

Office of Chief Engineer
Commercial Unit



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

cecommercialunl@gmail.com

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

Date: , September-2024

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

Main Bill No.:- UNL/Energy Bill(SG/ESO)/2024-08/01, dt. 04.09.2024

1164.5596417 Crs

(Rs One thousand one hundred and sixty four crore, fifty five lacs, ninety six thousand, four hundred and seventeen 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. 03.09.2024.

Encl.: As above.

(Hari Shyam)

S.E. (Commercial)

Date: 4, September-2024

No. 489 /UNL/CE(Comml.)/Energy Bill/FY (2024-25)

Copy forwarded to the followings 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 Extn, Lucknow.

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

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

(Hari Shyam)

S.E. (Commercial)

U.P. Raja Vidyut Utpadan Nigam Ltd.
 14th Floor, Shakti Bhawan Extn., Lucknow
 GST Reg. No. 09AAACU4797P6Z8

Aug-24
 U.P. Power Corporation Ltd.
 Shakti Bhawan, Extn.
 14, Ashok Marg, Lucknow
 09AAACU5088M4ZM

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

Billing No. :
 Bill Date :
 Due Date :
 Reference-

UNL/Energy Billed (SG/ESO)/2024-08/01
 04/09/2024
 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, 05.02.2024, 20.02.2024, 16.04.2024 & 06.05.2024
 (ii) UPERC Gen Reg. 19 Dt. 11.09.2019
 (iii) PPA for various Thermal Power Stations.

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

Provisional Main Energy Bill of UPRVNL to UPPCL for Anpara A, Anpara B, Anpara D, Obra B, Obra C, Parichha B, Parichha C, Hardungani C, Hardungani D, Jawaharpur TPS.

Name of Thermal Power Station	Approved Plant capacity as per UPERC T.O.	No. of Months w.e.f April 2024	Cum. Plant Availability		Capacity charges (Fixed Charges)	Amount of annual capacity charges corresponding to Column 6 (A/C/2) (Rs. Crs)	Amount of capacity charges payable for the month (Rs. Crs)	Scheduled Generation by SLDC Energy Sent Out by Plants (MUD)	Rate of Energy Charges (REC) (Rs/kwh)	Total Energy Charges (Rs. Crs)	Total Amount Capacity Charges Energy Charges (Rs. Crs)
			Target (%)	Actual (%)							
Anpara 'A'	630	5	85	79.09	93.05	263.1360950	18.1291956	265.042345	1.82	48.2377068	66.3669024
Anpara 'B'	1000	5	85	82.83	97.45	316.0790750	27.7346279	576.5643275	1.69	97.4393713	125.1739992
Anpara 'D'	1000	5	85	95.09	100.00	1088.7500000	90.7291667	643.8841825	1.44	92.7193223	183.4484890
Obra 'B'	1000	5	80	65.38	81.73	488.9252060	36.9151592	345.7340850	2.53	87.4707235	124.3858827
Obra 'C'	660	5	85	40.09	47.16	324.0599400	9.5971950	66.4006650	1.90	12.6161264	22.2133214
Parichha B	420	5	85	89.41	100.00	316.5700000	26.3808333	161.3510750	3.51	56.6342273	83.0150606
Parichha C	500	5	85	92.64	100.00	452.9600000	37.7466667	200.4623475	3.51	70.3622840	108.1089507
Hardunganj C	110	5	65	76.23	100.00	101.2400000	8.4366667	34.7370625	3.83	13.3042949	21.7409616
Hardunganj D	500	5	85	90.52	100.00	483.5700000	40.2975000	189.2575025	3.45	65.2938384	105.5913384
Hardunganj E	660	5	85	89.65	100.00	895.0000000	74.5833333	274.0973250	3.42	93.7412852	168.3246185
Jawaharpur	660	5	85	41.06	48.31	390.9100270	69.4470153	272.7770500	3.18	86.7431019	156.1901172
Total Amount Payable	7130					5121.2003430	439.9973597	3030.3079675		774.5622820	1164.5596417

Total Amount Payable
 (Rs. One thousand one hundred and sixty four crore, fifty five lacs, ninety six thousand, four hundred and seventeen 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 n month=(nxA/C/2)-(n)x(A/C/2-1)/12
 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&PC/UPRVNL/J-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 (Commnl.)

(Raj Kumar Verma)
 AE (Commnl.)

(Vinay Prakash Singh)
 Accountant

(Virendra Kumar Sami)
 Accounts officer

(Raj Kumar Verma)
 AE (Commnl.)

(Ritu Singh)
 EE (Commnl.)

