara 'A'	630	2	84.41	282.79	280.8387490	23.2406248	354.588895	1.82	64.5351789	87.7758037	
Anpara 'B'	1000	2	82.38	324.35	314.3600200	26.6183233	578.1439700	1.69	97.7063309	124.3246542	
Anpara 'D'	1000	2	92.07	1088.75	1088.7500000	90.7291667	643.402185	1.44	92.6499146	183.3790813	
Obrha 'B'	660	2	65.76	598.22	491.7368400	41.0727882	429.4227750	2.53	108.6439621	149.7167503	
Obrha 'C'	420	2	51.91	687.15	419.6425050	39.4032435	266.9661825	1.90	50.7235747	90.1268182	
Parichha B	500	2	92.59	316.57	316.5700000	26.3808333	209.407195	3.51	73.5019254	99.8827587	
Parichha C	500	2	96.36	452.96	452.9600000	37.7466667	251.800125	3.51	88.3818439	126.1285106	
Harduaganj C	1110	2	87.62	101.24	101.2400000	8.4366667	44.3000875	3.83	16.9669335	25.4036002	
Harduaganj D	500	2	96.43	483.57	483.5700000	40.2975000	232.8742375	3.45	80.3416119	120.6391119	
Harduaganj E	660	2	82.74	895.00	871.1930000	70.6155000	259.297430	3.42	88.6797211	159.2952211	
Jawaharpur	660	2	22.13	809.17	210.7078680	26.9790764	155.5692500	3.18	49.4710215	76.4500979	
	7140			6039.77	5031.5689820	431.5203896	3425.7723325		811.6020185	1243.1224081	

**Total Amount Payable** Rs Crs. 1243.1224081  
**(Rs. One thousand two hundred and forty three crore, twelve lacs, twenty four thousand and eighty one 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-(nxA/Cr)-(n-1)xACCn-1/Y12  
 Effective Annual Capacity charges on 2% RoE as per Principal Secretary (Energy)'s Letter no. 1714/24-1-2017-1714 (B)/2017, dt. 31.07.2017 & as per UPRVNL BOD decision dt. 09.04.2018 in their 175th meeting (Agenda item 175.2)  
 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&PCUPRVNLU-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

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

*S. Sanyal*  
 (Saurabh Grover)  
 EA (Comm.)

*Manoj Kumar*  
 (Manoj Kumar)  
 AE (Comm.)

*Atul Pandey*  
 (Sagar Pandey)  
 Accountant

*Rajendra Singh*  
 (Rajendra Singh)  
 Accounts officer

*Manoj Kumar*  
 (Manoj Kumar)  
 AE (Comm.)

*Ritu Singh*  
 (Ritu Singh)  
 EF (Comm.)

**Cumulative Availability for FY 2024-25 of UPRVUNL Thermal Power Stations**

Unit	Year	2018 MW Capacity		2019 MW Capacity		2020 MW Capacity		2021 MW Capacity		2022 MW Capacity		2023 MW Capacity		2024 MW Capacity		2025 MW Capacity															
		Delivered	Com.Av	Delivered	Com.Av	Delivered	Com.Av	Delivered	Com.Av	Delivered	Com.Av	Delivered	Com.Av	Delivered	Com.Av	Delivered	Com.Av														
Apr-23	30	355	85.54	14792	85.54	545	85.54	22726	81.06	616	81.06	25703	22703	91.39	438	91.39	17775	85.61	202	85.61	662	85.61	844	84.4	45.49	4596	1915	1915	10.26		
May-23	31	357	84.41	14891	84.41	581	84.41	24236	82.38	646	82.38	26952	23655	92.07	442	92.07	18446	85.76	267	85.76	558	85.76	1148	1992	51.91	155	569	6482	8197	22.13	
Jun-23	30																														
Jul-23	31																														
Aug-23	31																														
Sep-23	30																														
Oct-23	31																														
Nov-23	30																														
Dec-23	31																														
Jan-24	31																														
Feb-24	28																														
Mar-24	31																														
<b>Total</b>		<b>71237</b>		<b>14891</b>		<b>1127</b>		<b>1263</b>		<b>869</b>		<b>1263</b>		<b>869</b>		<b>1263</b>		<b>869</b>		<b>1263</b>		<b>869</b>		<b>1263</b>		<b>869</b>		<b>1263</b>		<b>869</b>	

