



Chhattisgarh State Electricity Regulatory Commission

Civil Lines, G.E. Road, Raipur – 492001

Tel: 0771-4073555, Fax-4073553

Petition No. 10 of 2007(M)

M/s. Chhattisgarh Hydro Power Pvt. Ltd. **Petitioner**
V/s
Chhattisgarh State Electricity Board **Respondent**

ORDER

(Passed on 06/07/2007)

Ms. Sheen Agrawal, Director with Shri G.K. Chhangani, Executive, of Chhattisgarh Hydro Power (P) Ltd., for petitioner. Shri Arun Bhatnagar, SE for respondent CSEB. Heard the parties.

2. This is a case for relaxation of the provisions of the Chhattisgarh State Electricity Grid Code, 2007 (the Grid Code hereinafter). The petitioner intends to install a small hydropower project of 24MW capacity at village Gullu, Distt. Jashpur on river Ib. The entire power generated by the plant will be sold to the respondent CSEB. As per Clause 4.12 of the Grid Code the power plant is required to have independent/dedicated EHV transmission line connected with an EHV Sub-station for the purpose of evacuation of power. The nearest 132KV sub-station where the power may be injected from the proposed power plant is in Jashpur, which is about 54 kms away. Construction of 132KV transmission line from Gullu to Jashpur entails passing through dense forest and mountain ranges which would involve forest clearance and in any case would be technically difficult to construct. The Pathalgaon-Jashpur 132 KV feeder passes through a place named Kunkuri which is about 24 kms from the project site. The petitioner has prayed for relaxation of clause 4.12 of the Grid Code and permission for setting up an intermediate sub-station at Kunkuri with loop-in loop-out system alongwith protection equipment, at his cost, so as to enable him to evacuate power from the project and supply the same to the CSEB. Clause 13.5 of the Grid Code provide for such relaxation by this Commission. The petitioner has further pleaded that the present load at Pathalgaon-Jashpur 132 KV feeder at Jashpur, is about 2.5MW and injection of 24MW on this feeder will mean a return back of about 21.5MW to Pathalgaon after the local consumption of 2.5MW which may increase the transmission loss in the system.

3. The respondent CSEB in their reply of 3/7/07 have no objection to the proposed arrangement. However, they have pointed out that the load on the Pathalgaon -Jashpur 132KV feeder is of the order of 10MW and if 24MW power is inducted on this feeder there will be a reverse power flow of the order of 10-

15MW. Thus the transmission loss may remain the same or marginally increase. But by the time the project comes up and later the load may grow and there may be lesser reverse flow of power. The only condition imposed by the CSEB for the arrangement proposed by the petitioner at Kunkuri is that the petitioner should bear the O&M expenses of the Kunkuri arrangement, as this would be of no use to CSEB till it is converted into a load catering sub-station of CSEB to meet local load requirements. The petitioner agrees to bear the O&M expenses as proposed by the CSEB.

4. Under Clause 13.5 of the Grid Code the Commission may pass any general or special order, not inconsistent with the provisions of the Act which appears necessary or expedient to remove any difficulty in giving effect to any of the provisions of the Code. The Commission is required to pass such an order after consulting the parties affected. In this case both the parties agree to the arrangement proposed by the petitioner which would appear to be expedient for evacuation of power from the small hydro power plant at Gullu. The Commission therefore orders, in relaxation of the provision of the Clause 4.12 of the Grid Code, that connectivity to the proposed project at Gullu shall be through a switching sub-station on the Pathalgaon-Jashpur 132KV feeder at Kunkuri with loop-in loop-out system alongwith necessary protection equipment. The sub-station shall be set up at the cost of the petitioner. Secondly, the petitioner shall meet the O&M expenses required to be incurred for operating the sub-station till it is converted into a load catering sub-station of CSEB. It is also ordered that in case of any dispute in future as to whether it has been converted into a load catering sub-station of CSEB between the two parties, the matter may be referred to the Commission for decision.

5. These orders may be conveyed to the parties and the case closed.

Sd/-
Member

Sd/-
Chairman