Office of Chief Engineer
Commercial Unit



U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th 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: 01 , October- 2024

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

Subject: Provisional Bill of FCA of various TPS of UPRVUNL for August -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 **August-2024**, is being enclosed herewith for payment:-

(1) FCA Bill No.:- UNL/FCA/2024-08/02, dt. 01.10.2024 **215.9344075 Crs**

(Rs Two hundred and fifteen crore, ninety three lacs, forty four thousand, and seventy 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. 28.09.2024 of Anpara and Jawaharpur Thermal Power Project and last approval on ERP on dt. 01.10.2024 by Anpara BTPS.

Encl.: As above

(Hari Shyam)
S.E. (Commercial)

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

Date: 01 , October- 2024

Copy forwarded to the followings 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 Extn, Lucknow.

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

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

(Hari Shyam)
S.E. (Commercial)



U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti Bhawan Extn., Lucknow - 226001
GST Reg. No.: 09AAACU4797P6Z8

Bill of supply of Power for month : August-2024

Name of Customer :- U.P. Power Corporation Ltd.
 Shakti Bhawan, Extn.
 14, Ashok Marg, Lucknow
 09AAACU5088M4ZM

FCA Bill No. : UNL/FCA/2024-08/02

Bill Date : 01.10.2024
 Due Date : 30 Days from the billing 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 Regu.,2019 Dt. 11.09.2019
 (iii) Fuel data from Plants (certified by Cost Accountant)
 (iv) PPA for various Thermal Power Stations.

GST Reg. No.:

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 & GCV of fuel for various TPS of UPRVNL for the month of August-2024 raised to UPPCL as per UPERC Gen.Tariff Regu.,2019 Dt.11.09.2019

Sr.No	Parameter	Symbol	Unit	ANPARA ATPS	ANPARA BTPS	ANPARA DTPS	OBRA BTPS	HARDUAGANJ CTPS	HARDUAGANJ DTPS	HARDUAGANJ ETPS	PARICHHA BTPS	PARICHHA CTPS	TOTAL
A	ENERGY EXPORTED & BILLED (ESO)	ESO	MJ	U#1,2&3 265.0423450	U#4&5 576.5643275	U#6&7 643.8841825	U# 9 To 13 345.7340850	U#7 34.7370825	U#8&9 188.2575025	U#10 274.0973250	U#3 & 4 161.3510750	U#5&6 200.4623475	
Normative Operating Parameters													
B	GROSS STATION HEAT RATE (GSHR)	H	KCAL/KW	002430 0.50	002390 0.50	002374 0.50	002755 2.10	002625 2.50	002430 0.50	002081 0.50	002430 0.50	002430 0.50	
C	SP. OIL CONS.	(OS)N	ML/KWH	0.50	0.50	0.50	2.10	2.50	0.50	0.50	0.50	0.50	
D	AUXILIARY ENERGY CONSUMPTION	AUXN	%	8.50	6.55	6.25	9.70	9.50	9.00	6.25	9.00	9.00	
Fuel Data for the month													
E	PRICE OF PRIMARY FUEL (COAL)	PP	RS./KG	2.69718	2.83380	2.63256	2.93894	5.62877	5.69776	6.26703	4.41455	4.41455	
F	PRICE OF SECONDARY FUEL (OIL)	PS	RS./ML	0.07681290	0.07681290	0.07681290	0.07527873	0.06987159	0.06987159	0.07318350	0.07932838	0.07932838	
G	GROSS CALORIFIC VALUE OF PRIMARY FUEL (COAL)	CP	KCAL/KG	3138.00000	3379.00000	3469.00000	3276.00000	3060.00000	3229.00000	3294.00000	3085.00000	3085.00000	
H	GCV OF PRIMARY FUEL(COAL) LESS 85 KCAL/KG ON ACCOUNT OF VARIATION DURING STORAGE (CP1 = CP-85)	CP1	KCAL/KG	3053.00000	3294.00000	3384.00000	3191.00000	2975.00000	3144.00000	3209.00000	3000.00000	3000.00000	
I	GROSS CALORIFIC VALUE OF SECONDARY FUEL(OIL)	CS	KCAL/LI	9216.77000	9216.77000	9216.77000	9217.00000	10570.00000	10570.00000	10570.00000	9216.00000	9216.00000	
Formula of ECR													
$ECR = 100 \times (PP \times H - (OS)N \times Cal(100) / CP1 + PS \times (OS)N) / (100 - AUXN)$													
J	ENERGY CHARGE RATE FOR THE MONTH(ECR)	ECR	RS./KWH	2.3837	2.2371	2.0071	2.9653	5.6257	4.8672	4.3631	3.9656	3.9656	
K	ALREADY CLAIMED RATE OF ENERGY CHARGEAS (ECR1)	ECR1	RS./KWH	1.8200	1.6900	1.4400	2.5300	3.8300	3.4500	3.4200	3.5100	3.5100	
L	DIFF IN REC (J-K)	ECR2	RS./KWH	0.5637	0.5471	0.5671	0.4353	1.7957	1.4172	0.9431	0.4556	0.4556	
M	AMT. OF ENERGY CHARGE DUE TO VARIATION IN FUEL DATA (AXL)J/10		RS. CRS	14.9404370	31.5438344	36.5146720	15.0498047	6.2377343	26.8215733	25.9501187	7.3511550	9.1330646	
TOTAL FCA BILLED AMOUNT (CR)													

