

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
CIN : U 31901UP1985SGC007135
gm.commercial@uprvunl.org

No. /UNL/CE(Comml.)/Energy Bill/FY (2023-24)

Date: 04 , April- 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 March-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 **March- 2024** as detailed below, is being enclosed (ERP Generated) for payment:-

Main Bill No.:- UNL/Energy Bill(SG/ESO)/2024-03/01, dt. 04.04.2024

973.8615196 Crs

(Rs Nine hundred and seventy three crore, eighty six lacs, fifteen thousand, one hundred and ninety six 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, 05.02.2024 & 20.02.2024 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.

Last Energy Accounts from SLDC/ABT received on dt. 03.04.2024.

Encl.: As above.

(Hari Shyam)

S.E. (Commercial)

No. 173 /UNL/CE(Comml.)/Energy Bill/FY (2023-24)

Date: 04 , April- 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. CE (Commercial/TO), UPRVUNL, 14th floor, Shakti Bhawan Extn, Lucknow.
2. Chief General Manager, UPRVUNL, Anpara, Obra, Parichha, Harduaganj TPS.
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
GST Reg. No.: 09AAACU4749D2Z9

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

Main Bill No : UNL/Energy Bill (SG/ESO)/2024-03/01
 Bill Date : 05.04.2024
 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
 (ii) UPERC Gen Reg.'19 Dt. 11.09.2019
 (iii) PPA for various Thermal Power Stations.

GST Reg. No:

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

Provisional Main Energy Bill of UPRVUNL to UPPCL for , Anpara-ATPS, Anpara-BTPS, Obra-BTPS, Parichha-BTPS, Harduaganj-CTPS, Parichha-CTPS, Anpara-DTPS, Harduaganj-DTPS and Harduaganj-ETPS.

Projects	Approved Plant Capacity as per UPERC T.O (MW)	No.of Months w.e.f April 2024	Cum.plant Availability		Capacity charges(Fixed Charges)			Energy Charge(E.C)			Total Amount	
			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-ATPS	630	12	85	71.22	282.79	83.79	236.9497410	22.7787345	328.2513300	1.83	60.0699934	82.8487279
Anpara-BTPS	1000	12	85	70.48	324.35	82.92	268.9510200	22.3828529	474.9208375	1.70	80.7365424	103.1193953
Anpara-DTPS	1000	12	85	85.83	1088.75	100	1088.7500000	92.7252083	646.8364125	1.44	93.1444434	185.8696517
Harduaganj-CTPS	110	12	65	72.9	101.24	100	101.2400000	8.4366667	11.4005000	3.83	4.3663915	12.8030582
Harduaganj-DTPS	500	12	85	91.62	483.57	100	483.5700000	40.2975000	75.5028700	3.45	26.0484902	66.3459902
Harduaganj-ETPS	660	12	85	82.18	895	96.68	865.2860000	85.8901667	274.7378750	3.42	93.9603533	179.8505200
Obra-BTPS	1000	12	80	59.76	598.22	74.7	446.8703400	39.8165262	369.8324350	2.53	93.5676061	133.3841323
Parichha-BTPS	420	12	85	84.4	316.57	99.29	314.3223530	28.9213076	181.4526775	3.51	63.6898998	92.6111974
Parichha-CTPS	500	12	85	83.61	452.96	98.36	445.5314560	41.0306267	216.5191450	3.51	75.9982199	117.0289466
	5820				4543.45		4251.4709100	382.2795896	2579.4540825		591.5819300	973.8615196

Total Amount Payble

Rs Crs. 973.8615196

(RUPEES NINE HUNDRED SEVENTY THREE CRORE EIGHTY SIX LAKH FIFTEEN THOUSAND ONE HUNDRED NINETY SIX 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.7of 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/EIE&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. (Comm.)	Accountant	Accounts Officer	E.E. (Comm.)
MANOJ KUMAR - (101385)	GOGA PANDEY - (102160)	RAJENDRA SINGH - (101344)	RITU SINGH - (100729)

