



JHARKHAND BIJLI VITRAN NIGAM LIMITED

(CIN: U40108JH2013SGC001702)

Regd. Office: Engineering Building, H.E.C., Dhurwa, Ranchi-834004,

Email: -ed.cr2023@gmail.com,

Letter No.....**169**.....
GM (Comm)/3037/2023

Dated.....**31-07-2024**.....

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 Fluent grid Ltd.
M/s HCL Ltd.

Sub: 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 July 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 | 0.08 |
| | HTS - 33KV | 0.08 |
| | HTS - 132KV | 0.08 |
| | HTSS - 11KV | 0.08 |
| | HTSS - 33KV | 0.08 |

| Category | Sub-Category | Total FPPPA to be passed on Rs./ (kWh/kVAh) |
|---------------|--------------|---|
| 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)

| S. No. | Particulars | Unit | Value | Remarks |
|--------|---|-----------|---------------|--|
| A | Total units procured in the (n-2)th month (kWh) | kWh | 1648303673.27 | Total units procured in May 2024 except UI deviation. |
| i | Actual Power purchased from all the sources outside the State in (n - 2)th Month (in kWh) | kWh | 1042456592.27 | A-ii |
| ii | Power purchased from all the sources within the State (in kWh) | kWh | 605847081.00 | Total units procured from DVC (except UI), State Solar, Inland, CPP, Sikidri and TUVNL except 52.44 MU to Biharshariff in May 2024. |
| iii | Inter-state transmission losses in % as approved in Tariff Order | % | 3.00% | As approved in ARR of FY 2023-24 in TO dtd 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 dtd 28.02.2024 |
| v | Target Distribution Losses (from Tariff Order) in % | % | 13.00% | As approved in ARR of FY 2023-24 in TO dtd 28.02.2024 |
| B | Bulk Sale of Power in (n-2)th month (kWh) | kWh | 43077952.50 | Sale of power through power exchange has been considered for May 2024 |
| vi | Actual Average Power Purchase cost from all sources in (n-2)th month (Rs./kWh) excluding DSM Charges | (Rs./kWh) | 4.15 | Actual Avg Power Purchase taken for the month of May 2024 excluding PTC Sale and UI Charges |
| vii | Total Power purchase cost as approved in ARR of FY 2024-25. | (Rs./Cr.) | 5881.88 | TO dtd 28.02.2024. |
| viii | Total units procured as approved in ARR of FY 2024-25. | MU | 13834.57 | TO dtd 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 dtd 28.02.2024. |
| C | Incremental Average Power Purchase Cost (Rs./kWh) | (Rs./kWh) | -0.10 | vi-ix |
| D | Actual Intra State and Inter State Transmission Charges in the (n-2)th Month | Rs. | 844121254.33 | Actual PGCIL, POSOCO and JUSNL charges has been considered for the month of April 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 dtd 28.02.2024. |
| xi | Total intra state transmission charges as approved in ARR of FY 2023-24. | Rs. | 2604900000.00 | TO dtd 28.02.2024. |
| 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 |

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| | | | | |
|------|--|-----------|-------------|---|
| 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 at proposed tariff in TO dtd 28.02.2024. |
| ABR | Average Billing Rate for the year (ABR) in (Rs./kWh) from Tariff Order | (Rs./kWh) | 6.96 | xiii/xii |
| 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 | 1604545482 | ((A*(1-iii/100) + ii)*(1-iv/100)-B) |
| | | | | |
| | | | | |
| | Monthly FPPAS for the month of February 2024 | % | | |
| | (A-B)*C+(D-E) | Rs. | 161503722.2 | |
| a | | | 11154119733 | |
| b | {Z*(1- (Distribution Loss in (%)/100))} *ABR | % | 1.25% | a/b |
| | FPPPA Surcharge for the Month of February | | | |

| Category | Sub-category | Rate | Unit | Rate of BS (Rs./kWh/kVA/HP) | Total MPWA to be passed in Rs./kWh/kVA/HP | Remaining for Rate Up Rs./kWh/kVA/HP |
|---------------|------------------------|-------------|------------------------|-----------------------------|---|--------------------------------------|
| 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 | 0.08 | 0.08 | 0.00 |
| | HTS - 33KV | 5.85 / kVAh | 400 / kVA / Month | 0.08 | 0.08 | 0.00 |
| | HTS - 132KV | 5.85 / kVAh | 400 / kVA / Month | 0.08 | 0.08 | 0.00 |
| | HTSS - 11KV | 5.20 / kVAh | 400 / kVA / Month | 0.08 | 0.08 | 0.00 |
| | HTSS - 33KV | 5.20 / kVAh | 400 / kVA / Month | 0.08 | 0.08 | 0.00 |
| Institutional | 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 |
| | | | | | | |

