

**IN THE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION
AT RANCHI**

Case No. 01 of 2023

Tata Steel and Infrastructure Services Ltd. (TSUISL)Petitioner

**CORAM: HON'BLE JUSTICE MR. AMITAV KUMAR GUPTA, CHAIRPERSON
HON'BLE MR. MAHENDRA PRASAD, MEMBER (LAW)
HON'BLE MR. ATUL KUMAR, MEMBER (TECH)**

For the Petitioner : Mr. A. N. Choudhary, Chief Manager - TSUISL

Date – 16th May, 2023

1. The Petitioner- Tata Steel and Infrastructure Services Ltd. (TSUISL) has filed the instant petition under clause 6.15 of JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020 read with clauses A 44 and A 45 of the JSERC (Conduct of Business) Regulations, 2016 for approval of capital expenditure namely “Installation of Nitrogen Injection Fire Protection System (NIPS) in existing two numbers of power transformers in 33/11 kV Phase-7 substation related to safety and power reliability to be executed in FY 2024.
2. The Petitioner-TSUISL has prayed:
 - (a) For approval of the Capital schemes namely the Installation of Nitrogen Injection Fire Protection System (NIFPS) in the existing two power transformers in Phase-7 substation (Estimated Cost- App. Rs. 0.63 Cr.) as urgent and emergency requirement.
 - (b) To condone any inadvertent omissions/errors/shortcomings and allow TSUISL to add/change/modify/the prayers and to make further submissions as may be required in future.

Submission of the Petitioner

3. The representative of the Petitioner submitted that the Business Plan & Multi Year Tariff petition for the control period (FY2021-22 to FY 2025-26) was filed by the Licensee Tata Steel UISL in November, 2020 (Letter ref. PBD/2094/59-J12020 dated 29.11.2020), in accordance with the JSERC (Terms and Conditions for Determination of Distribution Tariff) Regulations, 2020, with details of capital expenditure and capitalization plan for the control period FY 2021-22 to FY 2025-26 as mentioned in Table No. 34 and 35 of the petition.
4. It was submitted that subsequent to filing the said petition, an urgent

issue regarding safety and reliability come to notice during internal reviews and being an emergency measure if needs to be undertaken in compliance with section-44 of the chapter-6 of Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations 2010. It came to light that fixed fire protection system is not available for the two power transformers No-10/125 MVA of Phase#7 substation of Adityapur Industrial area as per the guidelines of Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations 2010. It is stated that the transformers were installed in 2008 equipped with portable fire fighting devices like sand bucket and fire extinguishers.

5. The petitioner submitted that Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations 2010 mandates for installing fixed firefighting, either a High-Velocity Water Sprinkler (HVWS) or Nitrogen Injection Fire Protection System (NIFPS) for transformer having capacity 10 MVA and above. The regulation provides as under-

“The Electrical Inspector shall ensure that the transformers of 10 MVA and above rating or in case of oil filled transformers with oil-capacity of more than 2000 liters are provided with firefighting system as per IS 3034: 1993 or with Nitrogen Injection Fire Protection system;”

6. It stated that due to the criticality of the requirement, approval has been taken from the competent authority of TSUISL for capex scheme and pointed out that the installation of a fire protection system (NIFPS or HVWS) in two transformers of 10 MVA is required urgently as emergency requirement for safeguarding the threat to life and property.
7. The Petitioner has given the details of the capital expenditure and Capitalization as under:

| Scheme | FY 2023-24 |
|--------------------------|------------|
| Expenditure (Rs. Cr.) | 0.63 |
| Capitalization (Rs. Cr.) | 0.63 |

Commission’s observation and findings

8. On hearing the submission of the petitioner and as perusal of the materials available on records, it is pertinent to notice that Clause 6.15 of JSERC (terms and conditions for Determination of Distribution tariff) Regulations, 2020 reads as under :

“In case the capital expenditure is required for emergency work, which has not been approved in the Capital Investment Plan, the Licensee shall submit an application containing all relevant information along with reasons justifying emergency nature of the proposed work seeking approval of the Commission wherever possible:

Provided that in case the capital expenditure is required for emergency work or unforeseen situation to mitigate threat to life and property and if prior intimation thereof to the Commission shall cause any irreparable loss or injury, the Licensee may undertake Such capital expenditure and submit the details for post-facto approval of the Commission along with next Tariff Petition with all relevant details”

9. It is observed that the aforesaid proposed capital expenditure is of urgent in nature and also in consonance with the guidelines laid down by CEA (Measures Relating to Safety and Electric Supply) Regulations, 2010.

10. In the result, it is ordered;

ORDER

11. Considering the facts and circumstances of the case, the prayers of the Petitioner are allowed and the Commission approves capital schemes namely the Installation of Nitrogen Injection Fire Protection System (NIFPS) in the existing two power transformers in Phase-7 Substation of Adityapur Industrial area as per the guidelines of CEA (Measures Relating to Safety and Electric Supply) Regulations 2010, with a cost of Rs. 0.63 Cr. considering the urgency and emergency of its requirement.

12. Accordingly, the petition stands disposed off, with the aforesaid directions.

Sd/-
Member (T)

Sd/-
Member (L)

Sd/-
Chairperson