Cumulative Availability for FY2023-2024

Month	Days	Cumm. Days N	630			9,000			6,880			1000			6,250			1000			AUXn	9,700
			Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)		
APR-2023	30	30	202.3707500	8432	8432	48.76	378.7870000	15783	15783	56.30	600.4357500	25018	25018	88.95	337.9797500	14082	14082	51.98				
MAY-2023	31	61	238.1550000	9923	18355	52.20	640.3977500	26683	42466	74.50	661.0361250	27543	52561	91.91	324.7272500	13530	27612	50.13				
JUN-2023	30	91	214.6842500	8945	27300	52.33	624.1502500	26006	68472	80.80	614.8640000	25619	78180	91.64	313.2795000	13053	40665	49.49				
JUL-2023	31	122	318.0442500	13252	40552	57.98	584.0397500	24335	92807	81.69	640.9333750	26706	104886	91.70	393.5277500	16397	57062	51.80				
AUG-2023	31	153	357.9902500	14916	55468	63.24	555.1477500	23131	115938	81.38	642.4028750	26767	131653	91.78	443.3192500	18472	75534	54.67				
SEP-2023	30	183	333.7942500	13908	69376	66.13	650.5202500	27105	143043	83.94	609.5652500	25399	157052	91.54	422.1277500	17589	93123	56.35				
OCT-2023	31	214	197.2145000	8217	77593	63.25	595.1965000	24800	167843	84.23	649.8237500	27076	184128	91.78	440.4102500	18350	111473	57.69				
NOV-2023	30	244	286.5060000	11938	89531	64.00	313.1647500	13049	180892	79.61	563.1447500	23464	207592	90.75	431.0076250	17959	129432	58.74				
DEC-2023	31	275	380.4125000	15851	106382	66.84	333.7410000	13906	194798	76.07	301.3627500	12557	220149	85.39	419.2797500	17470	146902	59.16				
JAN-2024	31	306	375.0132500	15626	121008	68.98	261.9917500	10916	205714	72.19	591.8455000	24660	244809	85.34	459.3150000	19138	166040	60.09				
FEB-2024	29	335	333.0852500	13879	134887	70.23	340.5060000	14188	219902	70.49	518.2980000	21596	266405	84.83	325.7505000	13573	179613	59.38				
MAR-2024	31	366	349.2252500	14551	149438	71.22	487.7492500	20323	240225	70.48	674.2775000	28095	294500	85.83	429.0615000	17878	197491	59.76				
Total			3586.4955000				5765.3920000				7067.9896250				4739.7858750							

Month	Days	Cumm. Days N	110			9,500			9,000			660			6,250							
			Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum Ava (%)				
APR-2023	30	30	2817	2817	2817	94.32	247.6728750	10320	10320	75.60	381.1918750	15883	15883	85.56								
MAY-2023	31	61	2885	5702	5702	93.90	328.5058525	13688	24008	86.50	403.7987500	16825	32708	86.66								
JUN-2023	30	91	2787	8489	8489	93.71	316.3737500	13182	37190	89.82	357.6266250	14901	47609	84.55								
JUL-2023	31	122	2589	11078	11078	91.21	327.0203750	13626	50816	91.54	424.9192825	17705	65314	86.52								
AUG-2023	31	153	1760	12838	12838	84.29	314.8105000	13117	63933	91.84	401.2724000	16720	82034	86.65								
SEP-2023	30	183	1733	14571	14571	79.98	280.9935550	11708	75641	90.84	380.2082975	15842	97876	86.44								
OCT-2023	31	214	0	14571	14571	68.40	246.5650600	10274	85915	88.24	297.1586175	12382	110258	83.27								
NOV-2023	30	244	2802	17373	17373	71.52	315.2731250	13136	99051	89.22	341.0634500	14211	124469	82.44								
DEC-2023	31	275	1466	18839	18839	68.82	331.9524450	13831	112882	90.22	180.9845900	7541	132010	77.58								
JAN-2024	31	306	2339	21178	21178	69.52	331.1592500	13798	126680	90.99	437.5717650	18232	150242	79.35								
FEB-2024	29	335	2531	23709	23709	71.09	309.4397500	12893	139573	91.57	411.3532500	17140	167382	80.75								
MAR-2024	31	366	2853	26562	26562	72.90	311.8516250	12994	152567	91.62	449.2972500	18721	186103	82.18								
Total							3661.6181625				4466.4461525											

