

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.)/Energy Bill/FY (2024-25)

Date: , October- 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 September-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 **September- 2024** as detailed below, is being enclosed for payment:-

Main Bill No.:- UNL/Energy Bill(SG/ESO)/2024-09/01, dt. 04.10.2024

**1135.2104048 Crs**

**(Rs One thousand one hundred and thirty five crore, twenty one lacs, four thousand and forty eight 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 by mail and checked by ABT on dt. 03.10.2024 and last approval on ERP on dt. 04.10.2024 by Jawaharpur TPS.

Encl.: As above.

(Hari Shyam)

S.E. (Commercial)

No. 545/UNL/CE(Comml.)/Energy Bill/FY (2024-25)

Date: 04 October- 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 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.

(Hari Shyam)

S.E. (Commercial)



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

**UPRVNL**  
 Bill of supply of Power of the month : September-2024  
 Name of Customer :- U.P. Power Corporation Ltd.  
 Shakti Bhawan, Extn.  
 14, Ashok Marg, Lucknow  
 09AAAACU5088M4ZM

Main Bill No : UNL/Energy Bill (SG/ESO)/2024-09/01  
 Bill Date : 04.10.2024  
 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

GST Reg. No:

(ii) UPERC Gen Reg.'19 Dt. 11.09.2019  
 (iii) PPA for various Thermal Power Stations.

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

Provisional Main Energy Bill of UPRVNL to UPPCL for Anpara-A TPS, Anpara-B TPS, Parichha-B TPS, Parichha-C TPS, Anpara-D TPS, Anpara-E TPS, Harduaganj-D TPS, Harduaganj-E TPS

Projects	Approved Plant Capacity as per UPERC T.O (MW)	Cum.plant Availability		Capacity charges(Fixed Charges)			Energy Charge(E.C)			Total Amount		
		No.of Months w.e.f April 2024	Target by UPERC	Actual Till Current Month w.e.f April 2024	Total Capacity Charges Approved by UPERC (Rs.Crs)	Percentage to be Recovered	Amount of Annual capacity charges corresponding to column 6 (Rs.Crs)	Amount of Capacity Charges payable for month (Rs.Crs)	Scheduled Generation by SLDC / Energy sent out by Plants (MU)		Energy Charge Rate (ECR) (Rs/Kwh)	Total Energy Charges (Rs.Crs)
	1	2	3	4#	5	6##	7=(5X6)/100	8###	9	10	11 = (9x10)/10	12=(8+11)
Anpara-A TPS	630	6	85	79.94	282.79	94.05	265.9639950	23.3419579	317.4334100	1.82	57.7728806	81.1148385
Anpara-B TPS	1000	6	85	83.37	324.35	98.08	318.1224800	27.3616254	529.4193525	1.69	89.4718706	116.8334960
Anpara-D TPS	1000	6	85	94.81	1088.75	100	1088.7500000	90.7291667	579.2911875	1.44	83.4179310	174.1470977
Harduaganj-CTPS	110	6	65	78.36	101.24	100	101.2400000	8.4366667	21.6199500	3.83	8.2804409	16.7171076
Harduaganj-D TPS	500	6	85	91.37	483.57	100	483.5700000	40.2975000	122.2690550	3.45	42.1828240	82.4803240
Harduaganj-E TPS	660	6	85	90.92	895	100	895.0000000	74.5833333	206.9460925	3.42	70.7755636	145.3588969
Jawaharpur-J TPS	660	6	85	48.28	809.17	56.8	459.6085600	66.9251021	232.1010375	3.18	73.8081299	140.7332320
Obra-B TPS	1000	6	80	64.4	598.22	80.5	481.5671000	37.0647142	328.9049350	2.53	83.2129486	120.2776628
Obra-CTPS	660	6	85	41.67	687.15	49.02	336.8409300	33.3954900	190.0954900	1.90	36.1161431	69.5136331
Parichha-B TPS	420	6	85	89.58	316.57	100	316.5700000	26.3808333	167.6879900	3.51	58.8584845	85.2393178
Parichha-CTPS	500	6	85	91.32	452.96	100	452.9600000	37.7466667	185.3223125	3.51	65.0481317	102.7947984
	7140				6039.77		5200.1930650	466.2630563	2881.0908125		668.9473485	1135.2104048

**Total Amount Payble**

**Rs Crs. 1135.2104048**

(RUPEES ONE THOUSAND ONE HUNDRED THIRTY FIVE CRORE TWENTY ONE LAKH FOUR THOUSAND FORTY EIGHT ONLY)

# from cumulative availability sheet  
 ## Column No 6= 100% if Col.4 >= Col.3, else, Col.6=(Col.4/Col.3)\*100  
 ### Column No 8=(Col.2\*Col.7 of this month-Col.2\*Col.7 of previous month)/12  
 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/EI&PC/UPRVUNL/U-4, DT.03.05.2018 is Rs 1088.75 Crs.  
 Effective Annual Capacity charge on 2% RoE as per Principle Secretary (Energy)'s Letter no. 1714/24-1-2017-1714 (B)/2017, dt. 31.07.2017 & as per UPRVUNL BOD decision dt. 09.04.2018 in their 175th meeting (Agenda item 175.2).

