



JHARKHAND BIJLI VITRAN NIGAM LIMITED

(CIN: U40108JH2013SGC001702)

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Letter No.....112.....

GM (Rev)/3037/2023

Dated.....27-05-2024.....

From,

Arvind Kumar
Executive Director (C&R)

To,

General Manager (IT),
JBVNL
General Manager (Revenue),
JBVNL
General Manager (Technical)
All Electric Supply Area
M/s Fluentgrid Ltd
M/s HCL Ltd
Subject: Regarding submission of FPPPA Surcharge rates

Sir,

With reference to subject mentioned above, Please find below FPPA Surcharge Rates to be passed on to different categories of consumers in the bill month of May, 2024.

Category	Sub-Category	Total FPPPA to be passed on Rs./(kWh/kVAh)
Domestic	DS-R	-0.09
	DS-U	-0.10
	DS HT	-0.09
Commercial	Rural (More than 5 kW)	-0.09
	Urban (More than 5 kW)	-0.10
IAS	IAS-I	-0.08
	IAS-II	-0.08
Industrial	LTIS	-0.09
	HTS - 11KV	-0.09
	HTS - 33KV	-0.09
	HTS - 132KV	-0.09
	HTSS - 11KV	-0.08
	HTSS - 33KV	-0.08

Institutional	RTS	-0.08
	Streetlight	-0.10
	MES	-0.08

GM (Revenue) is requested to implement the same in the billing system on priority basis. GM (IT) is also requested to upload the same in JBVNL website.

This has got approval of competent authority.

Encl: As Above

Yours faithfully,


(Arvind Kumar)

Executive Director (C&R)

Calculation of Category Wise PPPA for the month March-2024

Category	Sub-Category	EC	FC	(ave) 1.47% of EC Rs./kWh/kV Ah) ©	Total PPPA to be passed on Rs./kWh/kVAh (d)	Remaining for True Up Rs./kWh/kVAh) © = d-c
Domestic	DS-R	6.30 / kWh	75.00 / Conn. / Month	-0.09	-0.09	0.00
	DS-U	6.65 / kWh	100.00 / Conn. / Month	-0.10	-0.10	0.00
	DS HT	6.25 / kVAh	150.00 / kVA / Month	-0.09	-0.09	0.00
Commercial	Rural (More than 5 kW)	6.10 / kWh	120.00 / kW / Month	-0.09	-0.09	0.00
	Urban (More than 5 kW)	6.65 / kWh	200.00 / kW / Month	-0.10	-0.10	0.00
IAS	IAS-I	5.30 / kWh	50.00 / HP / Month	-0.08	-0.08	0.00
	IAS-II	5.30 / kWh	50.00 / HP / Month	-0.08	-0.08	0.00
Industrial	LTIS	6.05 / kVAh	150 / kVA / Month	-0.09	-0.09	0.00
	HTS - 11KV	5.85 / kVAh	400 / kVA / Month	-0.09	-0.09	0.00
	HTS - 33KV	5.85 / kVAh	400 / kVA / Month	-0.09	-0.09	0.00
	HTS - 132KV	5.85 / kVAh	400 / kVA / Month	-0.09	-0.09	0.00
	HTSS - 11KV	5.20 / kVAh	400 / kVA / Month	-0.08	-0.08	0.00
Institutional	HTSS - 33KV	5.20 / kVAh	400 / kVA / Month	-0.08	-0.08	0.00
	RTS	5.60 / kVAh	400 / kVA / Month	-0.08	-0.08	0.00
	Streetlight	7.00 / kWh	250.00 / kW / Month	-0.10	-0.10	0.00
	MES	5.60 / kVAh	400 / kVA / Month	-0.08	-0.08	0.00

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Calculation of PPA (in %) for the month March 2024

