



TENUGHAT VIDYUT NIGAM LIMITED

(A GOVT. OF JHARKHAND UNDERTAKING)
HINOO, DORANDA, RANCHI-834002, JHARKHAND
CIN U40101JH1987SGC013153

Letter No.:378/24-25

Date:12.07.2024

Tenughat Vidyut Nigam Limited (TVNL) - True-up for FY 2016-17 to FY 2020-21

PUBLIC NOTICE

Objections / Comments invited from various stakeholders on the Petitions for the approval of True-up for FY 2016-17 to FY 2020-21 filed by Tenughat Vidyut Nigam Limited (TVNL)

Tenughat Vidyut Nigam Limited is a power-generating company incorporated on 26th Nov 1987 under the 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 the 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:

- a) Unit I - September 1996
- b) 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, 2015, TVNL has filed Petitions for approval of True-up for the second control period i.e. FY 2016-17 to FY 2020-21.

Key highlights of the Petition are given below:

True-up for FY 2016-17 to FY 2020-21

a) Summary of Operational Parameters and Energy Charge Rate:

1.1 Summary of Operational Parameters and Energy Charge Rate as submitted by Petitioner for FY 2016-17 to FY 2020-21 has been tabulated below:

Table 1: Summary of Operational Parameters of FY 2016-17 to FY 2020-21

Particular	FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21	
	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition
Capacity (MW)	420	420	420	420	420	420	420	420	420	420
PAF (%)	85%	48.38%	85%	65.04%	85%	53.05%	85%	69.12%	85%	69.66%
PLF (%)	85%	38.62%	85%	52.60%	85%	45.85%	85%	65.65%	85%	60.82%
Gross Generation (MU)	3127	1421	3127	1935	3127	1687	3127	2422	3127	2244
Auxiliary Consumption (%)	9.50%	13.67%	9.50%	13.08%	9.50%	12.12%	9.50%	11.94%	9.50%	11.39%
Net Generation (MU)	2830.2	1226.7	2830.2	1682.1	2830.2	1482.5	2838.0	2132.8	2830.2	1982.82
Station Heat Rate (kcal/kWh)	3043.0	2795.4	2908.0	2691.2	2773.0	2709.2	2638.0	2609.7	2503.0	2696.2
Specific Oil Consumption (ml/kWh)	1.00	4.21	1.00	2.01	1.00	1.80	1.00	1.06	1.00	1.04
GCV of Primary Fuel (kcal/kg)	3615.2	3643.0	3615.2	3654.6	3615.2	3684.7	3615.2	3681.5	3615.2	3774.9
Transit loss (%)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Total Primary Fuel Consumed (Million MT)	2.63	1.08	2.51	1.42	2.40	1.24	2.28	1.71	2.16	1.60
Total Oil Consumed (KL)	3127.3	5976.3	3127.3	3884.1	3127.3	3039.8	3127.3	2560.1	3127.3	2331.1
Rate of Primary Fuel (Rs./MT)	2458.2	2542.8	2458.2	2718.1	2458.2	3170.1	2458.2	3370.4	2458.2	3346.1
Rate of Secondary Fuel (Rs/KL)	60,000	41,428	60,000	44,626	60,000	54,832	60,000	53,759	60,000	39,515
Cost of Primary Fuel (Rs. Cr)	646.37	273.89	617.61	385.42	588.84	391.52	561.61	577.63	531.32	535.40
Cost of Secondary Fuel (Rs. Cr)	18.71	24.76	18.71	17.33	18.71	16.67	18.76	13.76	18.76	9.21
Energy Charge Rate (Rs/kWh)	2.32	2.23	2.22	2.29	2.12	2.64	2.02	2.71	1.92	2.69

b) Summary of Fixed Cost

1.2 Summary of fixed cost as submitted by Petitioner for FY 2016-17 to FY 2020-21 has been tabulated below:

Table 2: Summary of Annual Fixed Cost as submitted by Petitioner for FY 2016-17 to FY 2020-21 (Rs. Cr)

