



JHARKHAND BIJLI VITRAN NIGAM LIMITED

(CIN: U40108JH2013SGC001702)

Regd. Office: Engineering Building, H.E.C., Dhurwa, Ranchi-834004,
Email:-cecr2018@gmail.com, Telephone:-0651-2400826 & Fax:-0651-2400799

Letter No.29.....
CE(C&R)/Rev/2485/2020/P-IV

Date.....14-02-2024
Sri Niraj
Rajendra
15/2

J.S.E.R.C. Ranchi
Dy. No. 1313
Dated 15/2/2024

From,

Arvind Kumar

Executive Director (Commercial and Revenue)

To,

The Secretary

Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand State Housing Board Old Building
Harmu Housing Colony
Ranchi – 834002

Sub: Submission of tariff proposal & tariff schedule for FY 2024-25 along with prior period expenditure for FY 2020-21 and FY 2021-22 based on the restated annual accounts for FY 2020-21 and FY 2021-22.

Ref: This office letter no 1667 dated 29.11.2023

Sir,

JBVNL had already filed Petition for approval of True-up for FY 2022-23 based on the Audited Annual Account of FY 2022-23, Annual Performance Review for FY 2023-24 and Aggregate Revenue Requirement for FY 2024-25 as per relevant provisions of JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020 on 29.11.2023 as per timelines specified in S.No 1 and 2 of Chapter A24 of JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020 along with Original D.D. No 247274 dated 29.11.2023 of Indian Bank amounting to Rs.30,00,000/- (Rupees Thirty Lacs) only.

Further JBVNL had also requested Hon'ble Commission to allow time for submission of tariff proposal and tariff schedule for FY 2024-25 in due course of time along with additional submission, if any.

Considering the above please find enclosed herewith 07 sets (01 original + 06 Photocopy) of tariff proposal & tariff schedule for FY 2024-25 along with prior period expenditure for FY 2020-21 and FY 2021-22 based on the restated annual account for FY 2020-21 and FY 2021-22 for your kind perusal and further approval.

Encl: As above

Yours faithfully,

(Arvind Kumar)

Executive Director (C&R)



1. Tariff Proposal & Tariff Schedule for FY 2024-25

1.1. Key highlights and proposed changes in Tariff Proposal

- 1.1.1. As per Clause 8.3 of National Tariff Policy, the tariffs need to be simplified and the consumer categories and slabs need to be reduced. To further simplify the tariff structure and in accordance with the National Tariff Policy 2016, JBVNL removed the unit-wise slabs among the tariff categories and sub-categories and the same has been approved by Hon'ble Commission in its Tariff Order dated 28th February 2019 and the same structure was approved in its tariff order on May 31, 2023 for FY21-22.
- 1.1.2. With continuous effort from the JBVNL, strict monitoring of the Hon'ble Commission and in line with central and state government's direction for 100% metered connection, JBVNL achieved the feat of converting all non-metered consumers to metered consumers in the year 2023-24 except some agricultural and streetlight consumers due to some operational constraints. JBVNL prays the Hon'ble Commission to allow billing of such consumers under the relevant clauses provided below.
- 1.1.3. **Voltage Wise Cost of Supply:** As per direction of Hon'ble Commission, JBVNL had conducted voltage wise Cost of Supply (COS) in FY 2017-18. The JBVNL is in the process of conducting another study on the same and the scope of work is being finalised now for selection of agency to conduct the same. However, due to time paucity, the VCoS is being re-appropriated for the FY 2024-25 and is tabulated below for consideration of Hon'ble Commission:

Voltage Level	Voltage-Wise Cost of Supply (Rs./ Unit)	
	2017-18 (Actual)	2024-25(Proportioned)
33 kV	4.82	7.24
11 kV	4.97	7.47
LT	7.16	10.76
Average CoS	6.54	9.83

1.2. General Conditions

- 1.2.1. JBVNL requests Hon'ble Commission to approve tariff proposed for supply of electricity at low tension, high tension and extra high-tension consumers.


- 1.2.2. The tariff figures indicated in this tariff schedule are the tariff rates payable by the consumers of JBVNL.
- 1.2.3. These tariffs are exclusive of Electricity Duty, tax on sale of electricity, taxes and other charges levied by the Government or other competent authorities from time to time which are payable by the consumers, in addition to the charges levied as per the tariff.
- 1.2.4. All these tariffs for power supply are applicable to only one point of supply.
- 1.2.5. The charges specified are on monthly basis. The Distribution Licensee may decide the period of billing and adjust the tariff rate accordingly.
- 1.2.6. Except in cases where the supply is used for the purpose for which the Distribution Licensee has permitted a lower tariff, the power supplied to any consumer shall be utilized only for the purpose for which supply is taken and as provided for in the Tariff Order.

1.3. Summary of Tariff Proposal

- 1.3.1. The Table below presents the existing and proposed tariff for various categories.

Table 1-1: Existing & Proposed Tariff Rate Schedule

Tariff- Existing FY 2021-22				Proposed Tariff FY 24-25	
Category/ Sub- Category	Slabs	EC	FC	EC	FC
Domestic (DS)	DS (R)	5.80 / kWh	50 / Conn./ Month	8.25 / kWh	75.00 / kW / Month
	DS (U)	6.30 / kWh	100 / Conn./ Month	9.50 / kWh	100.00 / kW / Month
	DS HT	6.15 / kVAh	150.00 / kVA / Month	9.50 / kVAh	100.00 / kVA / Month
Commercial (Non Domestic)	NDS-(R)	5.80/ kWh	100.00 / kW / Month	10.00 / kWh	200.00 / kW / Month
	NDS(U)	6.15 / kWh	150.00 / kW / Month	10.50 / kWh	250.00 / kW / Month
	NDS (HT)			10.50 / kVAh	450.00 / kVA / Month



LTIS		5.90 / kVAh	150 / kVA / Month	9.00 / kVAh	300 / kVA / Month
IAS	IAS (Pvt)	5.00 / kWh	40.00 / HP / Month	8.00 / kWh	50.00 / HP / Month
	IAS (Govt)	5.00 / kWh	40.00 / HP / Month	8.00 / kWh	50.00 / HP / Month
HTS-I	HTS - 11KV	5.65 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
	HTS - 33KV	5.65 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
	HTS - 132KV	5.65 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
HTSS	HTSS - 11KV	5.15 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
	HTSS - 33KV	5.15 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
HTIS	RTS	5.40 / kVAh	400 / kVA / Month	9.00 / kVAh	450 / kVA / Month
HTIS	MES/Other distribution licensees	5.40 / kVAh	400 / kVA / Month	9.00 / kVAh	450 / kVA / Month
SS	Metered	6.30 / kWh	150.00 / kW / Month	9.00 / kWh	200.00 / kW / Month

1.3.2. Category wise tariff proposals along with explanations are provided in this chapter for consideration of the Hon'ble Commission.

1.4. Applicability

I-Domestic Services (DS)

- 1.1 This schedule shall apply to all residential premises for domestic use for household electric appliances such as fans, televisions, freezer, Desert Coolers, Air Conditioner, etc. and including Motors pumps for lifting water up to 2 HP for domestic purposes and other household electrical appliances not covered under any other schedule.
- 1.2 This rate is also applicable for supply to religious institutions such as Temples, Gurudwaras, Mosques, Church and Burial/ Crematorium grounds and other

64

recognized charitable institutions (including Govt. Educational Institutions), where no rental or fees is charged whatsoever (duly certified by the Income Tax Authorities). If any fee or rentals are charged by such institutions, it will be charged under Commercial Category.

- 1.3 Rural drinking water schemes which are managed by Panchayats and User's Co-operatives are also included under this Category and corresponding Tariff would be charged depending upon the load of Pumping motors as applicable to the DS category.

Domestic Service–Rural, Domestic Service–Urban and Domestic Service-HT

Category of Services

a) Domestic Service – Rural: - For rural areas not covered by area indicated under DS-Urban, including rural drinking water schemes having motor pumps with load up to 2 kW.

b) Domestic Service – Urban: For Urban areas covered by notified Area Committee /municipality / Municipal Corporation /Nagar Nigam/Nagar Parishads/ Nagar Panchayats/ All District Town / All sub-divisional Town / All Block Headquarters / Industrial Area / contiguous sub-urban area all marketplaces urban or rural. Any area that comes under industrial authority development under notification from state govt and regional development authority under the state govt, any apartment registered under RERA.

c) Domestic service – HT (DS_HT): - This Schedule shall apply for domestic connection in Housing Colonies/ Housing Complex/Houses of multi storied buildings purely for residential use for single point metered supply, with power supply at 33 kV or 11 kV voltage level and load above 100kVA. However, if the DS HT consumer is having commercial establishments such as shops, malls, any establishments for profits inside the society, it has to apply for separate connection under commercial category for the same.

DS-HT consumers, who supply power to individual households within a defined premises, the average per unit charges billed to an individual consumer shall not exceed 105% of average per unit cost paid to the utility or as approved by Hon'ble commission. This additional 5% allowed reflects the internal distribution losses in housing complex and administrative and distribution costs.

Service Character

1. For DS- Rural: AC, 50 Cycles, Single Phase at 230 Volts.

2. For DS- Urban: AC, 50 Cycles, Single Phase at 230 Volts, Three Phase at 400 Volts.
3. For DS- HT: AC, 50 Cycles, at 11 kV or 33 kV.

Table 1-2: Existing & Proposed Rate Schedule for Domestic Category

Tariff- Existing FY 2021-22				Proposed Tariff FY 24-25	
Category/ Sub- Category	Slabs	EC	FC	EC	FC
Domestic (DS)	DS (R)	5.80 / kWh	50 / Conn./ Month	8.25 / kWh	75.00 / kW / Month
DS-U	DS (U)	6.30 / kWh	100 / Conn./ Month	9.50 / kWh	100.00 / kW / Month
DS HT	DS HT	6.15 / kVAh	150.00 / kVA / Month	9.50 / kVAh	100.00 / kVA / Month

Delayed Payment Surcharge

For Domestic Service category, the delayed payment surcharge shall be at the rate of 1.5% per month and part thereof.