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S.No.	Parameters	Units	Value	Remarks
A	Total units procured in the (n-2)th month (kWh)	kWh	1398045038.70	Total units procured in March 2024 except UI deviation.
i	Actual Power purchased from all the sources outside the State in (n-2)th Month (in kWh)	kWh	862707658.70	A-ii
ii	Power purchased from all the sources within the State (in kWh)	kWh	535337380.00	Total units procured from DVC (except UI), State Solar, Inland, CPP, Sikidri and TVNL except 64.91 MU to Biharsharif in March 2024.
iii	Inter-state transmission losses in % as approved in Tariff Order	%	3.00%	As approved in ARR of FY 2023-24 in TO did 28.02.2024
iv	Intra-state losses in % as approved in Tariff Order	%	2.23%	As approved in ARR of FY 2023-24 in TO did 28.02.2024
v	Target Distribution Losses (from Tariff Order) in %	%	13.00%	As approved in ARR of FY 2023-24 in TO did 28.02.2024
B	Bulk Sale of Power in (n-2)th month (kWh)	kWh	90568155.00	Sale of power through power exchange has been considered for March 2024
vi	Actual Average Power Purchase cost from all sources in (n-2)th month (Rs./kWh) excluding DSM Charges	(Rs./kWh)	4.09	Actual Avg Power Purchase taken for the month of March 2024 excluding PTC Sale and UI Charges
vii	Total Power purchase cost as approved in ARR of FY 2023-24.	(Rs./Cr.)	5881.88	TO did 28.02.2024.
viii	Total units procured as approved in ARR of FY 2023-24.	MU	13834.57	TO did 28.02.2024.
ix	Projected average power purchase cost from all sources in (n-2)th month (Rs./kWh) from Tariff Order excluding DSM Charges	(Rs./kWh)	4.25	Total Power purchase cost as Rs. 5881.88 Cr. and Total units procured as 13834.57 MU has been considered as approved in ARR of FY 2023-24 of TO did 28.02.2024.
C	Incremental Average Power Purchase Cost (Rs./kWh)	(Rs./kWh)	-0.16	vi-ix
D	Actual Intra State and Inter State Transmission Charges in the (n-2)th Month	Rs.	590472111.00	Actual PGCIL, POSOCO and JUSNL charges has been considered for the month of March 2024. Commission has approved inter state transmission charges including POSOCO charges.
x	Total inter state transmission charges (including POSOCO ERLDC) as approved in ARR of FY 2023-24.	Rs.	3588200000.00	TO did 28.02.2024.
xi	Total intra state transmission charges as approved in ARR of FY 2023-24.	Rs.	2604900000.00	TO did 28.02.2024.

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E	Base Cost of Transmission Charges for (n-2)th Month (Rs.) = (Approved Transmission Charges /12)	Rs.	516091666.7	Total inter state transmission charges as Rs. 358.82 Cr. (including POSOCO ERLDC) and Total intra state transmission charges as Rs. 260.49 Cr. has been considered as approved in ARR of FY 2023-24 of TO dtd 28.02.2024. (X+Xi)/12
xii	Total revenue considered	(Rs. Cr.)	6991.69	As approved in ARR of FY 2023-24 at proposed tariff in TO dtd 28.02.2024.
xiii	Total units sold	MU	10,044.63	As approved in ARR of FY 2023-24 of TO dtd 28.02.2024.
ABR	Average Billing Rate for the year (ABR) in (Rs./kWh) from Tariff Order	(Rs./kWh)	6.96	xii/xiii
Z	[Actual Power purchased from all the sources outside the State in (n - 2)th Month. (in kWh) * (1 - Inter-state transmission losses in % /100) + Power purchased from all the sources within the State (in kWh)] * (1 - Intra-state losses in % /100) - B]	kWh	1306906365	((A*(1-iii/100) + ii) * (1-iv/100) - B)
a	Monthly FPPAS for the month of March 2024	%	-132380404.9	
b	{Z*(1 - (Distribution Loss in (%)/100))} * ABR FPPA Surcharge for the Month of March 2024	Rs.	9085058817	a/b
		%	-1.46%	

