



TENUGHAT VIDYUT NIGAM LIMITED

A GOVT. OF JHARKHAND UNDERTAKING)
HINOO, DORANDA, RANCHI-834002, JHARKHAND
CIN U40501JH1987SGC013153

Letter No. 1184/22-23

Date 11/01/2023

PUBLIC NOTICE

Objections / Comments invited from various stakeholders on the Petition submitted by Tenughat Vidyut Nigam Limited (TVNL) for Approval of Business Plan & ARR for the MYT period from FY 2021-22 to FY 2025-26.

Tenughat Vidyut Nigam Limited (hereinafter referred to as TVNL) is a power generating company incorporated on 26th Nov 1987 under Indian Company's Act, 1956. With the creation of Jharkhand State on 15th November 2000 from the erstwhile Bihar State, the TVNL became an undertaking of Government of Jharkhand.

TVNL owns and operates an installed power generation capacity of 420 MW with two units of 210 MW each at Tenughat Thermal Power Station located at Lalpania at the banks of Tenughat reservoir in Bokaro district with its head office at Ranchi. The units were under commercial operation as detailed below:

- Unit I - September 1996
- Unit II - September 1997

In accordance with the provisions of Section 62 of the Electricity Act, 2003 and the provisions of the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. TVNL has filed Petitions for approval Business Plan & ARR for the MYT period from FY 2021-22 to FY 2025-26.

The Commission has scrutinized and accepted the petition and has directed TVNL to publish a public notice for inviting objections/comments from various stakeholders.

Brief overview of the Petitions

Business Plan and MYT Petition for Third Control Period from FY 2021-22 to FY 2025-26

Details of Capital Expenditure vis-à-vis capitalization plan:

Table 1: Revised Proposed Capital Expenditure plan (in Rs Cr) from FY 2021-22 to FY 2025-26

Capital Expenditure	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Control & Instrumentation (C&I)	27.14	1.48	-	-	-
Information Technology (IT)	0.37	4.50	-	-	-
Electrical Maintenance (E.M-I)	15.62	3.12	-	-	-
Electrical Maintenance (E.M-II)	4.48	6.18	-	-	-
Turbine Maintenance (TMD)	4.86	21.26	-	-	-
Boiler Maintenance (BMD)	4.11	6.25	-	-	-
Coal Handling Plant (CHP-I)	5.25	1.80	-	-	-
Coal Handling Plant (CHP-II)	-	0.35	-	-	-
Operation (OPN)	-	0.28	-	-	-
Civil	4.41	2.20	-	-	-
Environmental Management Group (EMG)	29.65	20.10	67.70	50.10	68.10
Total	95.89	67.50	67.70	50.10	68.10

Table 2: Revised Proposed Additional Capitalization & GFA (in Rs Cr) for the control period

Particulars	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Opening CWIP	63.60	78.43	79.58	101.47	102.19
Capex added during the year	95.89	67.50	67.70	50.10	68.10
Capex converted to GFA	81.07	66.35	45.81	49.38	106.69
Closing CWIP	78.43	79.58	101.47	102.19	63.60
Opening GFA	1,646.83	1,727.89	1,794.24	1,840.05	1,889.43
GFA conversion from Capitalization	81.07	66.35	45.81	49.38	106.69
Closing GFA	1,727.89	1,794.24	1,840.05	1,889.43	1,996.12
Debt (70%)	56.75	46.45	32.07	34.57	74.68
Equity (30%)	24.32	19.91	13.74	14.81	32.01

Revised ARR for third control period from FY 2021-22 to FY 2025-26:

Table 3: Revised Operational performance parameters and Annual fixed cost for the control period