Tariff proposal for Domestic Service (DS) and Rationale for Change in Tariff

1. For domestic consumers, JBVNL proposes to have different tariff for rural and urban category of consumers. Taking cognizance of the difference in economic condition of rural and urban consumers, JBVNL proposes different tariffs for both the categories of consumers by maintaining a considerable gap both in fixed charge and energy charge and thus providing some relief to rural domestic consumers.
2. JBVNL proposes to remove per connection basis charge for fixed charge and introduce fixed Charges based on connected load basis for all domestic consumers (both rural and urban domestic consumers). For smart meter/ MDI meter consumers, the fixed charge will be on the sanctioned load or maximum demand recorded whichever is higher in the meter and for conventional meter consumers, the fixed charge will be on the sanctioned load of the consumer.
3. The rationale for introducing fixed charge based on sanctioned load is many fold. Firstly, the consumer should be aware about the tools and appliances in its premises and the

energy consumption and usage pattern of such appliances so that he/she can effectively plan for energy consumption and its timing. Also, with smart meter implementation in Ranchi, it was found that the maximum demand recorded in the meter is way above the contracted demand of many consumers. Thus, fixed charge based on the contracted load would help the utility for better power procurement strategy and overall, would lead to energy conservation. JBVNL would pro-actively organize such awareness campaigns through Urja Melas and other available mediums to make the customer aware about its benefits.

4. For rural consumers whose average load is 1kW and having consumption below 100 units, there will be no impact of such tariff change to them. However, for those consumers (both urban and rural) having a higher load or whose consumption is high, will have to pay more for their consumption unless they plan their consumption judiciously.
5. JBVNL anticipates that many domestic consumers that are having excess loads would revise their connected load accordingly. Such revision of connected load in their premises would help JBVNL plan the network efficiently. This will also help in provisioning for optimal transformer capacity and designing of sub-station through better knowledge of connected load in that area.
6. The JBVNL has proposed a decent increase in energy charges for domestic consumers, for both rural and urban consumers as tariffs have not been revised for long and the Hon'ble Commission has only approved a minor increase in its last tariff order for FY 21-22 that was applicable from June 01,2023. JBVNL is proposing to move away from per connection basis fixed charge to load based fixed charge.
7. For DS (HT) consumers, the petitioner is proposing a decent increase considering the end consumers are generally coming under domestic category with domestic load. These consumers also help the network by reducing the overall losses through connection at higher voltage level. The petitioner hopes that a small increment of tariff under this category would like to provide the impetus to other consumers/residential societies to shift to DS (HT) mode, taking connection at 11kV and 33kV , thus reducing the line losses and helping JBVNL for better planning of network.
8. For DS-HT Category Billing Demand: The petitioner would like to propose that the Billing Demand shall be the Maximum Demand recorded during the month or 85% of the Contract Demand whichever is higher. This proposal is in sync with the trend of energy consumption in these societies where the demand of electricity is increasing day by day.

6

The penalty on exceeding Billing Demand will be applicable in accordance with subsequent chapter of this Petition.

9. Tariff hike for the domestic category has been proposed in order to move the retail tariffs for the category closer to the Voltage-Wise Cost of Supply at LT level for urban and rural domestic consumers except DS (HT) and for reducing the overall revenue gap for JBVNL.

II- Non-Domestic Service / Commercial Services (NDS)

1. This schedule shall apply to all consumers, using electrical energy for light, fan and power loads for non-domestic purposes like shops, hospitals (govt. or private), nursing homes, clinics, dispensaries, restaurants, hotels, clubs, guest houses, marriage houses, public halls, show rooms, workshops, central air-conditioning units, offices (govt. or private), commercial establishments, cinemas, X-ray plants, MRI Centers, CAT Scan Centers, Pathologies Telephone Booths / PCO (STD / ISD), Fax Communication Centers, Photo Copiers, Cyber Café, schools and colleges (govt. or private), boarding/ lodging houses, libraries (govt. or private), research institutes (govt. or private), railway stations, fuel-oil stations, service stations (including vehicle service stations), All India Radio/ T.V. installations, printing presses, commercial trusts/ societies, Museums, poultry farms, Duckery, Horticulture, Tissue culture Floriculture, Herbal-Medicinal-Bio Diesel Plant Farming, Food Processing Unit, Mushroom and Farming units, Banks, Theatres, Common facilities in multi-storied Commercial office/buildings, Dharmshala and such other installations not covered under any other tariff schedule.
2. It also includes for electricity supply availed through separate (independent) connections for the purpose of advertisements, hoardings and other conspicuous consumption such as external flood light, displays, neon signs at public places (roads, railway stations, airports etc.), departmental stores, commercial establishments, malls, multiplexes, theatres, clubs, hostels, hotels, private farming where GST is applicable, any resorts in rural set up, agricultural farm house, organic produce packaging units, fishery units, high end sewing establishments using heavy equipment, any agricultural or forest produce processing factory units and other such entertainment/ leisure establishments,. Provided that the electricity, that is used for the purpose of indicating/ displaying the name and other details of the shops or Commercial premises, for which electric supply is rendered. Such usage of electricity shall be covered under the prevailing tariff of such shops or commercial premises. Any construction activity should also come under commercial category.

Category of Services

a) Commercial Services – Rural:

For Rural Areas not covered by area indicated for NDS Urban and NDS HT

b) Commercial Service – Urban:

For Urban Areas, establishments covered by Notified Areas Committee/ municipality / Municipal Corporation /Nagar Nigam/ Nagar Parishads/ Nagar Pachayats/ All District Town / All Sub-divisional Town / All Block Hqrs. /Industrial Area & Contiguous Sub-urban area, market place in rural or urban areas and having load less than or equal to 100kVA.

c) Commercial Services – HT:

JBVNL proposes to introduce a new category, named as Commercial Services – HT (NDS HT) category to cater to all the consumers of the category that avail supply above 100kVA and connection at voltage level of 6.6kV and above.

Service Character

1. CS- Rural: - AC 50 Cycles, Single phase at 230 Volts.
2. CS -Urban: - AC 50 Cycles, Single phase at 230 Volts or Three Phase at 400 Volts
3. CS – HT - AC 50 Cycles, 3 Phase at 6.6 kV / 11 kV / 33 kV / 132 kV / 220 kV / 400 kV

Table 1-3: Existing & Proposed Rate Schedule for Commercial Category

Tariff- Existing FY 2020-21				Proposed Tariff FY 24-25	
Category/ Sub- Category	Slabs	EC	FC	EC	FC
Commercial (Non Domestic)	NDS-(R)	5.80/ kWh	100.00 / kW / Month	10.00 / kWh	200.00 / kW / Month
	NDS(U)	6.15 / kWh	150.00 / kW / Month	10.50 / kWh	250.00 / kW / Month
NDS (Commercial)	NDS (HT)			10.50 / kVAh	450.00 / kVA / Month

Delayed Payment Surcharge



For Commercial Service category, the delayed payment surcharge shall be at the rate of 1.5% per month of the net demand and part thereof.

Tariff proposal for Non Domestic / Commercial Services (NDS Rural/Urban/HT) and Rationale for Change in Tariff

1. The Petitioner has proposed to have different tariff for both rural and urban commercial consumers.
2. However, for rural commercial consumers, JBVNL provides reduced tariff in fixed and energy charges as compared to urban commercial consumers. The proposed increment in tariff is due to a meagre revision of tariff of this category for the year FY 21-22 that was only applicable from June 01, 2023 and also due to increasing nature of cumulative revenue gap for the petitioner. For consumers having smart meter/MDI meter installed in their premises, the fixed charge will be on the maximum demand recorded and for conventional meter, the fixed charge will be on the sanctioned load of the consumer. The proposed hike in the commercial category is due to the nature of the services where the output price is determined by the input cost that can be passed through to the end consumers.
3. In the existing tariff, the commission has fixed commercial category for consumers having load more than 5kW. Taking advantage of such distinction, it was observed that in many urban or rural areas, commercial consumers have declared their connected load at or below 5kW to avail tariff under domestic category. Also, in some cases, the subsidy was abused that was meant for domestic consumers. In this tariff petition, the petitioner has proposed to do away with such distinction for commercial consumers (i.e) if the consumer is categorized as commercial consumers, they would be billed under commercial category tariff and not under domestic category irrespective of their connected load.
4. Fixed Charges based on contracted load: JBVNL has proposed to retain the fixed charges based on the Contracted Load/Demand for the commercial consumers.
5. For NDS-HT Category Billing Demand: The petitioner has proposed a separate category of consumers under commercial segment having load above 100kVA. For such consumers, JBVNL would like to propose that the Billing Demand shall be the Maximum Demand recorded during the month or 85% of the Contract Demand whichever is higher. This proposal is in sync with the trend of energy consumption in these establishments where the demand of electricity is increasing day by day. The penalty on exceeding Billing Demand will be applicable in accordance with subsequent chapter of this Petition.

6. Tariff hike has been proposed in order to reduce the overall revenue gap for the JBVNL.

III- Street Light Services

1. This tariff schedule shall apply for use of Street Lighting system, including single system in corporation, municipality, Notified Area Committee, panchayats etc. and also in areas not covered by municipalities and Notified Area Committee provided, the number of lamps served from a point of supply is not less than 5.

Street Light Service (SS): AC, 50 cycles, Single phase at 230 Volts or three phase at 400 Volts.

Table 1-4: Existing & Proposed Rate Schedule for Streetlight Services

Existing Tariff FY 2021-22				Proposed Tariff FY 2024-25	
Category/ Sub- Category	Slabs	EC	FC	EC	FC
SS	Metered	6.30 / kWh	150.00 / kW / Month	9.00 / kWh	200.00 / kW / Month

Tariff Changes proposed to Streetlight Services tariff and rationale for change in tariff

1. Tariff hike has been proposed in order to move the retail tariffs for this category closer to the Voltage-Wise Cost of Supply and for reducing the overall revenue gap of JBVNL.
2. However, despite the petitioner's best effort, there are some street consumers left to be metered due to operational constraints. For street light consumers where meter installation is not possible, JBVNL requests the Commission to allow the billing under average consumption mode with a load factor of 50%.