Month	Days	MW		420		AUXn		9,000		MW		500		AUXn		9,000	
		Declared Cap.(MU)	Declared Cap.(MW)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum.Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum.Ava (%)	Declared Cap.(MU)	Declared Cap.(MW)	Declared Cap.(MW)	Cum.Decl.Cap(MW)	Cum.Ava (%)	
APR-2023	30	269.6691000	11236	11236	11236	97.99	321.8877500	13412	13412	98.26							
MAY-2023	31	265.7493750	11073	22309	22309	95.69	333.9387500	13914	27326	98.45							
JUN-2023	30	263.8503050	10994	33303	33303	95.75	319.9051250	13329	40655	98.19							
JUL-2023	31	267.3336550	11139	44442	44442	95.31	326.9928350	13625	54280	97.78							
AUG-2023	31	234.5854800	9774	54216	54216	92.71	293.0156650	12209	66489	95.51							
SEP-2023	30	218.8018750	9117	63333	63333	90.55	298.7828750	12449	78938	94.80							
OCT-2023	31	228.1851250	9508	72841	72841	89.06	288.4816350	12020	90958	93.41							
NOV-2023	30	232.2200000	9676	82517	82517	88.48	139.0267250	5793	96751	87.15							
DEC-2023	31	260.8028750	10867	93384	93384	88.85	164.7300250	6864	103615	82.81							
JAN-2024	31	134.3989500	5600	98984	98984	84.64	228.0556750	9502	113117	81.24							
FEB-2024	29	193.3132500	8055	107039	107039	83.60	314.4939750	13104	126221	82.81							
MAR-2024	31	264.7005500	11029	118068	118068	84.40	312.3779800	13016	139237	83.61							
Total		2833.6105400					3341.6890150										

Cumulative Availability (%)= $\frac{\sum_{i=1}^N 10000 \times DC_i}{\sum_{i=1}^N (N \times DC_i + (N \times (100 - AUX_n)) \times N)}$ %

DCi= 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.

Month: March 2024 DC up to Month (in MU): 36100.49957 SG up to Month (in MU): 30704.1475225

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.

Checked By	Verified By
A.E. (Comml.)	E.E. (Comml.)
MANOJ KUMAR	RITU SINGH
101385	100729

Note: This is System Generated sheet. So, No physical signature is required.

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 31901UP1985SGC007135
gm.commercial@uprvunl.org

cecommercialunl@gmail.com

No. ²²⁹ /UNL/CE(Comml.)/Energy Bill/FY (2023-24)

Date: ³⁰, April- 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 Unit-1 of Obra 'C' TPS of UPRVUNL for the month March-2024.

The Provisional Main Energy bill of Unit-1 of Obra 'C' Thermal Power Stations against Electricity supplied by U.P. Rajya Vidyut Utpadan Nigam Ltd. to U.P. Power Corporation Ltd. during month **March-2024** as detailed below, is being enclosed for payment:-

Main Bill No.:- UNL/Energy Bill(SG/ESO)/2024-03/01A/Obra C, dt. 30.04.2024 **0.0152058 Crs**
(Rs One lac, fifty two thousand and fifty eight only)

It is, therefore, requested that the payment of this Bill in accordance with UPERC Tariff Order dt. 05.02.2024, 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.

In reference to your letter no.1914/EIE&PC/Start-up Power, dt. 30.03.2024 (attached) regarding adjustment of Energy against Start-up Power, it is to inform that treatment of Start-up Power will be carried out with the Infirm Power of the Power Station later on.

Encl.: As above.

No. ²²⁹ /UNL/CE(Comml.)/Energy Bill/FY (2023-24)

(Hari Shyam)
S.E. (Commercial)
Date: ³⁰, April- 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. CE (Commercial/TO), UPRVUNL, 14th floor, Shakti Bhawan Extn, Lucknow.
2. Chief General Manager, UPRVUNL, Obra TPS, Sonebhadra.
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.

(Signature)
30.04.2024
(Hari Shyam)
S.E. (Commercial)

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

Mar-24
Bill of supply of Power of the month :
Name of Customer :-

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

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

UNL/Energy Bill (SG/ESO)/2024-03/01A/Obra C
Bill No. : 30.04.24
Bill Date :
30 Days from the billing date
(i) UPERC Tariff Order Dt. 05.02.2024.
(ii) UPERC Gen Reg.'19 Dt. 11.09.2019
(iii) PPA for Obra 'C' Thermal Power Stations.

Provisional Main Energy Bill of UPRVNL raised to UPPCL for Unit 1 of Obra 'C' Thermal Power Station.

