

ODISHA ELECTRICITY REGULATORY COMMISSION
PLOT NO.4, CHUNUKOLI, SHAILASHREE VIHAR,
BHUBANESWAR – 751021

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

Case No.61/2018

M/s.Tata Steel Ltd., Jajpur	Petitioner
Vrs.		
M/s.Grid Corporation of Orissa Ltd. & Others	Respondents

In the matter of: **An application under Section 86(k) of the Electricity Act, 2003 read with Regulation 112 of the OERC Distribution (Conditions of Supply) Code, 2004 for supply of power at 220 KV for a period of minimum one month and maximum for two months after switching over power supply to 400 KV.**

For Petitioner: Shri S.S. Kshirsagal, M/s.Tata Steel
 Shri Prabhu Prasad Mohanty, Advocate

For Respondents: Shri Ashok Kumar Samantaray, Sr.G.M.(PP), GRIDCO
 Shri Tapas Pattanaik, DGM(PP), GRIDCO
 Shri Biswaranjan Mishra, GM (Elect.), OPTCL
 Shri Malancha Ghose, AGM(RA)

ORDER

Date of Hearing: 15.01.2019

Date of Order:13.02.2019

The petitioner M/s.Tata Steel Limited (TSL) has submitted that it is setting up 6 MTPA capacity integrated steel plant at Kalinganagar Industrial Complex, Duburi in NESCO utility area, out of which it has already commissioned 3 MTPA capacity steel plant and is in the process of further expansion of the plant at Kalinganagar. The power supply connectivity will be made in a phased manner. M/s. NESCO Utility has already granted permission for allocation of 133,334 KVA power from Duburi grid sub-station. Initially, the petitioner was availing power supply to its steel plant at Kalinganagar through 220 KV line and thereafter changed over to 400 KV system after the approval by the Commission vide its order dated 07.06.2017 in Case No. 04 of 2017. The petitioner submitted that the system was reverted back to 220 KV since one of the transformers at

Tata Steel premises developed technical snag during the stabilization process. The petitioner submitted that their steel plant is highly dependent on power and any power interruption during changeover may result in damage to the equipments and also threat to human safety. They have rectified the technical snag in the meantime and are ready to shift its connectivity from 220 KV to 400 KV systems. Migration from 220 KV line to 400 KV line would take place by shifting the voltage level of the circuits one after another on the same D.C. line. After energisation of the first circuit at 400 KV, some stabilisation period is required for energizing and ensuring the performance of new equipments in the circuit like cables, 315 MVA ICT, 400 KV switchgears etc. During the period of switching over till stabilization of the power supply, non-availability of alternative power from the grid and any untoward defect in 400 KV circuit, will force the steel plant to unsafe condition and shut down. Therefore, power supply from both 220 KV and 400 KV sources is required to overcome the difficult situation, if any, during changeover/stabilization. In the process of shifting over to 400 KV system, the 220 KV system shall remain as emergency standby till the 400 KV system stabilizes.

2. The petitioner further submitted that the Secure make summation type ABT compliance meter with 0.2 accuracy class being available at New Duburi Grid end is capable of summing and generating energy bill in case the circuits are energized either at 220 KV or 400 KV voltage level or one circuit energized at 220 KV and another at 400 KV level.
3. The petitioner prayed the Commission to allow the 220 KV system from Duburi grid as hot standby so that it can be brought back in case of failure of 400 KV system. Such an arrangement is required for the period of minimum one month to maximum of two months.
4. GRIDCO Ltd. submitted that the issue of connectivity at 220 KV as hot standby till stabilization of 400 KV system is a technical requirement and is to be dealt as per the connectivity agreement/supply agreement between OPTCL/NESCO Utility and M/s.TSL, complying with the commercial condition of NESCO Utility. M/s.TSL should agree to the commercial conditions of NESCO Utility.
5. OPTCL has agreed to the submission of M/s TSL about the possibility of damage to the plant and threat to human safety in case of failure of power supply. OPTCL has no technical objection for keeping the existing 220 KV power supply as hot standby for a

maximum period of two months from the date of energisation of 400 KV power supply from new Duburi grid sub-station, subject to the provision of adequate safety arrangement in place. M/s.TSL should avail 220 KV power supply in the event of exigency/outage of 400 KV supply only, but in no case, the firm shall draw power simultaneously at both the voltage levels. OPTCL stated that the petitioner is approaching the Commission without proper assessment of its own requirement for such changeover to 400 KV system.