Cumulative Availability % =  $\frac{\sum \text{Delivered} + \sum \text{Com.Av}}{\sum \text{MW}} \times 100$

DC - Average declared capacity for the <sup>th</sup> day of the period in MW.

N - Number of days during the period, and

ALX - Normative Auxiliary Energy Consumption as a percentage of gross generation.

DC up to Month: 31/03/2024

DC up to Month: 31/03/2024

Availability of Tariff plan (U27) has been taken on Capacity 110 MW as per UPRCL Order dt. 30.01.2023

*Manoj Kumar*

AE (Comm.)

*04.06.24*

EE (Comm.)

Office of Chief Engineer  
Commercial Unit



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

cecommercialunl@gmail.com

No. /UNL/CE(Comml.)/FCA/FY (2024-25)

Date: 02, July- 2024

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

**Subject: Provisional Bill of FCA of various TPS of UPRVUNL for May -2024.**

The Provisional Bill of Fuel Cost Adjustment (FCA) for variation in fuel data certified by Cost Accountant 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 **May-2024**, is being enclosed herewith for payment:-

(1) FCA Bill No.:- UNL/FCA/2024-05/02, dt. 02.07.2024 **191.1186565 Crs**

**(Rs One hundred and ninety one crore, eleven lacs, eighty six thousand, five hundred and sixty five only)**

It is, therefore, requested that the payment of this Bill in accordance with UPERC (Terms & Conditions of 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. 02.07.2024 of Harduaganj Thermal Power Project.

Encl.: As above

(Hari Shyam)  
S.E. (Commercial)

No. 367/UNL/CE(Comm.)/FCA/FY (2024-25)

Date: 02, July- 2024

Copy forwarded to the followings for their kind information :-

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

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

1. Chief Engineer (Commercial/Fuel/TO), UPRVUNL, 14<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
2. Chief General Manager, UPRVUNL, Anpara, Obra, Parichha, Harduaganj, Jawaharpur TPS by email.
3. Dy General Manager (Finance), UPRVUNL, 7<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
4. Dy General Manager (Accounts), UPRVUNL, 7<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
5. Chief Manager (F&A) CMU, UPRVUNL, 7<sup>th</sup> floor, Shakti Bhawan Extn, Lucknow.
6. Summary file/Bill Office copy.

*(Signature)*  
02.07.2024  
(Hari Shyam)  
S.E. (Commercial)

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

Bill of supply of Power for Month: May, 2024  
Name of Customer :- U.P. Power Corporation Ltd.  
Shakti Bhawan, Extn.  
14, Ashok Marg, Lucknow  
09AAAACU5088M4ZM

GST Reg. No. of Customer: 09AAAACU4797PGZ8  
UNL/FCA/2024-05/02  
Bill No.- 02-07-24  
30 Days from the billing date  
Due Date  
Reference- (i) UPERC Tariff Order Dt. 29.04.2016, 24.05.2023, 29.05.2023, 16.06.2023,  
31.01.2024, 05.02.2024, 20.02.2024, 16.04.2024 & 06.05.2024  
(ii) UPERC Gen Regn., 2019 Dt. 11.09.2019  
(iii) Fuel data from Plants (certified by Cost Accountant)  
(iv) PPA for various Thermal Power Stations.