Particular	FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21	
	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition
O&M Expenses	143.57	199.04	151.85	198.72	160.67	168.05	170.03	229.32	179.99	186.65
Employee Exp	68.63	92.73	72.95	68.70	77.55	64.03	82.43	135.68	87.62	92.25
A&G Exp	17.13	20.03	18.21	20.06	19.36	20.50	20.58	22.36	21.88	33.27
R&M Exp	45.81	86.28	48.69	109.96	51.76	83.52	55.02	71.28	58.49	61.13
Water Charges	12.00	0.00	12.00	0.00	12.00	0.00	12.00	0.00	12.00	0.00
Depreciation	26.01	17.65	26.01	16.37	26.01	24.83	26.01	9.82	26.01	9.50
Interest on Loans	35.83	103.20	32.45	103.22	29.07	101.10	25.69	103.22	22.31	103.22

Particular	FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21	
	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition
Return on Equity	28.62	33.20	28.62	34.81	28.62	35.17	28.62	35.29	28.62	35.41
Interest on Working Capital	33.72	19.65	33.00	23.12	32.31	21.40	31.68	31.03	31.01	25.65
Total Fixed Cost	267.75	372.74	271.93	376.24	276.68	350.55	282.03	408.68	287.95	360.43
Non-Tariff Income	34.29	33.49	34.29	35.94	34.29	36.61	34.29	42.51	34.29	36.92
Annual Fixed Charges	233.46	339.25	237.64	340.29	242.39	313.94	247.74	366.16	253.66	323.51

c) Summary of ARR and Gap/(Surplus) for the year

1.3 Summary of ARR and Gap/(Surplus) as submitted by Petitioner for FY 2016-17 to FY 2020-21 has been tabulated below:

Table 3: Summary of ARR and Gap/(Surplus) for FY 2016-17 to FY 2020-21 (Rs. Cr)

Particular	FY 2016-17		FY 2017-18		FY 2018-19		FY 2019-20		FY 2020-21	
	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition	MYT	Petition
Annual Fixed Charges	233.46	339.25	237.64	340.29	242.39	313.94	247.74	366.17	253.66	323.51
Total Energy Charges	-	273.80	-	385.40	-	391.50	-	577.60	-	535.40
Net ARR	-	613.05	-	725.70	-	705.44	-	943.77	-	858.91
Total Billed Amount	-	423.60	-	566.38	-	596.08	-	779.28	-	698.73
Gap/(Surplus)	-	189.5	-	159.3	-	109.4	-	164.5	-	160.2

d) Summary of Gap/(Surplus) for the Second Control Period:

1.4 Summary of Cumulative Gap/(Surplus) as submitted by Petitioner for FY 2016-17 to FY 2020-21 has been tabulated below:

Table 4: Summary of Cumulative Gap/(Surplus) for the Second Control Period (Rs. Cr)

Particular	FY 17	FY 18	FY 19	FY 20	FY 21
Gap/(Surplus) for the year	189.54	159.33	109.39	164.51	160.17
Carrying Cost	190.15	137.62	79.55	97.22	75.26
Total Revenue Gap/(Surplus)	379.69	296.95	188.94	261.73	235.43
Total Revenue Gap/(Surplus) for the Control Period	1362.74				

Comments/Suggestions from stakeholders

1. The Commission has directed Tenughat Viduyt Nigam Limited to invite comments/suggestions from the public on the above Petition through this Notice.

2. The copy of the above petition 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

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 petition can also be downloaded from the website of TVNL www.tvnl.in and from the website of the Commission at www.jserc.org/tvnl2018.aspx .
4. Suggestions/comments may be sent to the office of TVNL at the address mentioned above by **07.08.2024**. 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 State Electricity Regulatory Commission

1st Floor, Jharkhand State Housing Board (Old Head Quarter)

Harmu Housing Colony, Ranchi - 834002, Jharkhand

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 **07.08.2024** for all the objections and comments/suggestions received till **07.08.2024**. Stakeholders can submit their rejoinders on replies provided by Tenughat Vidyut Nigam Limited either during the public hearing or latest by **07.08.2024**.

Sd/-

(S. R. Singh)

Electrical Superintending Engineer (Reg. & IT)

Tenughat Vidyut Nigam Limited, Ranchi