

**ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAWAN
PLOT NO.-4, CHUNAKOLI, SHAILASHREE VIHAR
BHUBANESWAR - 751 021**

Present: **Shri U. N. Behera, Chairperson**
 Shri A. K. Das, Member
 Shri S. K. Parhi, Member

Case No. 04/2017

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 to allow the petitioner for availing power supply from both 220KV and 400KV DC lines of new Duburi Grid S/s for a period of minimum one month and maximum for three months by using separate circuits on the existing 400Kv DC line for its stabilization of 400Kv system from the date of energization of the 400KV lines.**

For Petitioner: **Shri Prabhu Prasad Mohanty, Advocate**
 Shri Sanjay Raich Project, Power System, M/s. Tata Steel Ltd.

For Respondents: **Ms. Susmita Mohanty, Manager(PP), GRIDCO Limited, Shri Bijay Kumar Sahoo, CGM(O&M), OPTCL, and Ms. Malanch Ghose, AGM(RA), NESCO Utility.**

ORDER

Date of hearing: 16.05.2017

Date of order: 07.06.2017

The petitioner M/s. Tata steel Limited is setting up its 8 MTPA capacity integrated steel plant at Kalinga Nagar industrial Complex, Duburi in NESCO Utility area. The applicant submitted that it has already started 3 MTPA capacity of steel plant and is in the process of construction of further capacity. The power supply connectivity is to be made in phased manner. M/s. NESCO Utility has already granted permission for allocation of 133334 KVA power from new Duburi Grid Sub Station. Presently the petitioner has been availing power supply to its steel plant at Kalinga Nagar through 220 KV line. Since the Petitioner intends to avail 400 KV supply and has constructed the required infrastructure such as transmission line it is ready to shift its load from 220 KV to 400 KV system. Migration from 220 KV line to 400 KV line would take

place by shifting the circuits one after another on the same Double Circuit line. After energisation of the first circuit at 400 KV, some stabilization period is required for ensuring the performance of all new equipment in the circuit like cables, 315 MVA ICT, 400KV switchgears etc. During the period of switching over till stabilization of the power supply, if any untoward incident happens in 400 KV circuit, it will force the steel making units to unsafe condition resulting in shut down of the same due to non-availability of alternative supply from the Grid. To overcome any difficult situation, if the power supply from both 220 KV and 400 KV are allowed to run concurrently for a period of one month to maximum for three months it is possible to get stable and uninterrupted power supply from the 220 KV system and attend the problems of 400 KV system during shifting of load. In other words the 220 KV system shall remain as standby till the drawal in 400 KV system stabilizes.

2. The Petitioner further submitted that both the feeders are having secure make summation type ABT compliant apex meter having an accuracy level of 0.2 at new Duburi Grid end and there will be no problem to quantify the net drawl by the unit of the petitioner through both the feeders. M/s. NESCO Utility and OPTCL have also agreed to the said proposal of the petitioner which needs approval of the Commission as per Regulation 28 of the OERC(Conditions of Supply) Code, 2004 which inter alia states as follows:-

“Unless otherwise agreed to, the supply shall be at a single point at the outgoing terminals of the licensee, i.e.

(a) Cut-outs or circuit breakers in the case of low tension consumers, and

(b) Control switchgear or circuit breaker or high tension fuses that may be installed in the licensee’s or consumer’s premises as mutually agreed in the case of high tension or extra high tension consumers subject to provisions of this Code”.

3. In the above circumstances the Petitioner has prayed the Commission to allow them to avail power supply in both 220 KV and 400 KV lines from new Duburi Grid sub-station for the period of minimum one month to maximum three months.
4. The representative of GRIDCO Ltd. submitted that the issue of connectivity of 400KV circuit is to be dealt as per connectivity agreement between OPTCL and the petitioner. To keep 220KV power supply as emergency standby by the petitioner for a maximum period of 3 months till stabilization of 400KV system is a technical

requirement and should be resolved as per the connectivity/supply agreement executed between OPTCL/NESCO Utility and the petitioner, provided that M/s. Tata Steel Ltd. (TSL) should agree to the commercial condition of NESCO Utility.

5. The representative of M/s. OPTCL has stated that in case of total failure of power supply there should be possible damage to the unit of the petitioner and threat to human safety. OPTCL has no technical objection for keeping the existing 220KV power supply as standby for a maximum period of 3 months from the date of energization of 400 KV power supply from new Duburi Grid Sub-station of OPTCL which provides adequate safeguards in case of 220 KV power supply. The 220 KV line power supply only will be available in the event of exigency/outage of 400KV power supply and in no case M/s. TSL shall draw power simultaneously at both the voltage levels.
6. The representative of NESCO Utility has submitted that they have no objection to the above proposal of M/s. TSL for availing supply of power through 400KV keeping 220 KV supply as standby for three months as it has been actually availing power at 220 KV through the already constructed 400KV line.
7. After hearing the parties and taking in to consideration their submissions as both OPTCL and NESCO Utility have agreed to the proposal of the petitioner as per the MoM signed between them on 26.10.2016 and in the larger interest of the stakeholders including State, we allow M/s. TSL as per Regulation 28 and 112 of the OERC Distribution (Conditions of Supply) Code, 2004 to avail power supply at 220 KV and 400 KV from new Duburi Grid Sub-station for a period of maximum three months by utilising separate circuits on the existing 400 KV DC line. All technical and commercial arrangements shall be in place accordingly by parties during this period. In no case M/s. TSL shall draw power simultaneously at both the voltages. The 220 KV supply shall remain as standby for a period of maximum three months from the date of energisation of 400 KV circuit. The necessary agreement between M/s. NESCO Utility and the Petitioner to this effect shall be signed.
8. Accordingly, the case is disposed of.

Sd/-
(S. K. Parhi)
Member

Sd/-
(A. K. Das)
Member

Sd/-
(U. N. Behera)
Chairperson