Details of Provisional Power Purchase during FY 2024-25

May-2024

| S. N. | Name of Generating Stations | | May-2024 | | | | | | | |
|--------------|-----------------------------|-------------------|----------------------|------------------------------|-----------------------------|---|------------------|--------------------------------|--------------------------|----------------------------|
| | | | Units purchased (MU) | Cost of Purchase (Crore Rs.) | Per Unit Rate (Rs per unit) | Per Unit Rate including Trans. Charge (Rs per unit) | Suppl. Qty. (MU) | Suppl. Bill Amount (Crore Rs.) | Total Amount (Crore Rs.) | Overall Rate (Rs per unit) |
| 1 | NTPC | Farrakka | 57.30 | 23.44 | 4.09 | 5.19 | 0.00 | 8.80 | 32.24 | 6.72 |
| | | Farrakka III | 37.84 | 16.73 | 4.42 | 5.52 | 0.00 | 4.76 | 21.49 | 6.77 |
| | | Khalagaon I | 11.17 | 4.50 | 4.03 | 5.12 | 0.00 | 1.40 | 5.90 | 6.37 |
| | | Talcher | 41.08 | 2.98 | 0.73 | 1.82 | 0.00 | -20.59 | -17.61 | -3.19 |
| | | Khalagaon II | 6.53 | 2.14 | 3.27 | 4.37 | 0.00 | 0.25 | 2.39 | 4.75 |
| | | Barh I | 47.65 | 24.87 | 5.22 | 6.31 | 0.000 | 0.725 | 25.59 | 6.46 |
| | | Barh II | 11.78 | 5.65 | 4.79 | 5.89 | 0.00 | 0.36 | 6.00 | 6.19 |
| | | Korba | 34.95 | 8.56 | 2.45 | 3.54 | 0.00 | 1.45 | 10.01 | 3.96 |
| | | Darlipalli | 51.56 | 14.70 | 2.85 | 3.94 | 0.00 | 0.93 | 15.63 | 4.13 |
| | | N. Karanpura | 230.82 | 80.38 | 3.48 | 4.58 | 0.00 | 2.09 | 82.47 | 4.67 |
| | | Kanti Power | 9.32 | 4.58 | 4.91 | 6.00 | 0.00 | 0.00 | 4.58 | 6.00 |
| | | Nabinagar | 21.96 | 11.01 | 5.01 | 6.11 | 0.00 | 0.14 | 11.14 | 6.17 |
| | | LPSC | | | | | | 1.66 | 1.66 | |
| | | Rebate | | | | | | 0.00 | 0.00 | |
| Total | | 561.97 | 199.53 | 3.55 | 4.64 | 0.00 | 1.97 | 201.50 | 4.68 | |
| 2 | NHPC | Rangit | 2.24 | 1.18 | 5.25 | 6.34 | 0.00 | 0.00 | 1.18 | 6.34 |
| | | Teesta | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | LPSC | | | | | | 0.00 | 0.00 | |
| Total | | 2.24 | 1.18 | 5.27 | 6.36 | 0.00 | 0.00 | 1.18 | 6.36 | |
| 3 | PTC | Chukha | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Tala | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | Kurichu | 0.00 | 0.00 | 0.00 | 1.09 | 0.00 | 0.0000 | 0.00 | |
| | | Mangdechhu | 0.63 | 0.26 | 4.19 | 5.28 | 0.00 | 0.00 | 0.26 | 5.28 |
| | | Total | | 0.63 | 0.26 | 4.19 | 5.28 | 0.0000 | 0.0000 | 0.26 |
| 4 | Total Central Sector | 564.84 | 200.97 | 3.56 | 4.65 | 0.00 | 1.97 | 202.94 | 4.69 | |
| 5 | DVC | KTPS (OA) | 413.59 | 181.42 | 4.39 | | | | 181.42 | 4.39 |
| | | Standby Power | 0.00 | 0.00 | #DIV/0! | | | | 0.00 | 0.00 |
| | | UI (Deviation) | -62.16 | -19.43 | 3.13 | | | | -19.43 | 3.13 |
| | | Trans. Charge | - | 6.20 | - | | | | 6.20 | |
| | | HT Points | 0.09 | 0.35 | - | | | | 0.35 | |
| | | Total | | 351.52 | 168.53 | 4.79 | | 0.00 | 8.35 | 176.88 |
| 7 | TVNL | 198.42 | 90.47 | 4.56 | 4.81 | 0.00 | 0.00 | 90.47 | 4.81 | |
| 8 | UI Payable (Deviation) | 21.63 | 26.44 | 12.22 | | 0.00 | 0.00 | 26.44 | 12.22 | |
| 9 | Reactive Energy Charge | | 0.09 | | | | | 0.09 | | |
| 10 | APNRL | Unit I | 45.51 | 16.54 | 3.63 | | | 0.00 | 16.54 | 3.63 |
| | | Unit II | 45.51 | 16.60 | 3.65 | | | 0.00 | 16.60 | 3.65 |
| | | 66 MW | 48.90 | 18.56 | 3.79 | | | 0.00 | 18.56 | 3.79 |
| | | ERLDC APNRL | - | 0.00 | - | | | | 0.00 | |
| | | Incentive/Adjust. | - | - | - | | | | | |
| | | Total | | 139.93 | 51.69 | 3.69 | | 0.00 | 0.00 | 51.69 |
| 11 | SOLAR | SECI (700) | 103.52 | 27.12 | 2.62 | 2.87 | 0.00 | 0.00 | 27.12 | 2.87 |
| | | SECI (10) | 1.51 | 0.92 | 6.08 | 6.33 | 0.00 | 0.00 | 0.92 | 6.33 |
| | | State | 1.69 | 3.03 | 17.96 | 17.96 | 0.00 | 0.00 | 3.03 | 17.96 |
| | | Total | | 106.72 | 31.08 | 2.91 | 3.16 | 0.00 | 0.00 | 31.08 |
| 12 | Wind | PTC | 50.45 | 17.81 | 3.53 | 3.78 | 0.00 | 0.00 | 17.81 | 3.78 |
| | | SECI | 33.35 | 9.07 | 2.72 | 2.97 | 0.00 | 0.00 | 9.07 | 2.97 |
| | | Total | | 83.80 | 26.88 | 3.21 | 3.46 | 0.00 | 0.00 | 26.88 |
| 13 | Inland Power Ltd. | 32.48 | 18.53 | 5.70 | 5.95 | 0.00 | 0.00 | 18.53 | 5.95 | |
| 14 | Power Exchange | Purchase | 96.41 | 73.01 | 7.57 | | 0.00 | 0.00 | 73.01 | 7.57 |
| Sell | | -43.08 | -12.14 | 2.82 | | 0.00 | 0.00 | -12.14 | 2.82 | |
| 16 | Total Purchase | 1552.68 | 675.56 | 4.35 | | 0.00 | 10.31 | 685.87 | 4.42 | |
| 17 | SRHPS (Generation) | 12.02 | 3.00 | 2.50 | 2.75 | 0.00 | 0.00 | 3.00 | 2.75 | |
| 18 | Grand Total | 1564.70 | 678.56 | 4.34 | | 0.00 | 10.31 | 688.88 | | |
| 19 | UI Receivable | -7.08 | -7.99 | 11.28 | | 0.00 | 0.00 | 0.00 | | |
| 20 | SER-DSM | 0.00 | 0.00 | | | 0.00 | 8.20 | 55.70 | | |
| 21 | Trans. Charge | PGCIL | | 47.50 | 0.84 | | 0.00 | 0.00 | 0.19 | |
| | | Posoco (ERLDC) | | 0.19 | | | 0.00 | 0.00 | 36.72 | |
| | | JUSNL | | 36.72 | 0.25 | | 0.00 | 0.00 | | |
| 22 | Net Unit | 1557.62 | 754.99 | 4.85 | | 0.00 | 18.51 | 773.50 | 4.97 | |