Particulars	UoM	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26
Gross Generation	MUs	3,127.32	3,127.32	3,127.32	3,127.32	3,127.32
Aux Power Consumption	%	9.50%	9.50%	9.50%	9.50%	9.50%
Availability	%	85%	85%	85%	85%	85%
PLF	%	85%	85%	85%	85%	85%
Net Generation	MUs	2,830.22	2,830.22	2,830.22	2,830.22	2,830.22
Gross calorific value of primary fuel	Kcal/kg	3,657.08	3,657.08	3,657.08	3,657.08	3,657.08
Station Heat Rate	Kcal/kWh	2,503.00	2,503.00	2,503.00	2,503.00	2,503.00
Gross calorific value of secondary fuel	Kcal/Litre	9,359.00	9,359.00	9,359.00	9,359.00	9,359.00
Secondary Oil Consumption	ml/kWh	1	1	1	1	1
Transit Loss	%	0.8%	0.8%	0.8%	0.8%	0.8%
Details of Annual Revenue Requirement						
O&M Expenses	Rs. Cr.	200.96	210.31	219.39	227.99	237.14
Depreciation	Rs. Cr.	9.16	17.26	24.73	30.62	38.02
Interest on normative loan	Rs. Cr.	21.56	25.01	26.66	27.17	28.99
Interest cost on long term capital loan	Rs. Cr.	103.21	103.21	103.21	103.21	103.21
Return on Equity	Rs. Cr.	30.00	33.10	35.45	37.45	40.73
Interest on Working Capital Loans	Rs. Cr.	37.18	38.24	39.24	39.80	40.46
Water Charges	Rs. Cr.	12.00	12.00	12.00	12.00	12.00
Special Allowance	Rs. Cr.	0.00	19.95	39.90	39.80	40.46
Less: Non-Tariff income	Rs. Cr.	(18.46)	(18.58)	(18.71)	(18.83)	(18.96)
Total Annual Fixed Charges	Rs. Cr.	395.61	440.51	481.88	499.30	521.50
Energy Charge Rate	Rs/kWh	2.61	2.61	2.61	2.61	2.61

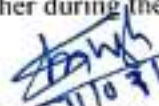
Comments/Suggestions from stakeholders

1. The Commission has directed Tenughat Vidyut Nigam Limited to invite comments/suggestions from the public on the above Petition through this Notice.
2. The copies of the above petitions can be obtained on written request from the offices of Tenughat Vidyut Nigam Limited on payment of Rs. 100/- (Rupees one hundred only) payable by Cash/ Demand Draft/ Pay in favour of "Tenughat Vidyut Nigam Limited" payable at Ranchi.

Complete Address for obtaining Petition:

Shri S. R. Singh
Electrical Superintending Engineer (Reg. & IT)
Tenughat Vidyut Nigam Limited (TVNL)
Hinoo, Doranda, Ranchi - 834 002
Telephone No. 0651-2253818
Email id: sr.singh@tvnl.in nitish.k@tvnl.in

3. The copy of the petitions can also be downloaded from the website of TVNL www.tvnl.in and from the website of the Commission at www.jserc.org/tvnl.aspx
4. Suggestions/comments may be sent to the office of TVNL at the address mentioned above by **02.02.2023**. A copy of the suggestions/ comments may also be sent to Secretary, Jharkhand State Electricity Regulatory Commission at the address given below:
The Secretary
Jharkhand Electricity Regulatory Commission
1st Floor, Jharkhand State Housing Board (Old Head Quarter),
Harmu Housing Colony Ranchi-834002
Telephone: 0651-2285902, Fax: 0651-2285903
Email id – info@jserc.org
5. The objections can be submitted in English or in Hindi. The sender should clearly specify his/ her full name, postal address, e-mail id and telephone number. It should also be indicated if the objection is being filed on behalf of any organization, consumer or consumer group. It is to be noted that if the sender wants to be heard in person, the opportunity would be given by the Commission at the Public Hearing, for which date and place shall be announced by the Commission separately.
6. Tenughat Vidyut Nigam Limited shall reply to each of the objections/comments/ suggestions received within seven days of the receipt of the same but not later than **02.02.2023** for all the objections and comments/suggestions received till **02.02.2023**. Stakeholders can submit their rejoinders on replies provided by Tenughat Vidyut Nigam Limited either during the public hearing or latest by **02.02.2023**.


11/03/2023
(S. R. Singh)

Electrical Superintending Engineer
Tenughat Vidyut Nigam Limited, Ranchi