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

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

Month	Days	Cum Days	6.01			6.02			6.03			6.04			6.05			6.06			6.07			6.08		
			Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)
Apr-24	30	30	355.000000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	14.792	51.875000	
May-24	31	61	357.374000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	14.891	52.150000	
Jun-24	30	91	333.480750	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	13.895	45.875000	
Jul-24	31	122	346.362250	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	14.453	49.875000	
Aug-24	31	153	391.336750	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	17.722	66.375000	
Sep-24	30	183	349.966500	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	14.579	50.875000	
Oct-24	31	214																								
Nov-24	30	244																								
Dec-24	31	275																								
Jan-25	31	306																								
Feb-25	28	334																								
Mar-25	31	365																								
Total			3033.960250		3441.595250		3903.879375		4354.007500		4808.337500		5263.675000		5719.012500		6174.500000		6629.975000		7085.450000		7540.925000		8000.400000	

Month	Days	Cum Days	6.09			6.10			6.11			6.12			6.13			6.14			6.15			6.16		
			Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)	Declared Cap.(MW)	Com Av (%)	AV (MW)
Apr-24	30	30	306.790975	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	12.781	39.125000	
May-24	31	61	335.580250	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	13.983	45.875000	
Jun-24	30	91	285.217625	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	11.884	34.125000	
Jul-24	31	122	251.617125	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	10.884	29.125000	
Aug-24	31	153	333.177240	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	13.882	45.875000	
Sep-24	30	183	313.607375	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	13.867	42.875000	
Oct-24	31	214																								
Nov-24	30	244																								
Dec-24	31	275																								
Jan-25	31	306																								
Feb-25	28	334																								
Mar-25	31	365																								
Total			1825.952713		2476.835708		2931.675000		3436.512500		3941.400000		4446.287500		4951.175000		5456.062500		5960.947500		6465.832500		6970.717500		7475.602500	

Cumulative Availability (Cap (1000) x DC / (PAK) x (1000) x AV) %  
 DC = Average declared capacity for the 1<sup>st</sup> day of the period in MW.  
 AV = Number of days during the period, and  
 PA = Normative Auxiliary Energy Consumption as a percentage of gross generation.

DC up to Month: 2222.831626 AH  
 Availability have been calculated as per new Auxiliary Consumption Norms, w.e.f. 01.04.2019 for MYT 2019-24 as per UPERC (Terms & Conditions for Generation Tariff) Regulations-2019, dt. 11.09.2019.

DC up to Month: 1826.952829 AH  
 Availability have been calculated as per new Auxiliary Consumption Norms, w.e.f. 01.04.2019 for MYT 2019-24 as per UPERC (Terms & Conditions for Generation Tariff) Regulations-2019, dt. 11.09.2019.

*(Signature)*  
 AE (CommL)

*(Signature)*  
 EE (CommL)

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 : U31901UP1985GC007135  
E-mail: [gm.commercial@uprvunl.org](mailto:gm.commercial@uprvunl.org)  
[cecommercialunl@gmail.com](mailto:cecommercialunl@gmail.com)

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

Date: 29, October-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 September -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 **September-2024**, is being enclosed herewith for payment:-

(1) FCA Bill No.:- UNL/FCA/2024-09/02, dt. 29.10.2024 **220.6946699 Crs**  
(Rs Two hundred and twenty crore, sixty nine lacs, forty six thousand, six hundred and ninety nine 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. 28.10.2024 of Obra Thermal Power Project.

Encl.: As above

(Hari Shyam)  
S.E. (Commercial)

No. 602 /UNL/CE(Comm.)/FCA/FY (2024-25)

Date: 29, October-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 & Comm.), 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), 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.