Name of Thermal Power Station	Approved Plant capacity as per UPERC T.O.	No. of Months w.e.f April 2023	Cum. Plant Availability		Total capacity charges approved by UPERC for one Unit at 2% ROE (Rs. Crs)	Capacity charges (Fixed Charges)		Amount of capacity charges payable for the month (Rs. Crs)	Scheduled Generation by UPSLDC (MU)	Energy Charge (E.C)		Total Amount Capacity Charges+ Energy Charges
			Target by UPERC (%)	Actual Availability (%)		Percentage to be recovered	Amount of annual capacity charges corresponding to Column 6 to Column 7 (ACC7) (Rs. Crs)			Rate of Energy Charges (REC) (Rs./kwh)	Total Energy Charges	
			3	4 #	5	6##	7=(Col.5X6)/100	8###	9	10	11=(Col.9x10)/10	12=(Col.8+11)
Obra 'C'	660	1	85	0.01	684.69	0.01	0.0684690	0.0057058	0.0500000	1.90	0.0095000	0.0152058
	660				684.69		0.0684690	0.0057058	0.0500000		0.0095000	0.0152058

Total Amount Payable

Rs Crs. 0.0152058

(Rs. One lac, fifty two thousand and fifty eight 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=(n*ACC7)/(n*ACC7-i)/2

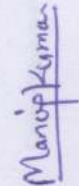
Effective Annual Capacity charges has been calculated on 2% RoE as per Principal Secretary (Energy)'s Letter no. 1414/24-1-2017-1714 (B)/2017, dt. 31.07.2017 & UPRVNL BOD direction dt. 09.04.2018 in their 175th meeting (Agenda item 175.2). Annual Capacity charges on 2% RoE of 2x660 MW Obra 'C' TPS is Rs. 1369.37 Crs as per UPERC Tariff Order dt. 05.02.2024 and effective Annual Capacity Charges for One Unit of 660 MW is Rs. 684.69 Crs. C.O.D. of Unit 1 of Obra 'C' TPS is declared w.e.f. dt. 09.02.2024.

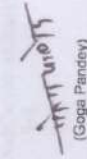
Prepared as per DC/SG received from ABT/SLDC & Bill from TPS

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

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


(R.P. Tiwari)
EA (Comm.)


(Manoj Kumar)
AE (Comm.)


(Gopa Pandey)
Accountant


(Rajendra Singh)
Accounts officer


(Ritu Singh)
EE (Comm.)

Office of Chief Engineer
Commercial Unit



U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Khushi Bhawan East,
Lucknow - 226001
Tel No. - 0522-2383056
CIN : U 31901UP1905SSGC007135
mail: commercial@upvul.org

www.upta.gov.in@gmail.com

U.P. Commercial Energy Deptt. (2023-24)

Supervising Engineer
Commercial Unit-Export & Payment Circle
U.P. Power Corporation Ltd.
14th Floor, Khushi Bhawan East,
Lucknow-226001

Date: 30 April-2024

Cumulative Availability for FY 2023-24 of UPRVUNL Thermal Power Stations

Month	Days	Cumulative Days N	MW		660 MW		AUXN		6.25
			Declared Cap.(MW)	Declared Cap.(MU)	Declared Cap.(MW)	Cum. Decl Cap.(MW)	Cum. Decl Cap.(MW)	Cum. Av. (%)	
Apr-23									
May-23									
Jun-23									
Jul-23									
Aug-23									
Sep-23									
Oct-23									
Nov-23									
Dec-23									
Jan-24									
Feb-24									
Mar-24	31	31	0.0500000		2	2			0.01
Total			0.0500000						

Cumulative Availability (%) = $100000 \times \sum_{i=1}^N DC_i / (N \times (100 - AUXN))$ %

DC = Average declared capacity for the 1st 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 Normatives of UPERC (Terms & Conditions for Generation Tariff) Regulations-2019, dt. 11.09.2019 and UPERC Tariff Order dt. 05.02.2024.

(Signature)
30.04.24
EE(Comm.)

(Signature)
AE (Comm.)