IV- Irrigation & Agriculture Service (IAS)

1. This schedule shall apply to all consumers for use of electrical energy for Agriculture purposes including tube wells and confined to Chaff-Cutter, Thresher, Cane crusher and Rice-Hauler, when operated by the agriculturist in the field or farm and does not include Rice mills, Flour mills, Oil mills, Dal mills, Rice-Hauler or expellers and equipment for organic farming.

Service Character:

AC 50 Cycles, Single Phase at 230 volts / 3 Phase at 400 volts

Table 1-5: Existing & Proposed Rate Schedule for Irrigation & Agricultural Services

Category	Slab	Existing Tariff FY 2021-22		Proposed tariff FY 2024-25	
		EC	FC	EC	FC
IAS	IAS (Pvt)	5.00 / kWh	40.00 / HP / Month	8.00 / kWh	50.00 / HP / Month
IAS-II	IAS (Govt)	5.00 / kWh	40.00 / HP / Month	8.00 / kWh	50.00 / HP / Month

Delayed Payment Surcharge

For Irrigation and agriculture service category, the delayed payment surcharge shall be at the rate of 1.5% per month and part thereof.

Tariff Changes proposed to IAS tariff and rationale for change in tariff

1. Tariff hike has been proposed to this category of consumers in order to move the retail tariffs for the category closer to the Voltage-Wise Cost of Supply and for reducing the overall revenue gap of JBVNL.
2. For agricultural consumers that are unmetered due to operational constraints, the petitioner prays the Hon'ble Commission to approve the charges based on rating of the pump (i.e) Rs 600 per HP per month.

V- Industrial Services

- Low Tension Industrial Service (LTIS)
- High Tension Industrial Service (HTS)
- High Tension Special Service (HTSS)

Low Tension Industrial Service (LTIS): This schedule shall apply to all industrial units having load less than or equal to 100kVA or equivalent in terms of HP or kW. The equivalent HP for 100 kVA shall be 114 HP and the equivalent kW for 100 kVA shall be 85.044 kW.

Note: Any LTIS consumer who is found to have more than 100 kVA load shall be automatically treated as HTS consumer.

56

High Tension Industrial Service (HTS - I): All the industrial consumers drawing power at voltage level of 6.6 kV and above except Domestic-HT consumers, Commercial – HT consumers, ¹Captive Power Producers (CPP) and HT- Institutional Consumers.

High Tension Special Service (HTSS): This tariff schedule shall apply to all HTS consumers who have a contracted demand of 300 KVA and more for induction/arc Furnace. In case of induction/arc furnace consumers (applicable for existing and new consumers), the contract demand shall be based on the total capacity of the induction/arc furnace and the equipment as per manufacturer technical specification and not based on measurement. This tariff schedule will not apply to casting units having induction furnace of melting capacity of 500 Kg or below.

Service Character

Low Tension Industrial Service (LTIS): AC, 50 Cycles, Single Phase supply at 230 Volts or 3 Phase Supply at 400 volts.

High Tension Industrial Service (HTS): 50 Cycles, 3 Phase at 6.6 kV / 11 kV / 33 kV / 132 kV / 220 kV / 400 kV

High Tension Special Service (HTSS): 50 Cycles, Three Phase at 11 kV/33 kV/132 kV/220 kV/400 kV.

LTIS-: The billing demand will be the maximum demand recorded during the month or 75% of the sanctioned load, whichever is higher. In case Recorded Demand is more than 100 kVA/85 kW for any month for more than three instances within a Financial Year, the average of the Maximum Demand recorded during such instances shall be treated as the new Contract Demand for the purpose of billing of future months and the consumer shall have to get into a new Agreement under the HTIS category for the revised contracted demand with the Petitioner as per the terms and conditions of HT supply.

HTS/HTSS - For billing, demand shall be the maximum demand recorded during the month or 85% of contract demand whichever is higher.

The penalty on exceeding contract demand shall be 1.5 times the normal charges for actual demand exceeding 110% of the contracted demand; the penal charges shall be applicable on exceeded demand (w.r.t.) the Contract demand only. JBVNL proposes to automatically enhance

¹ These are the CPPs drawing power from the utility on regular basis and demanding to be charged on the HTS rates applicable, contravening the (UTILIZATION OF SURPLUS CAPACITY OF CAPTIVE POWER PLANTS BASED ON CONVENTIONAL FUEL) REGULATIONS, 2023 NOTIFICATION dated 22nd November 2023



the load of the consumer based on Maximum Demand of the consumer of last 3 months if it exceeds 110% of the contract demand without giving any notice to the consumer.

Low Voltage Supply Surcharge

Consumers availing supply at lower voltage than the above-mentioned classification in service character will be required to pay Low Voltage Supply Surcharge @3%.

Penalty for exceeding Billing/ Contract Demand

Penalty for exceeding Billing/ Contract Demand shall be applicable as per Clause-I of Terms and Conditions of Supply

Voltage Rebate

Voltage rebate to the HTS consumers shall be applicable as per Clause IV of Terms and Conditions of Supply.

Delayed Payment Surcharge

Delayed Payment Surcharge will be charged in accordance with Clause III of Terms and Conditions of Supply.

Load Factor Rebate

Load Factor rebate to the HTS consumers shall be applicable as per Clause V of Terms and Conditions of Supply.

Table 1-6: Existing & Proposed Rate Schedule for Industrial Services

Tariff- Existing FY 2021-22				Proposed Tariff FY 24-25to	
Category/ Sub- Category	Slabs	EC	FC	EC	FC
LTIS		5.90 / kVAh	150 / kVA / Month	9.00 / kVAh	300 / kVA / Month
HTS-I	HTS - 11KV	5.65/ kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month

	HTS - 33KV	5.65 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
	HTS - 132KV	5.65 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
HTSS	HTSS - 11KV	5.15 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month
	HTSS - 33KV	5.15 / kVAh	400 / kVA / Month	6.30 / kVAh	450 / kVA / Month

Tariff changes proposed to Industrial Services tariff and rationale for change in tariff

1. In view of the increase in the average cost of supply of JBVNL consumers and also due to the fact that the industrial tariff had not increased in the past years, JBVNL has proposed decent increase in Industrial Tariff to recover its Revenue Gap.
2. It is to be noted that fixed charges have not been increased considerably vis-à-vis the cost of the utility. The fixed cost liability of the utility has increased many folds due to long term PPAs and the system strengthening due to new consumers connected through various government schemes. The cost of the utility has increased many times and hence, JBVNL proposes to increase the fixed cost marginally through provisioning of fixed cost increase in tariff schedule.

VI- HT Institutional Services

1. This tariff schedule shall apply for use of Railway Traction, Military Engineering Services and Other Distribution Licensees.
2. **Railway Traction (RTS) and Military Engineering Services (MES):** This tariff schedule shall apply for use of railway traction and Military Engineering Services (MES) for a mixed load in defense cantonment and related area.
3. **Other distribution licensees:** This tariff schedule shall apply to other distribution licensees procuring power from JBVNL for the sole purpose of supplying it to its consumers.

Service Character:

Railway Traction Service (RTS): AC, 50 cycles, Single, two or three phase at 25 kV/132 kV.

(5)

Military Engineering Services (MES): AC, 50 cycles, three phase at 11 KV/ 33 KV/ 132 kV
Other Distribution Licensees: AC, 50 cycles, three phase at 11 KV/ 33 KV/ 132 kV

Table 1.7: Existing & Proposed Rate Schedule for Institutional Services

Tariff- Existing FY 2021-22				Proposed Tariff FY 24-25to	
Category/ Sub- Category	Slabs	EC	FC	EC	FC
RTS	RTS	5.40 / kVAh	400 / kVA / Month	9.00 / kVAh	450 / kVA / Month
MES/other distribution licensee	MES	5.40 / kVAh	400 / kVA / Month	9.00 / kVAh	450 / kVA / Month

Maximum Demand for Railway Traction Services

The demand charge shall be applied on maximum demand recorded or contract demand whichever is higher.

Delayed Payment Surcharge

The delayed payment surcharge shall be applicable in accordance with Clause III of Terms & Conditions of Supply.

Voltage Rebate

Voltage rebate to the RTS, MES and Other Distribution Licensee consumers shall be applicable as per Clause IV of Terms and Conditions of Supply.

Load Factor Rebate

Load Factor rebate to the RTS, MES and Other Distribution Licensee consumers shall be applicable as per Clause V of Terms and Conditions of Supply.

VIII-Separate Category for EV Charging Station

1. The JBVNL is proposing the Tariff for the Electrical Vehicle charging stations. The rationale for the same is described in the below paragraphs:



Private Charging Stations:

1. At residences / offices to be permitted.
2. Minimum infrastructure requirements as per these guidelines do not apply to Private Charging Points.
3. Captive charging infrastructure for 100% internal use for a company's own/leased fleet for its own use will not be required to install all type of chargers and to have Network Service Providers (NSP) tie ups.
4. Fast Charging Stations (FCS) which are meant only for 100% in house / captive utilization, for example buses of a company, would be free to decide the charging specifications as per its requirement.
5. The tariff applicable for domestic consumption will be applicable for domestic charging.

Public Charging Stations (PCS)

1. De-licensed activity: any individual/ entity is free to set up public charging stations.
2. Connectivity on priority basis for PCS.
3. Minimum Requirements are as under:
 - i. PCS will have one or more electric kiosk / boards with installation of all the charger models as follows.
 - ii. The PCS providers are free to create Charging Hubs and to install additional number of Kiosk / Chargers in addition to the minimum number of chargers prescribed above.
 - iii. Tie up with at least one online NSP to enable advance remote / online booking of charging slots by EV owners.
 - iv. Fast charging facility is also planned to be provided at the PCS.
 - v. PCS can also have the option to add Standalone battery swapping facilities in addition to the above mandatory facilities, provided space / other conditions permit.

Proposed Tariff Design

As per MoP Guideline the tariff can be determined as follows:

"the cost of supply to a public charging station will be 0.8 times of ACoS during solar hours and 1.2 times of ACoS during non solar hours"



The petitioner has proposed that a new category by the name '**EV Charging**' may be created in the Rate Schedule keeping in view the guidelines of Ministry of Power. The same is as follows:

Proposed Tariff for EV Charging

For different categories of EV charging consumers:

1. Domestic Consumers

All the metered domestic consumers will be allowed to charge their electric vehicle at their residence, provided the load of EV does not exceed the connected / contracted load. The tariff that is applicable as per the rate schedule will be applicable on electric vehicle charging as well.

