

**ODISHA ELECTRICITY REGULATORY COMMISSION**  
**BIDYUT NIYAMAK BHAWAN**  
**PLOT NO.-4, CHUNAKOLI, SHAILASHREE VIHAR**  
**BHUBANESWAR - 751 021**  
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**Present:**      **Shri U. N. Behera, Chairperson**  
                     **Shri A. K. Das, Member**  
                     **Shri S. K. Parhi, Member**

**Case No. 45 /2017**

M/s. Tata Steel Limited	.....	Petitioner
Vrs.		
GRIDCO Limited & Others	.....	Respondents

**In the matter of:**      An application under S. 86(1)(k) of the Electricity Act, 2003 read with Regulation 112 of the OERC Distribution (Conditions of Supply) Code, 2004 seeking direction of the Commission to M/s. GRIDCO Ltd., M/s. OPTCL and M/s. NESCO Utility for availing of power supply from both 33KV & 220KV DC lines of OPTCL Grid S/S at Joda for a period of minimum one month and maximum for three months by using separate circuits on the existing 33KV DC line for its stabilization of 220KV system from the date of energization of the 220 KV lines.

**For Petitioner:**      Shri Prabhu Prasad Mohanty, Advocate

**For Respondents:**      Shri Tapas Kumar Samantaray, GM(PP), GRIDCO Ltd.  
                                 Shri S. K. Puri, Sr. GM (RT&C), OPTCL & Shri S. K. Das,  
                                 AGM, OPTCL, Ms. Malancha Ghose, AGM (RA), NESCO Utility.

**ORDER**

**Date of hearing: 05.09.2017**

**Date of order: 20.10.2017**

The petitioner M/s. Tata steel Limited is expanding mines and setting up its Iron Ore Beneficiation plant of 4.6 & 8 MTPA capacity Joda East Iron Mines (JEIM) and Khondbond Iron Mines at Joda in the district of Keonjhar under the supply area of NESCO Utility. The applicant submitted that it has already started 8 MTPA capacity of steel plant at JEIM and is in the process of construction of further 4.6 MTPA capacity Iron Ore Benification plant at Joda & 8MTPA capacity Iron Ore Benification plant at Khonbond for which the power supply demand is expected to be 57MVA cumulative against present contract demand of 10MVA at 33kV connectivity. The above demand calls for migration from 33kV to 220kV connectivity as per prevailing rules and regulations made under Odisha Grid Code by the Commission. The power demand is to be upgraded in phased manner. M/s. OPTCL has already accorded permission to draw 27MVA power through 220kV connectivity from 220/132/33kV Grid Sub Station, Joda vide their letter No.TR/WKL/IV/356/2009/634 dated

09.03.2011 as per application of the petitioner. By virtue of the aforesaid agreement M/s. JITPL has already constructed a 220kV transmission system on its own cost and OPTCL has given permission for charging of the said line. Now the petitioner is ready to shift over to 220kV systems from existing 33kV systems. Presently the petitioner has been availing power supply to its steel plant through 33 KV double circuit line connected with OPTCL Grid Sub-station at Joda. Since the Petitioner intends to avail power supply at 220 kV from OPTCL Grid Sub-station at Joda and has constructed the required infrastructure such as transmission line it is ready to shift over to 220 KV systems from existing 33kV systems. Migration from 33 KV system to 220 KV system would take place by shifting the circuits one after another on the same Double Circuit line. After energisation of the first circuit at 220 KV, some stabilization period is required for ensuring the performance of all new equipment in the circuit like cables, 220 KV Transformer, 220 kV & 33kV switchgears etc. During the period of switching over till stabilization of the power supply, non-availability of alternative power supply from the Grid may force Iron Ore plant to unsafe and shutdown condition. The petitioner states that to overcome any difficult situation, if the power supply from both 220 kV and 33 kV are allowed to run concurrently for a period of one month to maximum for three months it is possible to get stable supply during shifting of load. In other words the 33 kV system shall remain as standby till the drawal in 220 kV system stabilizes.

2. The Petitioner submitted that they had requested M/s. NESCO Utility through a letter dated 22.06.2017 to remain connected with 33 kV system for one month allowing 220 kV system to stabilize. M/s. NESCO Utility in their letter dated 24.06.2017 had stated that though the problem of the petitioner is genuine it is not permissible under Supply Code, 2004 which under Clause 28 states that unless otherwise agreed to supply shall be at a single point at the outgoing terminals of the licensee. Therefore, they had advised the petitioner to approach OERC to remove difficulty under Clause 112 of Supply Code. Accordingly, the petitioner prays the Commission to allow him to draw power at two voltages i.e. 33 kV and 220 kV concurrently.
3. During hearing M/s. NESCO Utility submitted that if the Commission approves the supply at two voltages for a temporary period maximum upto 3 months, they have no objection to the same. During this stabilization period a temporary supply bill at 220 kV may be made to the petitioner in addition to normal bill at 33 kV supply. The temporary supply bill at 220 kV shall be made as per the temporary supply tariff approved by the Commission in their tariff order for FY 2017-18. After complete switch over to 220 kV system, the existing

account of consumer shall be upgraded to 220 kV from 33 kV. M/s. NESCO Utility has requested the Commission to approve the above billing modalities.

4. The respondent M/s. OPTCL has submitted that drawing power concurrently at two voltages is not permissible under existing provision of Supply Code. The present petition may be allowed after amendment of Supply Code.
5. Heard the parties. The claim of the petitioner that he has genuine difficulties during stabilization period of 220 kV circuit has been accepted by M/s. NESCO Utility. They have also proposed an alternative billing methodology during stabilization period. M/s. OPTCL has not shown any technical difficulties in allowing drawal at two voltages except the regulatory bottlenecks.
6. Therefore, in exercising power under Regulation 112 of Supply Code, 2004, we accept the request of M/s. Tata Steel Limited by allowing them to remain connected at two voltages i.e. 33 kV and 220 kV concurrently for a maximum period of three months. During this period billing in 220 KV shall be made in emergency supply category as approved by the Commission in their tariff order for FY 2017-18 or in the year in which this order is made effective. The billing in 33 KV shall be made during that period in the existing category. In no case M/s. TSL shall draw power simultaneously at both the voltages. The 33 KV supply shall remain as standby for a period of maximum three months from the date of drawal in 220 KV circuit. After the stabilization period the 33 KV consumer account shall be upgraded to 220 KV by bringing about necessary changes, immediately followed by disconnection of the 33 KV supply existing now. Both the Petitioner and NESCO Utility are directed to make necessary commercial agreement to give effect to this approval.
7. With the above observation the case is disposed of.

Sd/-  
**(S. K. Parhi)**  
Member

Sd/-  
**(A. K. Das)**  
Member

Sd/-  
**(U. N. Behera)**  
Chairperson