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 31901UP1985SGC007135
gm.commercial@uprvunl.org

cecommercialunl@gmail.com

No. 241 /UNL/CE(Comm.)/FCA/FY (2023-24)

Date: 03 , May- 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 March -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 **March-2024**, is being enclosed (ERP Generated) herewith for payment:-

(1) FCA Bill No.:- UNL/FCA/2024-03/02B, dt. 03.05.2024 **126.3021316 Crs**
(Rs One hundred and twenty six crore, thirty lacs, twenty one thousand, three hundred and sixteen 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. 02.05.2024 of Harduaganj Thermal Power Project.

Encl.: As above

(Hari Shyam)
S.E. (Commercial)

No. 241 /UNL/CE(Comm.)/FCA/FY (2023-24)

Date: 03 , May- 2024

Copy forwarded to the followings for their kind information :-

1. PS to Managing Director, UPRVUNL, 7th floor, Shakti Bhawan, Lucknow.
2. Director (Project & Comm.), 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/TO), UPRVUNL, 14th floor, Shakti Bhawan Extn, Lucknow.
2. Chief General Manager, UPRVUNL, Anpara, Obra, Parichha, Harduaganj TPS.
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

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

FCA Bill No. : UNL/FCA/2024-03/02 B
Bill Date : 03.05.2024
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.

UPRVNL Bank Account Number : 35330510200149
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 March-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	MU	328.2513390	474.9208375	646.8964125	369.8324350	U#7	U#8&9	U#10	U#3 & 4	U#5&6	2579.454082
Normative Operating Parameters													
B	GROSS STATION HEAT RATE (GSHR)	H	KCAL/KW	002430	002390	002374	002755	002625	002430	002081	002430	002430	
C	SP. OIL CONS.	(OSJN)	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	%	9.00	6.88	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	2.60297	2.62262	2.59313	3.01690	6.45702	5.79354	6.03406	4.13935	4.13935	
F	PRICE OF SECONDARY FUEL (OIL)	PS	RS./ML	0.07939051	0.07939051	0.07939051	0.07931422	0.07041647	0.07041647	0.07183985	0.06973097	0.06973097	
G	GROSS CALORIFIC VALUE OF PRIMARY FUEL (COAL)	CP	KCAL/KG	3134.00000	3452.00000	3499.00000	3339.00000	2901.00000	3217.00000	3151.00000	3225.00000	3225.00000	
H	GCV OF PRIMARY FUEL(COAL) LESS BS KCAL/KG ON ACCOUNT OF VARIATION DURING STORAGE (CP) = CP-85	CP1	KCAL/KG	3049.00000	3367.00000	3414.00000	3254.00000	2816.00000	3132.00000	3066.00000	3140.00000	3140.00000	
I	GROSS CALORIFIC VALUE OF SECONDARY FUEL(OIL)	CS	KCAL/LI	9168.15000	9168.15000	9168.15000	9125.00000	10570.00000	10570.00000	10570.00000	9105.00000	9105.00000	
Formula of ECR $ECR = 100 \times (PP \times (H - (OSJN \times CS / 1000)) / CP1 + PS \times (OSJN)) / (100 - AUXN)$													
J	ENERGY CHARGE RATE FOR THE MONTH(ECR)	ECR	RS./KWH	2.3190	2.0380	1.9620	2.9934	6.7785	4.9675	4.3958	3.5519	3.5519	
K	ALREADY CLAIMED RATE OF ENERGY CHARGES (ECR1)	ECR1	RS./KWH	1.8300	1.7000	1.4400	2.5300	3.9300	3.4500	3.4200	3.5100	3.5100	
L	DIFF IN REC. (J-K)	ECR2	RS./KWH	0.4890	0.3380	0.5220	0.4634	2.9485	1.5175	0.9758	0.0419	0.0419	
M	AMT. OF ENERGY CHARGE DUE TO VARIATION IN FUEL DATA (AXL)/10		RS. CRS	16.0514900	16.0523243	33.7648607	17.1390350	3.3614374	11.4575605	26.8089218	0.7602667	0.9072152	126.3021316
	TOTAL FCA BILLED AMOUNT (GR)												126.3021316

Total Amount Payable (Cr) : RUPEES ONE HUNDRED TWENTY SIX CRORE THIRTY LAKH TWENTY ONE THOUSAND THREE HUNDRED SIXTEEN ONLY

Prepared By	Checked By	Verified By
A.E. (Comm.)	Accounts Officer	E.E. (Comm.)
MANOJ KUMAR - (101385)	GOGA PANDEY - (102160)	RAJENDRA SINGH - (101344)
		RITU SINGH - (100729)

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

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
CIN : U 31901UP1985SGC007135
gm.commercial@uprvunl.org

No. ²³⁰/UNL/CE(Comml.)/FCA/FY (2023-24)

Date: 30, April-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 Unit-1 of Obra 'C' TPS of UPRVUNL for March -2024.