The consumer will be required to bear all expenses related to connection/ related electricity infrastructure charges, wherever applicable. However, if consumer is having an EV vehicle for commercial purpose, The consumer has to register the same with municipal authorities (if municipal authority has provisions for it) and disclose/declare the same to the JBVNL. In case no such registration exists, the consumer has to self-declare the same to JBVNL.

2. Public Charging Stations:

As per Ministry of Power's revised consolidated guidelines and standards regarding charging infrastructure for EV issued on ²27th April 2023, the cost of supply to a public charging station will be 0.8 times of ACoS during solar hours and 1.2 times of ACoS during non solar hours. Accordingly, the proposed tariff applicable for Public Charging Stations will be as follows:

Table 1-8: Proposed Tariff for Electrical Vehicle Charging Stations

Category	Demand Charge	Energy Charge*
Public Charging Station (during solar hours 9AM to 4PM)	Nil	Rs. 7.86 / kWh
Public Charging Station (during non solar hours, remaining period of day)	Nil	Rs. 11.79 / kWh

The consumer will be required to bear all expenses related to connection/ related electricity infrastructure charges, wherever applicable.

² <https://evyatra.beeindia.gov.in/central-govt-initiative-details/ministry-of-power-mop2023/>

50

3. Other Consumers

The consumers of other metered category that are not covered above, will be charged as per the tariff applicable for their respective category or to say they need not take a separate connection, they can do the charging within their respective connections, provided the load of EV does not exceed the connected / contracted load.

Note: It is advised that the consumer should take precaution to take adequate contracted load in order to meet the load of charging of Electrical Vehicle. In case the contracted / connected load is breached then the consumer will be liable to pay penalty. Further, the other provisions of General Provisions of Rate Schedule and Electricity Supply Code will also come into effect in case consumers load breaches the contract demand.

4. Tariff to be paid by the Licensee for Gross/Net Metering of rooftop Solar PV projects

The Commission had notified the JSERC (Rooftop Solar PV Grid Interaction Systems and Net/Gross Metering) Regulations, 2015, on November 10, 2015, and further notified its 1st amendment as JSERC (Rooftop Solar PV Grid Interaction Systems and Net/Gross Metering) (1st Amendment) Regulations, 2019.

As per the Commission, The Tariff for sale of surplus power by Gross/Net metering of Rooftop Solar PV for FY 2020-21 for such eligible consumers is fixed at :

Gross Metering: Rs. 4.16/kWh

Net Metering: Rs. 3.80/kWh

However, if the surplus power generated by government buildings where 100% subsidy is available for installation of solar rooftop, there should be minimal charges for net metering rates. However, if the installation is for private prosumers, the net metering tariff should be proportionately higher. Hence, JBVNL is proposing the following rates for both gross metering and net metering consumers:

Proposed rate for Gross Metering: Rs 4.16/kWh

Proposed rate for Net Metering:

- For government buildings rooftop: Rs 0.50/kWh
- For Private building rooftop: Rs 1.50/kWh

1.5. Revenue at Proposed Tariff

1.5.1. For projecting the Fixed Charges for FY 2023-24, the average of estimated connected load for FY 22-23 and for FY 23-24 has been considered along with the proposed rates for fixed charges for category wise consumers.

1.5.2. Category-wise revenue at proposed tariff has been worked-out based on above assumptions and projected billing determinants are shown in the Table below:

Table 1-9: Category-wise revenue of JBVNL at Proposed Tariff and ABR for FY 2024-25

Category	Energy Charges	Fixed Charges	Total Revenue	ABR
Domestic (including DS HT)	5842.54	591.13	6433.66	9.75
NDS	1561.55	288.00	1849.55	12.79
SS	60.98	3.32	64.30	9.49
LTIS	403.12	103.54	506.66	15.08
IAS	144.66	4.04	148.70	8.22
HTS & HTSS	1397.71	369.26	1766.97	8.85
HTIS (RTS)	72.91	18.39	91.30	12.52
HTIS (MES)	11.87	2.44	14.31	12.05
Total	9495.35	1380.11	10875.46	10.15

1.5.3. At proposed tariff, an additional revenue of Rs. 3122.36 Crore will be generated as compared to the projected revenue at existing tariff. The overall proposed hike in terms of percentage is 40.64% as compared to current applicable tariff. Accordingly, due to increase in this revenue the accumulated revenue gap and treatment of revenue gap will be revised for FY 2024-25 after due approval of the Hon'ble Commission.

2. Proposal for prepaid smart meters

The petitioner has filed a miscellaneous petition No. 05 of 2023 to the Hon'ble Commission to come out with a separate regulation for treatment of smart meter operation, billing, collection and other related matters. The hearing in this case was finished and as advised, the petitioner has also submitted the pointers related to smart meters regulations. The Commission is in the process of formulating regulations on the same. However, for clarity purpose, some of the proposed rules and regulations for prepaid smart meters as proposed by the petitioner are provided below for reference.

- 2.1.** To reduce the AT&C loss and increase the coverage of billing and collection efficiency, JBVNL has taken up the prepaid smart metering works under various schemes. This has also been an active component under RDSS. Under this part, Prepaid Smart metering for consumers and System metering at Feeder and Distribution Transformer Level with communicating feature along with associated Advance Metering Infrastructure (AMI) will be done in TOTEX (Total Expenditure) mode through PPP.
- 2.2.** Proposed changes in reference to smart meter metering: the smart meters are being installed in prepaid mode and electricity charge calculation is done on a daily basis. Daily charge calculation/deduction shall be done in MDMS system or billing system based on the data collected from Head End System (HES) (daily profile, load profile and billing profile). The balance and consumption data shall be updated against each consumer, which can be readily viewed by the consumer via dedicated mobile app and web portal.
- 2.3.** The moment, consumers balance falls below the 7-day average amount (i.e. seven times the last month's daily average), a recharge notification/alert (Notification 1) is sent to the consumer to avoid disconnection and same is also reflected in the consumers mobile app.
- 2.4.** Once the consumer's balance goes below zero amount, disconnection/auto cut alert message (Notification 2) is sent to the consumer asking them to recharge and same is also reflected in the consumers mobile app)
- 2.5.** Within 24 hours of the disconnection/auto cut alert message, consumers receive an imminent disconnection/auto cut message (Notification 3) and failure to recharge within 24 hours of the imminent disconnection/ auto cut message leads to auto cut of the consumer connection and same may also be reflected in the consumers mobile app.
- 2.6.** Disconnection is scheduled only between 10 AM – 1 PM of any particular day, provided it is not a Govt. of Jharkhand notified holiday or a Sunday.

- 2.7.** Post disconnection/auto cut, consumers are notified once in every 4 days about the same along with details of the negative balance amount till the consumer recharges their account to show a positive balance amount.
- 2.8.** The Commission is hereby requested to consider the above-mentioned process/timelines formulated by the JBVNL for the temporary disconnection of consumers with smart prepaid energy meters & grant approval for the same. Also, the petitioner prays to the Hon'ble commission that notifications as highlighted above may be considered as formal intimation to the consumers for DISCOM to carry out temporary disconnection/auto cut.
- 2.9.** Smart pre-paid meter reconnection process : Consumers can recharge online through Mobile app, web application and digital payment system such as E-wallet, or collection counter and web portal and the smart meter will be connected automatically after verification of the same.
- 2.10.** Post Disconnection, consumers must recharge their account to a positive balance amount for the reconnection process to be initiated.
- 2.11.** Once account shows positive balance, the automatic reconnection command is triggered from MDMS to HES (Head End System) and HES to meter.
- 2.12.** The consumer can get auto reconnected within few minutes of recharge of the meter. However, in case of any delay in reconnection, DISCOMs shall ensure that the reconnection is done by 7PM on the same day, if recharge is done before 1PM on the same day. If the recharge is done after the cut off time of 1PM, the reconnection is done within 6 hours of the recharge time on the same day. For recharge after 7PM to 11.59PM, the reconnection will be done by 10AM on the second day.
- 2.13.** In case, consumers are temporarily disconnected on account of breach of conditions of supply or of his/ her agreement with the Licensee or of such provisions of the Act other than the reason of low or negative balance, a nominal charge as approved by the Hon'ble Commission may be recovered from the consumer as reconnection charges to ensure that the cause of disconnection has been removed & any associated compliance for ensuring safety is maintained at the consumer premise, before restoring supply of electricity. Such amount shall be deducted from the consumer's account & payment of any existing dues along with the reconnection charge is necessary for ensuring electricity supply restoration at such consumer premises.

46

2.14. The Commission is therefore requested to consider the above-mentioned process & timelines formulated by the JBVNL for reconnection of temporary disconnection consumers with smart prepaid energy meters & grant approval for the same. Also, the petitioner prays to the Hon'ble commission to approve the threshold timelines for reconnecting consumers, taking into consideration the topological challenges prevailing across the state. Additionally, Petitioner requests the Commission to approve the recovery of reconnection charges from consumers when reason for disconnection is anything other than low or negative account balance.

2.15. To incentivize the uptake of smart metering, JBVNL proposes 3% rebate for the consumers with prepaid smart meters. Further monthly bills will be communicated through mail/SMS/website of the JBVNL. A hard copy of billing will be provided to the consumer upon request.

2.16. The Commission is further requested to draft and publish a detailed Smart Metering Regulations for the state of Jharkhand and establish provisions and regulations related to smart metering in the state including but not limited to the above-mentioned provisions.

3. Schedule of Charges

3.1. Background

3.1.1. The miscellaneous charges have not been revised for long by the Hon'ble Commission. The Petitioner requests the Hon'ble Commission that these charges are not in line with the current inflation and corresponding charges applied by our neighbouring states. The below mentioned schedule has been proposed in our earlier petition for FY 23-24. The same charges have been proposed here in this petition for the consideration of the Hon'ble Commission.

3.2. Rationale for increase of Miscellaneous charges

a) Inflation in last few years

3.2.1. As discussed in the above section, there has not been much increase in miscellaneous charges in last 10 years. these charges are not in line with the current inflation and the charges taken by the other States.