Details of Provisional Power Purchase during FY 2023-24

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N.	Name of Generating Stations	March-2024								
		Units purchased (MU)	Cost of Purchase (Crore Rs.)	Per Unit Rate (Rs per unit)	Per Unit Rate including Transmission Charge (Rs per unit)	Supplemen. Quantum (MU)	Supplement. Bill Amount (Crore Rs.)	Total Amount (Crore Rs.)	Overall Rate (Rs per unit)	
1	NTPC	Farrakka	47.79	21.18	4.43	5.35	0.00	0.90	22.08	5.54
		Farrakka III	26.60	13.81	5.19	6.11	0.00	-0.10	13.71	6.07
		Khalagaon I	10.33	4.14	4.01	4.93	0.00	0.04	4.18	4.96
		Talcher	39.45	10.15	2.57	3.49	0.00	0.49	10.63	3.62
		Khalagaon II	6.83	2.46	3.61	4.53	0.00	0.05	2.51	4.60
		Barh I	39.86	23.48	5.89	6.81	0.000	0.093	23.57	6.84
		Barh II	7.92	4.71	5.95	6.87	0.00	-0.34	4.38	6.45
		Korba	34.71	8.68	2.50	3.42	0.00	1.33	10.01	3.80
		Darlipalli	104.86	29.74	2.84	3.76	0.00	1.62	31.37	3.91
		N. Karanpura	161.48	56.34	3.49	4.41	0.00	0.51	56.85	4.44
		Kanti Power	9.16	4.78	5.22	6.14	0.00	0.23	5.01	6.39
		Nabinagar	18.83	9.84	5.22	6.14	0.00	0.00	9.84	6.14
		LPSC						2.09	2.09	
		Rebate						0.00	0.00	
		Total	507.81	189.32	3.73	4.65	0.00	6.92	196.23	4.78
2	NHPC	Rangit	1.51	0.62	4.10	5.02	0.00	0.00	0.62	5.02
		Teesta	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
		LPSC						0.00	0.00	
		Total	1.51	0.62	4.12	5.04	0.00	0.00	0.62	5.04
3	PTC	Chukha	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
		Tala	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
		Kurichu	0.00	0.00	0.00	0.92	0.00	0.0000	0.00	0.00
		Mangdechhu	0.00	0.00	0.00	0.92	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	0.92	0.0000	0.0000	0.00	0.00
4	Total Central Sector	509.32	189.94	3.73	4.65	0.00	6.92	196.86	4.79	
5	DVC	KTPS (OA)	344.51	159.92	4.64			159.92	4.64	
		Standby Power	0.00	0.00	0.00			0.00	0.00	
		UI (Deviation)	-61.23	-18.69	3.05			-18.69	3.05	
		Trans. Charge		6.20				6.20		
		HT Points	0.09	0.34				0.34		
		Total	283.36	147.77	5.21		0.00	-0.26	147.51	5.21
7	TVNL	214.31	91.20	4.26	4.57	0.00	0.00	91.20	4.57	
8	UI Payable (Deviation)	7.73	11.15	14.42		0.00	0.00	11.15	14.42	
9	Reactive Energy Charge		0.20					0.20		
10	APNRL	Unit I	41.94	14.27	3.40			1.07	15.34	3.66
		Unit II	41.94	14.48	3.45			6.99	21.47	5.12
		66 MW	45.06	15.44	3.43			0.00	15.44	3.43
		ERLDC APNRL	-	6.31					6.31	
		Incentive/Adjust.	-	0.41					0.41	
		Total	128.94	50.92	3.95		0.00	8.06	58.97	4.57
11	SOLAR	SECI (700)	101.03	26.48	2.62	2.93	0.00	0.00	26.48	2.93
		SECI (10)	1.50	0.91	6.09	6.40	0.00	0.00	0.92	6.42
		State	1.73	3.11	17.96	17.96	0.00	0.00	3.11	17.96
		Total	104.27	30.51	2.93	3.24	0.00	0.00	30.51	3.24
12	Wind	PTC	30.92	10.91	3.53	3.84	0.00	0.00	10.91	3.84
		SECI	23.15	6.30	2.72	3.03	0.00	0.00	6.30	3.03
		Total	54.07	17.21	3.18	3.49	0.00	0.00	17.21	3.49
13	Inland Power Ltd.	37.59	21.72	5.78	6.09	0.00	-0.61	21.11	5.93	
14	Power Exchange	Purchase	2.93	2.10	7.18		0.00	0.00	2.10	7.18
		Sell	-90.57	-25.03	2.76		0.00	0.00	-25.03	2.76

Details of Provisional Power Purchase during FY 2023-24

S. N.	Name of Generating Stations	March-2024							
		Units purchased (MU)	Cost of Purchase (Crore Rs.)	Per Unit Rate (Rs per unit)	Per Unit Rate including Transmission Charge (Rs per unit)	Supplemen. Quantum (MU)	Supplement. Bill Amount (Crore Rs.)	Total Amount (Crore Rs.)	Overall Rate (Rs per unit)
16	Total Purchase	1251.96	537.68	4.29		0.00	14.11	551.79	4.41
17	SRHPS (Generation)	2.02	2.03	0.00	0.31	0.00	0.00	2.03	10.34
18	Grand Total	1253.98	539.71	4.30		0.00	0.00	-6.33	
19	UI Receivable	-8.59	-6.33	7.37		0.00	0.00	0.00	
20	SER-DSM	0.00	0.00			0.00	0.60	31.51	
21	Trans. Charge	PGCIL	30.90	0.61		0.00	0.00	0.18	
		Posoco (ERLDC)	0.18			0.00	0.00	27.97	
		JUSNL	27.97	0.31		0.0000	14.71	607.14	4.88
22	Net Unit	1245.39	592.43	4.76					

FPPA Mar-24					
1398.05	MU	1398045038.70	kWh	Total Units Procured (A)	
862.71	MU	862707658.70	kWh	Units Procured Outside State(i)	
535.34	MU	535337380.00	kWh	Units Procured within State(ii)	
572.28	Rs. Cr.	5722819181.85	Rs.	Total Cost of Units Procured	
90.57	MU	90568155.00	kWh	Bulk Sale of Power (B)	
4.09	Rs/kWh			Actual Avg Rate (vi)	
59.05	Rs. Cr.	590472111.00	Rs.	Total Cost of Units Procured	