The Provisional Bill of Fuel Cost Adjustment (FCA) for variation in fuel data certified by Cost Accountant of Unit-1 of Obra 'C' Thermal Power Stations of U.P. Rajya Vidyut Utpadan Nigam Ltd against electricity supplied to U.P. Power Corporation Ltd. during the month **March-2024**, is being enclosed herewith for payment:-

FCA Bill No.:- UNL/FCA/2024-02/02A/Obra C, dt. 30.04.2024

0.0035725 Crs

(Rs Thirty five thousand, seven hundred and twenty 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.

Encl.: As above

(Hari Shyam)
S.E. (Commercial)

No. ²³⁰/UNL/CE(Comm.)/FCA/FY (2023-24)

Date: 30, April-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/TO), UPRVUNL, 14th floor, Shakti Bhawan Extn, Lucknow.
2. Chief General Manager, UPRVUNL, Obra TPS, Sonebhadra.
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.- 09AAAACU4797P6Z8
Bill No.- UNL/FCA/2024-03/02A/Obra C
30.04.24
30 Days from the billing date
Bill Date-
Due Date
Reference-

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

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

UNL/FCA/2024-03/02A/Obra C
30.04.24
30 Days from the billing date
(i) UPERC Tariff Order Dt. 05.02.2024.
(ii) UPERC Gen Regu., 2019 Dt. 11.09.2019
(iii) Fuel data from Plants (certified by Cost Accountant)
(iv) PPA for Obra 'C' Thermal Power Stations.

Provisional Fuel Cost Adjustment Bill due to variation in Cost & GCV of fuel of Unit 1 of Obra C TPS of UPRVUNL raised to UPPCL.

S.No.	Parameters	Symbol	Unit	Obra C	Total
A	Unit No.	ESO	MU	1x660 MW	
	Energy Exported & Billed (ESO)			0.050000	0.050000
B	Normative Operating Parameters				
C	Gross Station Heat Rate (GSHR)	H	Kcal/Kwh	2182	
D	Sp. Oil Cons	(Qs)in	ml/Kwh	0.50	
	Auxiliary Energy Consumption	AUXin	%	6.25	
E	Fuel Data for the month				
F	Price of Primary fuel (Coal)	Pp	Rs./Kg	3.60494	
G	Price of Secondary fuel (Oil)	Ps	Rs./ml	0.07764523	
	Gross Calorific Value of Primary fuel (Coal)	Cp	Kcal/Kg	3339.00	
H	Gross Calorific Value of Primary fuel (Coal) less 85 Kcal/kg on account of variation during storage (Cp1 - Cp85)	Cp1	Kcal/Kg	3254.00	
I	Gross Calorific Value of Secondary fuel (oil)	Cs	Kcal/Lit	9125.00	
J	Formula of ECR				
	Energy Charge Rate for the month (ECR)	ECR = 100(Pp*(H-(Qs)in*Cs/1000)/(Cp1 - Ps*(Qs)in)/(100-AUXin)			
K	Already claimed energy charge rate (ECR1)	ECR	Rs./Kwh	2.6145	
L	Diff in ECR (J-K)	ECR2	Rs./Kwh	1.9000	
M	Amt. of Energy Charge due to variation in fuel data (A x L)/10		Rs C15	0.0035725	0.0035725
Total Amount Payable (Cr)				0.0035725	0.0035725

(Rs Thirty five thousand, seven hundred and twenty five 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

(R.P. Tiwari)
EA (Comml.)

(Manoj Kumar)
AE (Comml.)

(Goga Pandey)
Accountant

(Rajendra Singh)
Accounts officer

(Manoj Kumar)
AE (Comml.)

(Ritu Singh)
EE (Comml.)

U.P. Rajya Vidyut Utpadan Nigam Ltd.
14th Floor, Shakti Bhawan Extn.
Lucknow - 226001
Tel No. - 9522-2288056
CIN - U31901UP1985000007135