3.2.2. The Petitioner in line with the JSERC Regulations 2020, has estimated the inflation factor based on the actual Wholesale Price Index (WPI) and Consumer Price Index (CPI) for the last few years. The table below provides the average of Inflation indices of CPI and WPI:

Table 3-1: Inflation trend from FY 13-14 to FY 23-24

Index	FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22	FY 22-23	*FY 23-24
CPI	236.0	250.8	265.0	275.9	284.2	299.9	317.4	338.7	354.4	377.6	400.90
WPI	112	114	110	112	115	120	122	123	137	152.5	151.4

*upto October 2023-24

Table 3-2: Combined Inflation in FY 2022-23 & FY 2023-24

Period	WPI	CPI	Total
Weightage	0.45	0.55	1.00
Avg Indexation for FY 23-24	151.43	394.10	
Avg Indexation n-1 (Index * Wt.)	68.15	216.75	284.90
Avg Indexation for FY22-23	152.53	377.62	


Avg Indexation n-1 (Index * Wt.)	68.64	207.69	276.33
Avg Indexation for FY21-22	139.41	356.06	
Avg Indexation n-1 (Index * Wt.)	62.73	195.84	258.57
Avg Indexation for FY20-21	123.35	338.69	
Avg Indexation n (Index * Wt.)	55.51	186.28	241.79
Combined Inflation for FY 2021-22 (Indxn/Indxn-1)			6.94%
Combined Inflation for FY 2022-23 (Indxn/Indxn-1)			6.87%
Combined Inflation for FY 2023-24 (Indxn/Indxn-1)			3.10%

b) Labour rates

- 3.2.3. It can be noted that the labour charges for a skilled worker is Rs. 408.50/ day as per the Department of Labour, employment & Training, Government of Jharkhand. However, charges for works related to testing of meter/installation for single/three phase consumers have been kept at Rs. 100 and charges for work relating to removing/ refixing of Meter/ Changing of Meter or Meter Equipment has been kept at only Rs. 200. Hence, it is noteworthy that the current miscellaneous charges are not complying with the industry standards and need to be revised to bring them to a realistic level.
- 3.2.4. JBVNL is the distribution utility with one of the lowest miscellaneous charges in the country. Even neighbouring States like Bihar, Odisha, Chhattisgarh and West Bengal have significantly higher charges.
- 3.2.5. It is noteworthy that Jharkhand was constituted as a result of the bifurcation of the erstwhile State of Bihar on 15 November 2000. However, both the state shares the same demography and geography. It can be seen that Bihar being the neighbouring state of Jharkhand has comparatively higher miscellaneous charges

Table 3-3: Labour Charges of Jharkhand & Bihar (Rs/Day)

Class of employee	Jharkhand	Bihar
Unskilled	352.38	395



Semi-skilled	369.17	411
Skilled	486.64	500
Highly-skilled	562.14	611

** Labour rates for contractual labour as effective from October 2023*

3.2.6. A detailed comparison of JBVNL rates is provided in the following sub-sections.

3.3. Revised schedule of charges

3.3.1. Considering the above factors like inflation and present labour rates and in line with miscellaneous charges applicable in other neighbouring States, JBVNL would like to propose revised schedule of miscellaneous charges.

3.3.2. The Petitioner has proposed charges under 11 nos. heads as following-

1. Application Fee,
2. Revision of Estimate on Consumer Request based on Revision in Original Application,
3. Testing of Consumer Installation,
4. Meter Test when Accuracy disputed by Consumer
5. Removing/ fixing of Meter/ changing of meter etc.
6. Fuse Cell Replacement
7. Disconnection/ Reconnection
8. Replacement of Meter card
9. Security Deposit
10. Replacement of Burnt Meter
11. Transformer Rent

3.3.3. The new connection application fees include the application fees for new connection which is exclusive of other charges related to new connection (applicable as per the cost estimate). It is pertinent to mention that free of cost/ instalment basis electricity connections are being provided under various Central and State sponsored schemes. Therefore, the charges shall be applicable as per the scheme guidelines for the consumers

42

covered under any Central or State Government sponsored scheme. It is pertinent to mention that significantly higher effort is required for processing connection at 11 kV and higher, hence the charge for them should be increased.


- 3.3.4. The Petitioner has also revised the charges for Temporary and Permanent disconnection charges. It is noteworthy that significant effort is being required for permanent disconnection as the job includes removal of meter, metering units, cables & wires and other allied materials, transportation charges, labour charges, etc. Therefore, a higher amount as compared to temporary charges is being proposed for Permanent disconnection. Also, reconnection charges have been proposed which is in line with the temporary disconnection charges.
- 3.3.5. As part of the simplification of miscellaneous charges, the Petitioner has proposed a single charge related to consumer services which includes re-sealing, fuse replacement, modification in connection layout/ meter shifting, meter fixing/ removal, service line replacement, name change, load modification, subsequent installation testing, replacement of Defective or Burnt meters. It is submitted that considering the average life of 5 years of meters, the burnt meter charges shall not be applicable, if the meter gets defective after 5 years from the date of installation. It is also submitted that the consumer has to bear the actual cost of meter as penalty in case of burnt meters and defective meters (in case of consumers' fault).
- 3.3.6. It is submitted that the Petitioner has not proposed any charges related to meter rent as it has been abolished by the Commission in its earlier order. However, the charges related to meter testing is being proposed which is inclusive of metering unit in case CT operated and Tri-vector meter. It is submitted that in case where the consumer opts for meter testing through a third party/ external agency, the charges of external agency shall be borne by the consumer itself, in addition to the above applicable service charges.
- 3.3.7. It is pertinent to mention that industrial consumers have to make a separate arrangement of required capacity transformer for availing electricity. However, in some special cases, JBVNL has provided a temporary arrangement of transformer to Industrial consumers or in some cases of temporary supply. Therefore, the approved charges pertaining to transformer rent is inevitable to bring clarity among consumer as well as to utility.
- 3.3.8. To discourage the consumer for opting transformer on rent and to make self-arrangement of the same, the Petitioner has proposed for slightly higher transformer rent. It is also submitted that transformer rent shall only be applicable for maximum of 6 months.

3.3.9. The summary of miscellaneous charges proposed by JBVNL is detailed in the table below. It is humbly prayed to Hon'ble Commission to approve the below mentioned schedule of miscellaneous charges:

Table 3-4: Comparison of Existing & Proposed Miscellaneous Charges

Sl. No.	Purpose	Existing rate FY 21-22		Proposed rate FY 24-25	
		Scale of Charges	Payment Realisation	Scale of Charges	Payment Realisation
1.	Application Fee				
	LT Connection	Rs.100	Payable with Energy Bill	Rs. 250	Payable with Energy Bill/ Cash payment on receipt bill
	HT Connection	Rs. 500		Rs. 1000	
2	Revision of Estimate on Consumer Request based on Revision in Original				
	LT Connection	Rs. 100	Payable with Energy Bill	Rs. 150	Payable with Energy Bill/ Cash payment on receipt bill
	HT Connection	Rs. 500		Rs. 700	
3	Testing of Consumers Installation ¹				
	LT Supply	Rs. 100	Payable with Energy Bill	Rs. 150	Payable with Energy Bill/ Cash payment on receipt bill
	HT Supply	Rs. 500		Rs. 600	
4	Meter Test when Accuracy disputed by Consumer ²				
	Single Phase/Three Phase	Rs. 100	Payable with Energy Bill	Rs. 200	Payable with Energy Bill/ Cash payment on receipt bill
	Trivector/Special Type Meter, HT, EHT Metering Equipment	Rs. 1000		Rs. 1500	
5	Removing/Refixing of Meter/Changing of Meter or Meter Equipment/Fixing of Sub Meter on the request of the Consumer/Fixing of Sub Meter Resealing of Meter when seals are found broken				
	Single Phase/Three Phase	Rs. 200	Payable with Energy Bill	Rs. 500	Payable with Energy Bill/

Sl. No.	Purpose	Existing rate FY 21-22		Proposed rate FY 24-25	
		Scale of Charges	Payment Realisation	Scale of Charges	Payment Realisation
	Trivector/Special Type Meter, HT,	Rs. 1000		Rs. 1500	Cash payment on receipt bill
6	Fuse call-Replacement				
	Consumer Fuse	Rs. 100	Payable with Energy Bill	Rs. 200	Payable with Energy Bill / Cash payment on receipt bill
7	Disconnection/ Reconnection				
	LT Disconnection (on consumer request)	Rs 200		Rs. 500	Payable in advance along with the Consumer request.
	HT Disconnection (on consumer request) Temporary or Permanent	Rs 1500		Rs. 2500	In case, the same consumer is disconnected within 12 months, 50% will be charged
	LT Reconnection	Rs. 200	Payable in advance along with the Consumer request.	Rs. 300	Payable in advance along with the Consumer request.
	HT Reconnection	Rs. 1500	In case, the same consumer is reconnected or disconnected	Rs. 2000	In case, the same consumer is reconnected or disconnected within 12
8	Replacement of meter card, if lost or damaged by Consumer	Rs. 100	Payable with Energy Bill	Rs. 200	Payable with Energy Bill/ Cash payment on receipt bill
9	Security Deposit	As per JSERC (Electricity Supply Code Regulations, 2015 as amended from time to time			



Sl. No.	Purpose	Existing rate FY 21-22		Proposed rate FY 24-25	
		Scale of Charges	Payment Realisation	Scale of Charges	Payment Realisation
10	Replacement of Burnt Meter	Cost of Meter	Payable with Energy Bill	Cost of Meter + Rs. 200	Payable with Energy Bill/ Cash payment on receipt bill
11	Transformer Rent ³				
	Upto 200 kVA	Rs. 5500/Month	Payable with Energy Bill	Rs. 6500/Month	Payable with Energy Bill/ Cash payment on receipt bill
	Above 200 kVA	Rs. 7500/Month	Payable with Energy Bill	Rs. 9000/Month	Payable with Energy Bill/ Cash payment on receipt bill

¹ First test & Inspection free of charge, but should any further test and inspection be necessitated by faults in the installation or by not compliance with the conditions of supply for each extra test or inspection.