Total Amount Payable (Cr) : RUPEES TWO HUNDRED FIFTEEN CRORE NINETY THREE LAKH FORTY FOUR THOUSAND SEVENTY FIVE ONLY

Prepared By A.E. (Comml.) MANOJ KUMAR - (101385)	Checked By Accountant VINAY SINGH - (104954)	Checked By Accounts Officer VIRENDRA KUMAR SAINI - (100412)	Verified By E.E. (Comml.) RITU SINGH - (100729)
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Note: This is ERP generated bill. Physical signature is not required.



U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti Bhawan Extn., Lucknow - 226001
GST Reg. No.: 09AAACU4797P6Z8

Bill of supply of Power for month : August-2024
 Name of Customer :- U.P. Power Corporation Ltd.
 Shakti Bhawan, Extn.
 14, Ashok Marg, Lucknow
 09AAACU5088M4ZM

FCA Bill No. : UNL/FCA/2024-08/02
 Bill Date : 01.10.2024
 Due Date : 30 Days from the billing date
 Reference : (i) UPERC Tariff Order Dt.29.04.2016, 24.05.2023, 29.05.2023, 16.06.2023,
 05.02.2024, 20.02.2024 & 16.04.2024

(ii) UPERC Gen Regu.,2019 Dt. 11.09.2019
 (iii) Fuel data from Plants (certified by Cost Accountant)
 (iv) PPA for various Thermal Power Stations.

UPRVUNL 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 & GCV of fuel for various TPS of UPRVUNL for the month of August-2024 raised to UPPCL as per UPERC Gen.Tariff Regu.,2019 Dt.11.09.2019

Sr.No	Parameter	Symbol	Unit	OBRA CTPS	JAWAHARPUR JTPS	TOTAL
A	ENERGY EXPORTED & BILLED (ESO)	ESO	MU	U# 66.4006650	U# 272.7770500	3030.3079675
Normative Operating Parameters						
B	GROSS STATION HEAT RATE (GSHR)	H	KCAL/KW	002182	002049	
C	SP. OIL CONS.	(OS)N	ML/KWH	0.50	0.50	
D	AUXILIARY ENERGY CONSUMPTION	AUXN	%	6.25	5.75	
Fuel Data for the month						
E	PRICE OF PRIMARY FUEL (COAL)	PP	RS./KG	6.79699	6.15706	
F	PRICE OF SECONDARY FUEL (OIL)	PS	RS./ML	0.07698786	0.07532935	
G	GROSS CALORIFIC VALUE OF PRIMARY FUEL	CP	KCAL/KG	3350.00000	3445.17000	
H	GCV OF PRIMARY FUEL(COAL) LESS 85 KCAL/	CP1	KCAL/KG	3265.00000	3360.17000	
I	GROSS CALORIFIC VALUE OF SECONDARY FU	CS	KCAL/LI	9217.00000	10570.00000	
Formula of ECR $ECR = 100 \frac{PP(H - (OS)n + Cs/1000)/Cp1 + Ps}{(Gs)n} / (100 - AUXn)$						
J	ENERGY CHARGE RATE FOR THE MONTH(ECR)	ECR	RS./KWH	4.8761	4.0133	
K	ALREADY CLAIMED RATE OF ENERGY CHARG	ECR1	RS./KWH	1.9000	3.1800	
L	DIFF IN REC (J-K)	ECR2	RS./KWH	2.9761	0.8333	
M	AMT. OF ENERGY CHARGE DUE TO VARIATIO		RS. CRS	19.7615019	22.7305116	
TOTAL FCA BILLED AMOUNT (CR)						215.9344075

Total Amount Payable (Cr) : RUPEES TWO HUNDRED FIFTEEN CRORE NINETY THREE LAKH FORTY FOUR THOUSAND SEVENTY FIVE ONLY

Prepared By A.E. (Comml.)	Checked By Accountant	Checked By Accounts Officer	Verified By E.E. (Comml.)
MANOJ KUMAR - (101385)	VINAY SINGH - (104954)	VIRENDRA KUMAR SAINI - (100412)	RITU SINGH - (100729)

Note: This is ERP generated bill. Physical signature is not required.