(Hari Shyam)  
S.E. (Commercial)

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

September, 2024  
U.P. Power Corporation Ltd.  
Shakti Bhawan, Extn.  
14, Ashok Marg, Lucknow  
09AAAACU5088M4ZM

Bill of supply of Power for Month:

Name of Customer :-

GST Reg. No 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/FCA/2024-09/02  
Bill No.-  
29/10/2024  
30 Days from the billing date  
(i) UPERC Tariff Order Dt. 29.04.2016, 24.05.2023, 29.05.2023, 16.06.2023,  
(ii) UPERC Tariff Order Dt. 20.02.2024, 16.04.2024 & 06.05.2024  
(iii) UPERC Gen Regu., 2019 Dt. 11.09.2019  
(iv) PPA for various Thermal Power Stations.

UNL/FCA/2024-09/02  
Bill No.-  
29/10/2024  
30 Days from the billing date  
(i) UPERC Tariff Order Dt. 29.04.2016, 24.05.2023, 29.05.2023, 16.06.2023,  
(ii) UPERC Tariff Order Dt. 20.02.2024, 16.04.2024 & 06.05.2024  
(iii) UPERC Gen Regu., 2019 Dt. 11.09.2019  
(iv) PPA for various Thermal Power Stations.

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

S.No.	Parameters	Symbol	Unit	Anpara A	Anpara B	Anpara D	Anpara B	Obra C	Pari Extn.	Pari Extn. Stage-2	Harduaganj Extn.	Harduaganj Extn.-II	Jawaharpur	Total
A	Energy Exported & Billed (ESO)	ES0	Mt	U#1,2&3 317.4334100	U#4&5 529.4193525	U#6&7 579.291188	U#9 to 13 328.9049350	U#3&4 167.6879900	U#5&6 185.323125	U#7 21.6199500	U#8&9 122.2690550	U#10 206.9460925	U#11 232.1010375	2881.0908125
B	Gross Station Heat Rate (GSHR)	H	Kcal/Kwh	2430	2390	2374	2755	2182	2430	2625	2430	2081	2049	
C	Sp Oil Cons	(Qsm)	ml/Kwh	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
D	Auxiliary Energy Consumption	AUXn	%	8.50	6.55	6.25	9.70	6.25	9.00	9.50	9.00	6.25	5.75	
E	Price of Primary fuel (Coal)	Pp	Rs. Kg	2.66313	2.72228	2.59758	3.84454	5.49398	4.26421	5.16759	5.72321	6.09958	6.18552	
F	Price of Secondary fuel (Oil)	Ps	Rs. mt	0.07681290	0.07681290	0.07681290	0.07263165	0.07476946	0.07932838	0.07932838	0.07015823	0.07275710	0.07532935	
G	Gross Calorific Value of Primary fuel (Coal)	Cp	Kcal/Kg	3373.00	3443.00	3415.00	3163.00	3166.00	3168.00	2889.00	3374.00	3296.00	3436.37	
H	Gross Calorific Value of Primary fuel (Coal) less 85 Kcal/Kg on account of variation during storage (Cp1 - Cp-85)	Cp1	Kcal/Kg	3288.00	3358.00	3330.00	3078.00	3081.00	3083.00	3083.00	3289.00	3211.00	3351.37	
I	Gross Calorific Value of Secondary fuel (oil)	Cs	Kcal/Lit	9216.77	9216.77	9216.77	9217.00	9217.00	9216.00	9216.00	10570.00	10570.00	10570.00	
J	Formula of ECR	ECR	Rs./Kwh	2.1889	2.1104	2.0124	3.9529	4.1814	3.7300	3.7300	5.4855	4.6751	4.0421	
K	Energy Charge Rate for the month (ECR)	ECR1	Rs./Kwh	1.8200	1.6900	1.4400	2.3300	1.9000	3.5100	3.5100	3.8500	3.4500	3.18	
L	Already claimed energy charge rate (ECR1)	ECR2	Rs./Kwh	0.3689	0.4204	0.5724	1.4229	2.2814	0.2200	0.2200	1.6555	1.2251	0.8247	
M	Diff in ECR (J-K)													
	Amt. of Energy Charge due to variation in fuel data (Axi)/10		Rs Crs	11.710185	22.2567896	33.1586276	46.7998832	43.3683851	3.6891358	4.0770909	3.5791827	14.9791819	17.0668442	220.6946699

Total Amount Payable (Cr)

220.6946699

(Rs Two hundred and twenty crore, sixty nine lacs, forty six thousand, six hundred and ninety nine only)

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  
EA (Comml.)

Manoj Kumar  
AE (Comml.)

Vinay Prakash Singh  
Accounts officer

Virender Kumar Saini  
Accounts officer

Manoj Kumar  
AE (Comml.)

Abhishek Srivastava  
EE (Comml.)