² If the meter is found defective within the meaning of the Indian Electricity Rules 1956, no charge shall be levied. If it is proved to be correct within the permissible limits laid down in the Rules, the amount will be charged in the next energy bill.

³ Applicable for 6 month duration from the date of taking the transformer on rent, thereafter monthly escalation of 10% would be applicable.

4. Terms and Condition of Supply

- 4.1.1. The Petitioner is hereby submitting following terms and conditions of supply besides terms and conditions provided in the JSERC (Electricity Supply Code), Regulations, 2015, for kind perusal of the Hon'ble Commission.

Clause I: Penalty for exceeding Billing/ Contract Demand

- 4.1.2. In case the consumer's actual recorded demand exceeds 110% of the contract demand, then normal demand charge will be applicable up to 110% of contract demand. However, once the consumer surpasses the 110% threshold, then penalty shall be applicable @ 1.5 times of existing charges for the demand over and above the contract demand (i.e 100%) and NOT on the demand exceeding 110%.

- 4.1.3. Further, in case any consumer exceeds the Contract Demand on more than three occasions in a calendar year, the highest demand so recorded would be treated as the revised contract demand after giving timely notice to the consumer.

In case actual demand is higher than the contract demand for three continuous months, the maximum demand of the last three months shall be treated as the new contract demand for the purpose of billing of future months and the consumer shall have to get into a new agreement for the revised contract demand with the licensee within the period defined by the Licensee and communicated to the consumer, failing which the consumer will be charged @ 2 times of the demand charges as long as the consumer does not enter into the agreement.

- 4.1.4. Once the actual demand is recorded to be higher than contract demand for two continuous months, the licensee would serve notice to the consumer after the end of the second month for enhancement of the contract demand. The consumer would be liable to respond within 15 days of receipt of such notice and submit application for enhancement of contract demand to the licensee. The licensee would, within 15 days of receipt of response from the consumer, finalize the new agreement after making necessary changes at consumer's installations.

- 4.1.5. In case the consumer fails to respond within 15 days, the licensee would have the right to initiate enhancement of load as per the last recorded contract demand. While, in case the consumer provides an undertaking that the actual demand shall not exceed the contract

demand again for a period of at least six months from the last billing, the licensee shall continue to bill the consumer as per the existing contract demand and billing demand.

- 4.1.6. Provided that if the consumer fails to adhere to the undertaking and the actual demand exceeds the contract demand within the subsequent six months of the undertaking, the consumer shall have to pay a penalty of 2 times the normal tariff for a period of three consecutive months and the licensee shall, after serving 7 days' notice to the consumer, enhance the contract demand of the consumer as per the last recorded actual demand.

Clause II: Electricity Duty

- 4.1.7. The charges in this tariff schedule do not include charges on account of Electricity Duty/ Surcharge to the consumers under the State Electricity Duty Act, 1948 and the rules framed there under and as amended from time to time and any other Statutory levy which may take effect from time to time after making corrections for the loss in the distribution system.

Clause III: Delayed Payment Surcharge

- 4.1.8. The treatment of DPS as approved by the Hon'ble commission in its last tariff order of May 31, 2023 was very complex and the billing logic for the same was difficult to implement. The same was also highlighted in our review petition for FY21-22 for which the order was reserved by the commission. Hence, we propose to ease the treatment of DPS by the Commission. In case the electricity bills are not paid within the due date mentioned on the bill, delayed payment surcharges of 1.5% percent per month or part thereof on the total electricity bill (including Taxes and Duties) shall be levied on the bill amount. The due date for making payment of energy bills or other charges shall be fifteen days from the date of issuance of bill. In case, the licensee defaults in generating and delivering bills on timely basis, DPS will not be charged for the period of default by licensee.

Clause IV: Voltage Rebate

Voltage rebate will be applicable on demand and energy charges as per Clause 4.5 of JSERC (Electricity Supply Code) Regulations, 2015 as amended from time to time.

Clause V: Load Factor Rebate

- 4.1.9. The load factor rebate has put an additional burden to the petitioner that is already struggling with its finances. The current situation demands that the load factor rebate to

36

be withdrawn as the industry has bounced back to the pre COVID levels and do not require any additional support such as load factor rebate. Further, as the rebate is allowed on the total consumption and not on incremental consumption, it defeats the primary objective of incentivizing the consumers for increasing the consumption above the threshold.

- 4.1.10. Moreover, the Petitioner hereby proposes to remove the load factor rebate as under the two-part tariff regime, the fixed charges per unit are reduced for every improvement in load factor. This results in overall per unit reduction in cost of electricity to the consumer and results in double counting of benefits of higher consumption to the consumer, whereas the lower load factor on the other hand is not being penalized. The Load factor rebate had been introduced earlier in large and heavy consumers to curb the theft of electricity. But now licensees have installed high precision meters to monitor the trend and other parameters and as such it appears that there is no need to provide such incentive for increasing the energy consumption. It is further submitted that no such rebate is given to consumers in most of the other States in the country. Hence, it is prayed to the Hon'ble Commission to remove the load factor rebate for all consumer categories.

Clause VI: TOD Tariff

TOD tariff proposed shall be applicable as follows-

- Off Peak Hours: 10:00 PM to 06:00 AM: 85% of normal rate of energy charge.
- Normal Hours: 10:00 AM to 6:00 PM: 100% of normal rate of energy charge
- Peak Hours: 06:00 AM to 10:00 AM & 06:00 PM to 10:00 PM: 120% of normal rate of energy charge.

Clause VII: Prompt Payment Rebate and Rebate for Online Payment

- 4.1.11. Prompt Payment Rebate shall be allowed for payment of bills by the Consumers in accordance with Clause 10.76 of the JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020, as amended from time to time.
- 4.1.12. Further, a rebate of 0.5% shall be allowed on the billed amount for payment within the due date of the entire billed amount made either through online or any digital mode subject to a maximum ceiling rebate of Rs. 150 against the billed amount.

Clause VIII: Rebate for Advance Payment

27

- 4.1.13. A rebate of 1% of the energy charges shall be allowed on the billed amount in next cycle if a consumer pays in advance an amount that is 5 times more than the last billing assessment, paid against the assessment of the current bill. This will be in addition to the clause no 10.6 of JSERC (Supply code regulations) 2015 regarding advance payment of bills.

Clause IX: Rebate for Prepaid Metering

- 4.1.14. A rebate to prepaid meters at 3% of the Energy Charges for the respective Consumer Category.

Other Terms and Conditions Point of Supply

- 4.1.15. The Power supply shall normally be provided at a single point for the entire premises. In certain categories like coal mines power may be supplied at more than one point on request of consumer subject to technical feasibility. But in such cases metering and billing shall be done separately for each point.
- 4.1.16. In such cases, where a consumer is found consuming mixed load (i.e) at the same time using power for domestic and commercial purpose or for any other purpose that comes under different tariff category, will be charged at the higher tariff category applicable for the energy consumed.

Dishonored Cheques

- 4.1.17. In the event of dishonoured cheque for payment against a particular bill, the Licensee shall charge a minimum of Rs. 300 or 0.5% of the billed amount, whichever is higher. The DPS shall be levied extra as per the applicable terms and conditions of DPS for the respective category.

Sale of energy

- 4.1.18. No consumer shall be allowed to sell the electricity purchased from the Licensee to any other person/ entity.

Release of new connections

- 4.1.19. No new connections shall be provided without appropriate meter.

Conversion factors

- 4.1.20. The following shall be the conversion factors, as and where applicable: (PF=0.85):

34

- 1 Kilowatt (KW) = 1.176 Kilovolt ampere (kVA)
1 Kilowatt (KW) = 1 / 0.746 Horse Power (HP)
1 Horse Power (1 HP) = 0.878 Kilovolt ampere (KVA)

Disputed Bills

- 4.1.21. In case of disputed bill, the consumer would be liable to pay their dues based on last 3 month's consumption pattern which will be subsequently adjusted if found erroneous against future bills.

Stopped/ defective meters

- 4.1.22. In case of existing consumers with previous consumption pattern, the provisional average bill shall be issued based on average of previous three months consumption. In case of meter being out of order from the period before which no pattern of consumption is available, the provisional average bill shall be issued on the basis of sanctioned/ contract load on following load factor applicable to respective categories, as shown below:

Table 4-1: Proposed Load Factor

Consumer Category	Load Factor
Domestic	0.15
Non-Domestic	0.20
LTIS	0.20
DS-HT	0.15
IAS	0.15
Streetlight	0.50
HT Consumers- Below 132 kV	0.30
HT Consumers – 132 kV & Above	0.50

The Consumer should furnish usage details of their continuous load/shift wise load/otherwise.

(Arvind Kumar)
Executive Director (C&R)

1. Restatement Relating to Earlier Period Transactions (FY 2020-21 and FY 2021-22)

1.1 Background

During the FY 2022-23, JBVNL recorded the following key transactions, which resulted in restatement of earlier period balances per the provisions of IND AS 8 (Indian Accounting Standards):

- i. Accounting of transactions relating employee benefits as per Actuarial Valuation report for the period from F.Y. 2018-19 to F.Y. 2021-22.
- ii. Corrections of depreciation rates as per the JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020 vide notification no. 570 dated 12th November-2020 which was effective from 1st April 2021.
- iii. Reclassification of Meter as an asset as per the JSERC guidelines and consequent corrections in Plant & Machinery and Lines, Cables & Network and further correction in depreciation charged during relevant period.
- iv. Accounting of corrections as per the CAG observations for the F.Y. 2020-21 and 2021-22.
- v. Other corrections as per company's reconciliation of old items.

The aforesaid reinstatement has been carried out in the following manner:

- a. Restating the opening balances of Assets, Liabilities, and equity as on 1st April 2021 for items, pertaining to periods earlier or up to 31st March 2021; and
- b. Restating the comparative amounts for the period of the F.Y. 2021-22.

The summary of changes is provided in the **Annexure -I** attached with the document.

Accordingly, the Aggregate Revenue Requirement for FY 2020-21 has been recalculated based on the restated account as per the Electricity Act, 2003 and as per the provisions of the Jharkhand State Electricity Regulatory Commission (JSERC) (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2015.