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| | | Details of Provisional Power Purchase during FY 2024-25 | | | | | | | |
|-------|-----------------------------|---|------------------------------|-----------------------------|---|------------------|--------------------------------|---------------------------------|----------------------------|
| | | May-2024 | | | | | | | |
| S. N. | Name of Generating Stations | Units purchased (MU) | Cost of Purchase (Crore Rs.) | Per Unit Rate (Rs per unit) | Per Unit Rate including Trans. Charge (Rs per unit) | Suppl. Qty. (MU) | Suppl. Bill Amount (Crore Rs.) | Total Amount (Crore Rs.) | Overall Rate (Rs per unit) |
| | | 1648.30 | MU | 1648303673.27 | | kWh | | Total Units Procured (A) | |
| | | 1042.46 | MU | 1042456592.27 | | kWh | | Units Procured Outside State(i) | |
| | | 605.85 | MU | 605847081.00 | | kWh | | Units Procured within State(ii) | |
| | | 683.69 | Rs. Cr. | 6836902414.98 | | Rs. | | Total Cost of Units Procured | |
| | | 43.08 | MU | 43077952.50 | | kWh | | Bulk Sale of Power (B) | |
| | | 4.15 | Rs/kWh | | | | | Actual Avg Rate (vi) | |
| | | 84.41 | Rs. Cr. | 844121254.33 | | Rs. | | Total Cost of Units Procured | |