

ORISSA ELECTRICITY REGULATORY COMMISSION

**BIDYUT NIYAMAK BHAWAN
UNIT-VIII, BHUBANESWAR - 751 012**

Present: Shri B.K. Das, Chairperson
Shri K.C. Badu, Member

Case No.04/2009

M/s Rathi Steel & Power Limited
Vrs.
OPTCL & SLDC

.... **Petitioner**

.... **Respondents**

**In the matter of: To permit synchronization of the 20 MW CPP at 33 KV
with its 220/132/33 KV Katapalli Grid Substation.**

Date of Hearing: 16.02.2009

Dated of Order: 16.02.2009

ORDER

Mr. R.P. Mahapatra, authorized representative of Rathi Steel and Power Ltd., Mr. J.P. Das, CGM (O&M), OPTCL and Mr. B.R. Mishra, DGM, SLDC are present.

2. M/s Rathi Steel & Power Ltd., At- Potapalli, Sikirdi, P.O. A. Katapalli, Dist. Sambalpur, the petitioner has set up a 20 MW CGP and is connected through a dedicated 33 KV feeder (tie line) to the 220/132/33 KV Katapalli Grid S/S of OPTCL, the respondent No.1. The petitioner has prayed to synchronize its CGP with OPTCL system. In the process it wants that around 4 MW of power shall be injected into the Orissa grid. However, during load throw off, there shall be about 16 MW push into the Orissa grid. The petitioner has complained that the OPTCL is not allowing synchronization in absence of PLCC/RTU.
3. Mr. Mahapatra requests the Commission that it be permitted to install the speech and data communication equipment within 8 months of synchronization of its CGP and there should be no restriction on the injection of the quantum of power beyond 5 MW. The petitioner has stated further that, in the amendment to the Regulation 4.15 (1) of OGC, there is no restriction in the OGC Regulation on the quantum of power injection from a CGP. It has cited that the Commission has circulated a public notice to make a hearing so that there shall be possibility of raising the limit of 5 MW, which is being periodically cited by the respondent. The petitioner stated during hearing that non-allowing of 16 MW injection may cause problem in the operation of the CGP.
4. Mr. Mahapatra also cited that the Katapalli S/S of OPTCL has no SCADA facility and the Fibre Optic Cabling of Katapalli-Budhipadar line is yet to be completed. In that case, putting up the PLCC and SCADA facility by the petitioner even

within 8 months may not serve any purpose. The petitioner also stated that when 2000 MW capacity CGPs are already connected to the Orissa grid, connection of another 20 MW capacity may not cause any disturbance. To substantiate, the petitioner cited the recent ARR & Tariff filing of OHPC where it has been stated that OHPC has not yet put the SCADA interface facility in its system. Hence, the petitioner wanted that it be allowed to put PLCC & communication facility within 8 months of synchronization or till OPTCL puts the SCADA facility whichever is later. He also stated that it is ready to provide reverse power flow relays to prevent any inadvertent reverse flow.

5. Mr. J. P. Das stated that the capacity of the Katapalli Grid S/S is only 40 MVA and hence, handling of power beyond 5 MW (to be injected by the petitioner) shall overload its transformer. Mr. Das wanted that WESCO should be made a party in this case and the decision in this case should be kept pending till the consultation process initiated by the Commission in raising the 5 MW limit is completed. He also stated that the Western region is facing problem due to back flowing of power from Chhatishgarh. In view of the same, a system study should be carried out so that handling of additional power at Katapalli S/S can be assessed. This, OPTCL stated, is as per the CEA (Technical Standards for Connectivity) Regulations, 2007. Further, OPTCL stated that, the injection of surplus power even for short duration without firm commitment may not be possible since the relay settings shall be made as per the PPA. At this point, the petitioner said that the percentage impedance of the 20 MW CGP is so high that the fault contribution from its end to OPTCL will not be much. Further to the query of the Commission, as to whether, Katapalli Grid sub-station is included in the list of 29 Grid sub-stations where, SCADA facility is proposed to be installed, Mr. J.P.Das for the respondent clarified that, steps have already been taken for establishment of SCADA facility at Katapalli Grid sub-station and it is over and above those 29 Grid sub-stations located in back ward areas of the State.
6. Mr. Mahapatra for the petitioner said that OPTCL should enhance the capacity of Katapalli Grid S/S so that Orissa State is benefited.
7. Mr. Mishra, DGM SLDC stated that without data communication to it, the real time import/export monitoring, scheduling will not be possible.
8. As to the query raised by the Commission as to whether in the present situation of power deficit, OPTCL has got any objection to the synchronization of M/s Rathi Steel unit with the OPTCL system, pending installation of PLCC & communication facilities for a short period, Mr. Das did not object for synchronization.
9. The petitioner submitted that, a dedicated 33 KV feeder exists from the Katapalli Grid S/s of the Respondent to the premises of the petitioner.
10. Since a dedicated 33 KV feeder exists from the Katapalli Grid S/s of the Respondent to the premises of the petitioner, connectivity may be permitted and

the petitioner has to provide PLCC and SCADA connectivity with the Katapalli Grid S/s as per the provisions of Orissa Grid Code, subject to the following:

As mentioned in the order of the Commission in Case No. 75 of 2008, “the Commission shall take a view regarding raising the limit of 5 MW for connectivity at 33 KV after due consultation with all the stakeholders viz. OPTCL, the DISTCOs as well as other prospective CGPs/Generators through a process of hearing. This process of consultation shall be completed within a period of 3 months.”

11. Until such a decision is taken, in order to make use of the surplus power of the petitioner CGP to meet the deficit situation, connectivity of this plant may be allowed for injecting power up to 16 MW. Further, as submitted by the petitioner, the normal injection at the point of inter-connection at the Katapalli Grid S/s is expected to be less than 5 MW, the power flow at the time of load throw off in the premises of the petitioner, will result in injection upto 16 MW in case of emergency situation only or during planned maintenance of the plant which will not be a regular phenomena. Since the petitioner is connecting its CGP with the State grid, they shall put up PLCC & RTU at the point of interconnection and provide output to the nearest point of SCADA interface within a period of eight months and the petitioner will give an undertaking to this effect to the respondent OPTCL.
12. In view of the above, the Commission directs synchronization of the CGP of the petitioner with the state grid before 15.03.2009 for injection of power up to 16 MW, subject to the petitioner fulfilling, other statutory provisions and furnishing of undertaking as indicated in para 11 above. Further, the petitioner has also to give an undertaking that, it will abide by the decision of the Commission based on the out come of the consultation with all the stake holders as referred to in para-10 and the modifications/changes, that may be needed shall have to be done by the petitioner at its own cost.

Accordingly the case is disposed of.

Sd/-
(K.C. Badu)
Member

Sd/-
(B.K. Das)
Chairperson