And, the Aggregate Revenue Requirement for FY 2021-22 has been recalculated based on the restated account as per the Electricity Act, 2003 and as per the provisions of the Jharkhand State Electricity Regulatory Commission (JSERC) (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020.

It is to be submitted here that, True Up Petition for FY 2020-21 and FY 2021-22 has already been filed before the Hon'ble Commission in November 2021 and November 2022 respectively. Thus, the **revised ARR for FY 2020-21 and FY 2021-22 based on restated audited account** is being submitted as prior period expenditure for FY 2020-21 and FY 2021-22 before the Hon'ble

Commission as an additional submission of petition for approval of "True-up for FY 2022-23, Annual Performance Review (APR) for FY 2023-24 and Approval of Aggregate Revenue Requirement for FY 2024-25" already filed before the Hon'ble Commission on 29.11.23

1.2 Revised ARR for FY 2020-21 based on the restated account

1.2.1 Operation and Maintenance Expenses –

Operation and Maintenance Expenses (O&M expenses) comprises of Employee Expenses, Repair & Maintenance Expenses and Administrative & General Expenses.

Employee Expense - Rs. 0.3022 Cr. has been added in Salaries and Incentives.

Repair & Maintenance Expense – Rs. 0.1251 Cr. has been added in Repair & Maintenance Expense.

Terminal Liability – Rs. 25.40 Cr. has been reduced from Pension Funds. Rs. 51.30 Cr. has been claimed as Earned Leave Encashment Expenses in FY 2020-21. Rs. 7.85 Cr. has been added as Gratuity and Fund Contributions. Rs. 161.4336 Cr. has been taken as OCI (Other Comprehensive Income) expenses on actuarial basis in FY 2020-21. Thus, making a total impact of Rs. 195.19 Cr. in Terminal Liability in FY 2020-21.

Particulars	O&M Expenses as filed in True-Up for FY 2020-21 (A) (Rs. Cr.)	Reassessment of O&M for FY 2020-21 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Operations and Maintenance Expenses	504.37	699.98	195.61
<i>Employee Expense</i>	212.07	212.37	0.30
<i>Administration & General Expense</i>	95.99	95.99	-
<i>Repair & Maintenance Expense</i>	137.24	137.37	0.13
<i>Terminal Liability</i>	59.06	254.25	195.19

There is an overall increase of Rs. 195.61 Cr. in O&M expenses in FY 2020-21. Thus, Hon'ble Commission is requested to allow Rs. 699.98 Cr. instead of Rs. 504.37 Cr. as Operation & Maintenance expenditure in FY 2020-21 as shown in table above.

1.2.2 Depreciation –

The Petitioner has applied the depreciation rate, as per restated audited annual accounts of FY 2020-21 in line with JSERC Distribution Tariff Regulation, 2015, on the average GFA and accordingly calculations are made to arrive at the total depreciation being claimed as –

Depreciation	FY 2020-21
Opening GFA (Less CCG) (Rs. Cr.)	8,689.92
Closing GFA (Less CCG) (Rs. Cr.)	11,298.53
Average GFA excluding Consumer Contributions and Grants (Rs. Cr.)	9,994.23
Depreciation Rate (%)	5.94%
Depreciation Cost (Rs. Cr.)	593.66

Particulars	Depreciation as filed in True-Up for FY 2020-21 (A) (Rs. Cr.)	Reassessment of Depreciation for FY 2020-21 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Depreciation	577.95	593.66	15.71

There is an increase in Depreciation in FY 2020-21 as per restated accounts. Accumulated Depreciation as on 31st March 2021 has been restated from Rs. 4654.4579 Cr. to Rs. 4501.53 Cr. as mentioned in Note 3A as restated Audited Account of FY 2020-21.

Addition in Government Grant has been restated for FY 2020-21. The restated account is Rs. - 119.38 Cr. during FY 2020-21 as shown in Note 17 in the Audited Account of FY 2022-23. Total CWIP at the end of FY 2020-21 has been restated from Rs. 5194.0155 Cr. to Rs. 4675.8391 Cr.

Thus, the Hon'ble Commission is requested to allow Depreciation Cost of Rs. 593.66 Cr. instead of Rs. 577.95 Cr. in FY 2020-21.

1.2.3 Interest on Long Term Loan –

Accordingly, Interest on long term load has been recalculated as shown in table below -

Int on Long Term L	FY 2020-21 (in Rs Cr)
Opening Balance	3,778.20
Addition	1,710.84
Repayment	593.66
Closing Balance	4,895.38
Average Loan	4,336.79

Int on Long Term L	FY 2020-21 (in Rs Cr)
Rate of Interest	10.15%
Interest Cost	440.18

Particulars	IOL as filed in True-Up for FY 2020-21 (A) (Rs. Cr.)	Reassessment of IOL for FY 2020-21 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Interest on Long Term Loan	426.3	440.18	13.88

IOL has been increased to the tune of Rs. 13.88 Cr. in FY 2020-21 due to reassessment. Thus, Hon'ble Commission is requested to allow the interest on long term loan of Rs. 440.18 Cr. instead of Rs. 426.3 Cr in FY 2020-21.

1.2.4 Interest on Working Capital Loan (IOWL) –

Accordingly, Interest on Working Capital Loan has been reassessed as shown in table below -

IOWL	FY 2020-21 (In Rs Cr)
1 month O&M	57.94
Maintenance Spares (1% of GFA)	86.90
2 months Receivables	1,373.83
Less: 1 month cost of power purchase	479.80
Less: Security Deposit from Customers	655.54
Total Working Capital requirement	382.07
Interest rate on WC	11.65%
Interest on Working Capital	44.51

Particulars	IOWL as filed in True-Up for FY 2020-21 (A) (Rs. Cr.)	Reassessment of IOWL for FY 2020-21 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Interest on Working Capital	24.15	44.51	20.36

Cumulative impact on Interest on Working Capital is increased to the tune of Rs. of 20.36 Cr. in FY 2020-21. Thus, the Hon'ble Commission is requested to allow Rs. 44.51 Cr. IOWL in FY 2020-21 as mentioned in table above.

1.2.5 Return on Equity Capital –

The impact on return on equity has been reassessed for FY 2020-21 based on the restated account for FY 2020-21 and in accordance with the provisions of the Jharkhand State Electricity Regulatory Commission (JSERC) (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2015 as shown in table below -

RoE	FY 2020-21
Opening Balance	2,569.28
Addition	820.28
Closing Balance	3,389.56
Average Equity	2,979.42
Rate of Equity	15.50%
Return On Equity	461.81

Particulars	ROE as filed in True-Up for FY 2020-21 (A) (Rs. Cr.)	Reassessment of ROE for FY 2020-21 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
ROE	452.43	461.81	9.38

There is increase in ROE of Rs. 9.38 Cr. in FY 2020-21. Hence, Hon'ble Commission is requested to consider Rs. 461.81 Cr. as ROE in FY 2020-21 as shown in table above.

1.2.6 Revised Average Revenue Requirement for FY 2020-21 -

Considering the component wise impact in FY 2020-21 there is increase of Rs. 254.94 Cr. in FY 2020-21 as already filed in True Up petition of FY 2020-21 in November 2021. Total expenditure for FY 2020-21 has been increased from Rs. 8270 Cr. to Rs. 8514.02 Cr. in FY 2020-21 as shown in table below -

Particulars	True-Up filed for FY 2020-21 (A) (Rs Cr)	Reassessment of ARR for FY 2020-21 based on restated annual account (B) (Rs Cr)	Difference (B-A) (Rs Cr)
Total Power Purchase Expense	6231.79	6231.79	-
Power Purchase Expense	5757.58	5757.58	

Particulars	True-Up filed for FY 2020- 21 (A) (Rs Cr)	Reassessment of ARR for FY 2020-21 based on restated annual account (B) (Rs Cr)	Difference (B-A) (Rs Cr)
<i>Intrastate transmission charges</i>	219.75	219.75	
<i>Interstate transmission Charge</i>	254.46	254.46	
Operations and Maintenance Expenses	504.37	699.99	195.62
<i>Employee Expense</i>	212.07	212.37	0.30
<i>Administration & General Expense</i>	95.99	95.99	-
<i>Repair & Maintenance Expense</i>	137.24	137.37	0.13
<i>Terminal Liability</i>	59.06	254.25	195.19
Depreciation	577.95	593.66	15.71
Interest on Long Term Loan	426.3	440.18	13.88
Interest on Working Capital Loan	24.15	44.51	20.36
Interest on Consumer Security Deposit	53.44	53.89	0.45
Bank/ Finance Charges	0.05	0.05	-
Return on Equity Capital	452.43	461.81	9.38
Total Expenditure	8270.48	8525.87	255.40
<i>Less: Non-Tariff Income</i>	271.02	271.02	-
Net: Aggregate Revenue Requirement	7999.45	8254.85	255.40
<i>Total Revenue</i>	4624.58	4624.58	
Net Gap/(Surplus)	3374.88	3630.27	255.40

Thus, the Hon'ble Commission is requested to consider an excess amount of Rs. 255.40 Cr. in the ARR of FY 2020-21.

1.3 Revised ARR for FY 2021-22 based on the restated account

1.3.1 Power Purchase (PP) Expense –

During FY 2021-22, Power purchase cost from Hydro Power Plant (SRHPS) of Jharkhand Urja Utpadan Nigam Limited has not been considered while finalizing the Annual Audited Account for FY 2021-22. Thus, the impact of power purchased from Sikidri Hydro Power Plant of Jharkhand Urja Utpadan Nigam Limited has been considered while finalizing the Audited Account for FY 2022-23 and accordingly, power purchase cost for FY 2021-22 has been restated.

Thus, net Power Purchase cost for FY 2021-22 has been restated from Rs. 6430.83 Cr. to 6474.59 Cr. as shown in Note 26 of Annual Account of FY 2022-23.

Particulars	PP as filed in True-Up for FY 2021-22 (A) (Rs. Cr.)	Reassessment of PP for FY 2021-22 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Power Purchase cost including interstate and intra state transmission charges	6430.83	6474.59	43.76

Hence Hon'ble Commission is requested to consider Rs. 6474.59 Cr. as Power Purchase cost in FY 2021-22 as shown in table above.

