



Chhattisgarh State Electricity Regulatory Commission

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

Tel: 0771-5073555, Fax-5073553

Petition No. 27/2005 (M)

M/s Shri Bajrang Power & Ispat Ltd.....Petitioner

V/s

Chhattisgarh State Electricity Regulatory Respondents

ORDER

Passed on 02.09.2005 in Petition No. 27 of 2005 (M)

M/s Shri Bajrang Power & Ispat Ltd., who are EHV consumer of the CSEB for a contract demand of 2700 KV A since 07/04/05 have set up a sponge iron plant along with 18 MW captive power generation plant at Borjhara, Raipur. Because of the coming of the captive power plant they want to reduce their contract demand availed from the CSEB for the plant. They have hence submitted a petition to the Commission for considering their request for reduction in contract demand from 27007 KV A to 1350 KVA which has been registered as Misc. Petition No. 27/2005 (M) in the Commission. In the normal course their request should have been considered by the CSEB. But as per their petition their request was 110t considered by the CSEB, on the ground that the C-ERC has approved new tariff to all HT consumers in the State w.e.f. 1st July 2005 according to which the minimum contract demand permitted for HT consumers on 132 KV is 4000 KVA. Since, they have requested for reduction of contract demand from 2700 KV A to 1350 KV A the CSEB did not find it feasible to accept.

2. The comments of the CSEB on the application were invited and have been received vide their letter Nos. Chairman/CSEB1167 dated 30/07/05 and 02-02/SE-1112342 dated 22/08/05 wherein the CSEB has only raised the issue of correct metering arrangement for a consumer having load of 1350 KV A taking supply at 132 KV.

3. In the tariff order passed by the Commission in para 13.1 of the HT tariff schedule in chapter 6, the supply voltage for different loads has been fixed. As per this order the minimum and maximum load of a consumer getting supply at 132 KV should be 4000 KV A and 40000 KV A respectively. The order, however, stipulates that deviation, if any, on account of technical reasons is to be permitted with the consent of the Commission. It is in the light of this provision that the petitioner has approached the Commission for reduction in contract demand.

4. The CSEB has stated that since the current transformer for the metering purpose is installed in series of load circuit, it's suitability is required to be examined from the loading point of view. The technical consultant of the Board has stated that the maximum ratio between import/export and export/import should ideally be 1:20. This is acceptable to the Commission. In the instant case, the export of power is to the maximum extent of 16 MW and import is 1350 KV A, which is well within the ratio recommended for correct metering. However, the technical requirement for accurate metering is that the CT for metering shall have to be of class 0,5 S

accuracy (meter winding). Similarly, the meter has also to be of class 0.5 S accuracy and the metering winding of the CT should be rated *for* 5 Amp. and accordingly the meter should also be rated *for* CT secondary current of 5 Amp.

5. In view of the fact that M/s Shri Bajrang Power & Ispat Ltd. have their own 18 MW captive power plant and have provision to export power to CSEB up to maximum of 16 MW through the CSEB grid by utilizing the same transmission line which is used *for* import also and there does not appear to be any technical difficulty in recording the consumption of import/export power correctly if the metering arrangement is made as stated above. In view of the above, the contract demand of M/s Shri Bajrang Power & Ispat Ltd. may be reduced from 2700 KY A to 1350 KY A. The Board is directed to take action accordingly. The contract demand of M/s Shri Bajrang Power & Ispat Ltd. shall be reduced under the metering arrangement as above.

Sd/-
Member

Sd/-
Chairman

True Copy

(Ajay Srivastava)
Dy. Secretary