6. NESCO Utility has submitted that they have no objection, if the proposal of M/s.TSL for power supply on both the voltages of 220 KV and 400 KV is allowed for the stabilisation period on the terms and conditions and arrangements made in obedience to the orders of OERC dated 07.06.2017 in Case No. 04 of 2017 during earlier stabilisation period.
7. Heard the parties. Their written notes of submission are taken into record. We observe that the Commission vide its order dated 07.06.2017 in Case No. 04 of 2017, as per Regulation 28 and 112 of the OERC Distribution (Conditions of Supply) code, 2004 had allowed the Petitioner to avail power supply at 220 KV and 400 KV from New Duburi Grid S/s for a period of maximum 3 months by utilizing separate circuit of the existing 400 KV DC line. Further, in the said order, the Commission had directed that all the technical and commercial arrangements shall be in place during this period and in no case, M/s TSL shall draw power simultaneously at both the voltages. Further, it was also directed that the 220 KV supply shall remain as standby for a period of maximum 3 months from the date of energization of 400 KV circuit and necessary agreements should be signed between M/s NESCO Utility and the petitioner to this effect.
8. Now, it is observed that the petitioner could not stabilize its 400 KV system during the period of changeover from 220 KV to 400 KV system as allowed in the aforesaid order dt.07.06.2017. In the present application, the petitioner has submitted that its 400 KV system is now ready for changeover from 220 KV again and prayed for another two months for stabilization of its 400 KV system. It is also observed that the respondents have agreed for such changeover as per the earlier terms and conditions.
9. Further, the Petitioner has submitted that a secure make summation meter is available at New Duburi end for both the circuits. Hence, they should not be charged additional demand charges even though he avails power at both 220kV & 400 kV alternatively

during the energisation period. But NESCO has submitted that permission for energization of both circuits in different voltages may be allowed in line with the terms and conditions of earlier order dated 07.06.2017 of the Commission. At that time as per mutual agreement, M/s TSL had agreed to pay separate demand charges for energisation of both the circuits at two different voltages as per letter dt.23.06.2018 to AO, NESCO. The Commission observed that as per Regulation 28 of OERC Supply Code, unless otherwise agreed to, the supply shall be at single point at the out-going terminals of the Licensees. In the present case, the petitioner has to avail power supply by energisation of both 220 kV & 400 kV system for specific period as a special case. Further, NESCO has accepted the proposal of the petitioner with earlier terms and conditions. Therefore, the Commission is of the view that the commercial terms should be mutually settled prior to the energisation of 400kV system to the same premises.

10. In view of the above, considering the prayers of the Petitioner with stated reasons, the Commission hereby allows the Petitioner to avail power supply from New Duburi Grid Sub-station through 220 kV and 400kV DC line for a period of two months for stabilization of its 400 KV system in line with the earlier terms and conditions set vide order dated 07.06.2017 in Case No. 04 of 2017 and letter dtd.21.6.2018 issued by NESCO Utility pursuant to that order and agreed to by the petitioner in their letter dtd.23.6.2018. In no case, M/s.TSL shall draw power simultaneously at both voltages. The Commission directs OPTCL to do the needful for smooth changeover of the supply during the period of transition. Further, M/s. TSL should be fully prepared to take care of all possible contingencies anticipated during transition prior to shifting from 220 KV to 400 KV. The necessary agreement between M/s. NESCO Utility, OPTCL and the petitioner to this effect shall be signed considering all technical and commercial issues.
11. Accordingly the case is disposed of.

Sd/-
(S. K. Parhi)
Member

Sd/-
(A. K. Das)
Member

Sd/-
(U. N. Behera)
Chairperson