1.3.2 Operation and Maintenance Expenses –

Repair and Maintenance Expense has been increased from Rs. 231.05 Cr. to Rs. 236.74 Cr. in FY 2021-22.

Terminal Liability has been increased from Rs. 31.19 Cr. to Rs. 43.77 Cr. in FY 2021-22. Impact of Other Comprehensive Income of Rs. (6.434) Cr. has been considered in terminal liability of FY 2021-22.

Particulars	O&M expenses as filed in True-Up for FY 2021-22 (A) (Rs. Cr.)	Reassessment of O&M expenses for FY 2021-22 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Operations and Maintenance Expenses	585.77	604.74	18.97
<i>Employee Expense</i>	238.74	237.66	-1.08
<i>Administration & General Expense</i>	84.79	86.57	1.78
<i>Repair & Maintenance Expense</i>	231.05	236.74	5.69
<i>Terminal Liability</i>	31.19	43.77	12.58

Thus, there is total increase of Rs. 12.58 Cr. in the operation & maintenance expenditure expenses in FY 2021-22. Hence, the Hon'ble Commission is requested to allow excess amount of Rs. 12.58 Cr. in O&M expense in FY 2021-22 as shown in table below.

1.3.3 Depreciation –

The Petitioner has applied the depreciation rate, as per restated audited annual accounts of FY 2021-22 in line with JSERC Distribution Tariff Regulation, 2020, on the average GFA and accordingly calculations are made to arrive at the total depreciation being claimed as -

Depreciation	FY 2021-22
Opening GFA (Less CCG) (Rs. Cr.)	9,899.59
Closing GFA (Less CCG) (Rs. Cr.)	11,204.30
Average GFA excluding Consumer Contributions and Grants (Rs. Cr.)	10,551.95
Depreciation Rate	4.82%
Depreciation Cost (Rs. Cr.)	509.07

Balance of Accumulated Depreciation on 31st March 2022 has been restated from Rs. 5851.86 Cr. to Rs. 5353.09 Cr.

Capital Works in Progress has been restated from Rs. 1942.50 Cr. to Rs. 1800.59 Cr. in FY 2021-22.

Particulars	Depreciation as filed in True-Up for FY 2021-22 (A) (Rs. Cr.)	Reassessment of Depreciation for FY 2021-22 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
Depreciation	783.93	509.07	-274.86

Thus, there is a decrease in depreciation assessment. The total impact on depreciation in FY 2021-22 is Rs. (-274.86 Cr.) from claimed amount in filed True Up of FY 2021-22. Hence, the Hon'ble Commission is requested to consider the decrease in depreciation cost of Rs. 274.86 Cr. in FY 2021-22.

1.3.4 Interest on Long term Loan –

The normative Interest on Long Term Loan has been reassessed. The restated normative IOL has arrived at Rs. 437.07 Cr as shown in table below –

Int on Long Term Loan	FY 2021-22 (Rs Cr)
Opening Balance	4,895.38

Addition	431.06
Repayment	509.07
Closing Balance	4,817.37
Average Loan	4,856.37
Rate of Interest	9.00%
Interest Cost	437.07

Particulars	IOL as filed in True-Up for FY 2021-22 (A) (Rs. Cr.)	Reassessment of IOL for FY 2021-22 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
IOL	408.30	437.07	28.77

There is cumulative increase in IOL of Rs. 28.77 Cr. in FY 2021-22. Hence, the Hon'ble Commission is requested to consider Rs. 437.07 Cr. as IOL in FY 2021-22 as shown in table above.

1.3.5 Return on Equity (ROE) –

The impact on return on equity has been reassessed for FY 2020-21 based on the restated account for FY 2021-22 and in accordance with the provisions of the Jharkhand State Electricity Regulatory Commission (JSERC) (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020 as shown in table below -

RoE	True-Up FY 2021-22
Opening Balance	3,389.56
Addition	(28.27)
Closing Balance	3,361.29
Average Equity	3,375.42
Rate of Equity	14.50%
Return On Equity	489.44

Particulars	ROE as filed in True-Up for FY 2021-22 (A) (Rs. Cr.)	Reassessment of ROE for FY 2021-22 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
ROE	476.15	489.44	13.28

There is cumulative increase in ROE in FY 2021-22 of Rs. 13.28 Cr. as shown in table above. Hence, the Hon'ble Commission is requested to consider Rs. 489.44 Cr. as ROE for FY 2021-22.

1.3.6 Non-Tariff Income –

The Non-Tariff Income (Other Income) of JBVNL for FY 2021-22 has been recalculated based on the audited annual accounts for FY 2021-22. However, while computing the non-Tariff income (Other Income) of JBVNL for FY 2021-22, the financing cost for corresponding receivables has to be reduced as accrued DPS is considered as NTI.

As per Clause 10.13 of Electricity Supply Code Regulation, 2015 of JSERC, it is stated that, “In case the consumers do not pay the bill by the due date mentioned in the bills, delay payment surcharge for delayed payment of bills shall apply as per tariff orders issued from time to time.”

As per Tariff Order 2020; “The Delayed Payment Surcharge will be at the rate of 1.00% per month chargeable proportionately.”

In accordance with the JSERC’s Electricity Supply Code 2015 and Tariff Order of 2020, JBVNL was charging delayed payment surcharge as per rate of 1% per month till May 2023. Thus, on reassessment of non-tariff income arrives at Rs. 199.44 Cr. for FY 2021-22 as shown in table below –

Non-Tariff Income	FY 2021-22
Interest Income from Investment in Fixed Deposits	9.46
D.P.S from Consumer	448.48
Interest from Bank (Other than FD)	5.09
Supervision Charges	3.28
Miscellaneous Receipt	3.64
Transformer Rent	20.34
Wheeling Charges / Fuel surcharge	101.36
Miscellaneous Charges from Consumers	0.25
Total (A)	591.90
Interest rate for Receivables financing	10.50%
Corresponding Receivables against DPS	3,737.36
Less: Interest on Receivables against DPS (B)	392.42
Net NTI to be considered (A-B)	199.48

Particulars	NTI as filed in True-Up for FY 2021-22 (A) (Rs. Cr.)	Reassessment of NTI for FY 2021-22 based on restated annual account (B) (Rs. Cr.)	Difference (B-A) (Rs. Cr.)
NTI	350.58	199.48	-151.10

There is decrease of Rs. 151.10 Cr. in total non-tariff income for FY 2021-22. Thus, Hon’ble Commission is requested to consider Rs. 199.48 Cr. as non-tariff income for FY 2021-22 as shown in table above.

1.3.7 Aggregate Revenue Requirement for FY 2021-22-

Cumulative Aggregate Revenue Requirement in FY 2021-22 as per the restated account is Rs. 8391.43 Cr. as shown in table below -

Particulars	True-Up filed for FY 2021-22 (C)	Reassessment of ARR for FY 2021-22 based on restated annual account (D)	Difference (D-C)
Total Power Purchase Expense	6430.83	6474.59	43.76
<i>Power Purchase Expense</i>	5869.10	5904.44	
<i>Intrastate transmission charges</i>	236.27	570.15	
<i>Interstate transmission Charge</i>	325.46	0.00	
Operations and Maintenance Expenses	585.77	604.74	18.97
<i>Employee Expense</i>	238.74	237.66	-1.08
<i>Administration & General Expense</i>	84.79	86.57	1.78
<i>Repair & Maintenance Expense</i>	231.05	236.74	5.69
<i>Terminal Liability</i>	31.19	43.77	12.58
Depreciation	783.93	509.07	-274.86
Interest on Long Term Loan	408.30	437.07	28.77
Interest on Working Capital Loan	34.08	33.98	-0.10
Interest on Consumer Security Deposit	41.46	41.53	0.06
Bank/ Finance Charges	0.49	0.49	0.00
Return on Equity Capital	476.15	489.44	13.28
Total Expenditure	8761.02	8590.91	-170.11
<i>Less: Non-Tariff Income</i>	350.58	199.48	-151.10
Net: Aggregate Revenue Requirement	8410.44	8391.43	-19.01
<i>Total Revenue</i>	5718.96	5718.96	
Net Gap/(Surplus)	2691.48	2672.47	-19.01

1.4 Prayer to the Hon'ble Commission-

Considering the impact of restated account for FY 2020-21 and FY 2021-22, the cumulative increase in ARR of JBVNL is Rs. 236.39 Cr as shown in table below -

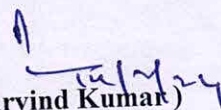
Particulars	Rs. Cr.
Increase in ARR for FY 2020-21 as per restated Account (A)	255.40
Increase in ARR for FY 2021-22 as per restated Account (B)	-19.01
Cumulative increase in ARR of FY 2021-22 and FY 2021-22 as per restated account (A+B)	236.39

62

Hence, JBVNL prays the Hon'ble Commission to allow Rs. 236.39 Cr. as prior period expenditure along with the True Up of FY 2022-23 submitted by JBVNL. The Aggregate Revenue Requirement for FY 2022-23 after truing up and considering the prior period expenditure for FY 2020-21 and FY 2021-22 as per restated account is summarized in the Table below -

Particulars	FY 2022-23
	True-Up FY 2022-23 (Rs. Cr.)
Total Power Purchase Expense	7691.03
Power Purchase Expense	7124.95
Intrastate transmission charges	257.12
Interstate transmission Charge	308.96
Operations and Maintenance Expenses	850.92
Employee Expense	252.14
Administration & General Expense	114.12
Repair & Maintenance Expense	266.55
Terminal Liability	218.11
Depreciation	509.68
Interest on Long Term Loan	420.69
Interest on Working Capital Loan	45.33
Interest on Consumer Security Deposit	58.98
Bank/ Finance Charges	11.00
Return on Equity Capital	494.38
Prior Period Expenditure of FY 2020-21 and FY 2021-22	236.39
Total Expenditure	10318.40
Less: Non-Tariff Income	275.77
Annual Revenue Requirement	10042.63
Total Revenue	5809.41
Net Total Gap/(Surplus)	4233.22

It is prayed to the Hon'ble Commission that the above ARR and Revenue gap may be allowed, and impact shall be passed on to JBVNL's consumers, while approving the tariff for FY 2023-24 & FY 2024-25.


 (Arvind Kumar)
 Executive Director (C&R)