UPRVNL Bank Account Number : 353305010200149  
Name of Bank : Union Bank of India  
Bank Branch : Large Corporate Branch, Gomti Nagar, Lucknow  
IFSC Code : UBIN0579211

Provisional Fuel Cost Adjustment Bill due to variation in Cost & GCY of fuel of various TPS of UPRVNL raised to UPCL as per UPERC Gen. Tariff Regu., 2019 Dt. 11.09.2019

S.No.	Parameters	Symbol	Unit	Anpara A	Anpara B	Anpara D	Obra B	Obra C	Pari Extn.	Pari Extn. Stage-2	Harduaganj Harduaganj	Harduaganj Extn.	Harduaganj Extn-II	Jawaharpur	Total
A	Unit No. Energy Exported & Billed (ESO)	ESD	MU	354.5888950	578.1439700	643.402185	429.4227750	266.966183	209.4071950	251.8001250	44.3000875	232.8742375	259.2974300	1x660 MW 155.5692500	3425.7723325
B	Normative Operating Parameters	H	Kcal/Kwh	2430	2390	2374	2755	2182	2430	2430	2625	2430	2081	2049	
C	Gross Station Heat Rate (GSHR)	(Qs)	ml/Kwh	0.50	0.50	0.50	2.10	0.50	0.50	0.50	2.50	0.50	0.50	0.50	
D	Sp. Oil Cons	AUXn	%	8.50	6.55	6.25	9.70	6.25	9.00	9.00	9.50	9.00	6.25	5.75	
E	Auxiliary Energy Consumption														
F	Fuel Data for the month														
G	Price of Primary fuel (Coal)	Pp	Rs. Kg	2.64075	2.80059	2.63713	2.94879	3.54842	4.34713	4.34247	5.69457	5.93739	6.02454	5.67711	
H	Price of Secondary fuel (Oil)	Ps	Rs. ml	0.07681290	0.07681290	0.07681290	0.07816100	0.07816100	0.07932838	0.07932838	0.06579739	0.06579739	0.07182433	0.07975356	
I	Gross Calorific Value of Primary fuel (Coal)	Cp	Kcal/Kg	3163.00	3564.00	3604.00	3043.00	3191.00	3392.00	3282.00	2939.00	3615.00	3375.00	3360.35	
J	Gross Calorific Value of Secondary fuel (oil)	Cs	Kcal/Ltr	9216.77	9216.77	9216.77	9122.00	9125.00	9216.00	9216.00	10570.00	10570.00	10570.00	10570.00	
K	Formula of ECR	ECR	Rs./Kwh	2.3161	2.0959	1.9350	3.2021	2.6951	3.6564	3.6638	5.9110	4.5178	4.0927	3.8008	
L	Energy Charge Rate for the month (ECR)	ECR1	Rs./Kwh	1.8200	1.6900	1.4400	2.5300	1.9000	3.5100	3.5100	3.8300	3.4500	3.42	3.18	
M	Already claimed energy charge rate (ECR1)	ECR2	Rs./Kwh	0.4961	0.4059	0.4950	0.6721	0.7951	0.1464	0.1538	2.0810	1.0678	0.6727	0.6208	
N	Diff in ECR (J-K)														
O	Amt. of Energy Charge due to variation in fuel data (A x L) / 10		Rs. Crs	17.5911551	23.4668637	31.8484082	28.8615047	21.2264812	3.0657213	3.8726859	9.2188482	24.8663111	17.4429381	9.6577390	191.1186565
Total Amount Payable (Cr)															191.1186565

(Rs One hundred and ninety one crore, eleven lacs, eighty six thousand, five hundred and sixty five only)

Prepared as per ESO/SG & Bills / Fuel data received from TPS  
S. Singh  
(Saurabh Grover)  
EA (Comml.)

Checked as per ESO/SG & Bills / Fuel data received from TPS  
Rajendra Singh  
Accounts officer

Verified as per ESO/SG & Bills / Fuel data received from TPS  
Manoj Kumar  
AE (Comml.)

U.P. Vidyut Utpadan Nigam Ltd.  
Shakti Bhawan Extn.  
Lucknow - 226001  
Tel No. - 0522-228856  
0522-228856