

BEFORE THE HIMACHAL PRADESH ELECTRICITY REGULATORY COMMISSION, SHIMLA

In the matter of –

1. M/S Sai Engineering Foundation
Sai Bhawan, Sector-IV,
New Shimla.
2. M/S Tangling Mini Hydel Power Project,
Sai Bhawan, Sector-IV,
New Shimla.

...Petitioners

V/s

1. The State of Himachal Pradesh
through Principal Secretary (MPP & Power)
to the Government of Himachal Pradesh.
2. The Himachal Pradesh State Electricity Board Ltd.
(through its Executive Director (Personnel)
Vidyut Bhawan, Shimla-4.
3. The Himachal Pradesh Power Transmission Corporation Ltd.,
Khallini, Shimla-2.

...Respondents

Petition No. 83 of 2010

(Date of decision 31.07.2010)

CORAM
YOGESH KHANNA,
CHAIRMAN

Present for -

For Petitioners	Sh. Ajay Vaidya Advocate
for Respondent No.1	Sh.K.S.Chauhan Dy.Distt.Attorney
for Respondent No.2	Sh. Narinder Singh Thakur, Advocate.
for Respondent No.3	Sh. A.K. Sharma, G.M., HPPTCL Shimla

ORDER

On the joint petition No. 153/2009 moved, by the Himachal Pradesh State Electricity Board Ltd (hereinafter referred as “the Board”) and M/s Tangling Mini Hydrel Power Project, Regd. Office at V.P.O. Tangling, Teh. Kalpa, District Kinnaur, H.P. and its corporate office at Sai Bhawan, Sector-4, New Shimla (H.P.)-171009, for the approval this Commission to the Power Purchase Agreement (hereinafter called ‘the PPA’) in respect of Tangling Small Hydro Electric Project (5.00 MW capacity) situated on Tangling Khad a tributary of the river Satluj in District Kinnaur, H.P. (hereinafter referred as “the project”) under clause (b) of sub-section (1) of section 86 of the Electricity Act, 2003, this Commission vide its Order dated 19.1.2010 accorded its approval to the said PPA, subject to the condition that the clauses 2.2.45 and 2.2.46, the interconnection point/facility is proposed in joint mode with Shyang (3.00 MW) at 220/66/22 kV Sub-station to be constructed at Bhoktoo.

2. The Commission further directed the IPPs that for this joint evacuation scheme, they shall file separate petition in the Commission for approval. Now pursuant to the Commission said Order dated 19.1.2010, M/s Tangling Mini Hydrel Power Project and M/S Sai Engineering Foundation, (hereinafter referred as “the petitioners”) have moved this petition for allowing the joint mode evacuation system for the evacuation of the power from the Tangling MHEP and Shyang MHEP. The Board and the The Himachal Pradesh Power Transmission Corporation Ltd. have been impleaded as the performa respondents.

3. The proposal submitted by the petitioners for approval of joint mode evacuation mainly envisages that :-

- (i) the power from 3 MW Shyang Power House shall be evacuated on regular basis, through a 22 kV line, which shall terminate at 22 kV Bus at Bhoktoo Sub-station;
- (ii) the power from 2x3.5 MW Tangling Power House shall also be evacuated through a 22 kV line which shall also terminate at 220 kV Bus at Bhoktoo Sub-station;
- (iii) the two 22 kV circuits between Tangling and Bhoktoo for evacuation of power from the above two said projects shall be constructed on common structures. However, the power from these two projects shall not be pooled by the IPPs and the same shall be carried on two separate circuits as aforesaid.

The interconnection facilities at Bhoktoo Sub-station shall also be provided separately for each of the two projects.

4. In view of the above, the proposal does not strictly envisage joint evacuation of power and rather envisages only construction of the two circuits on common structures upto Bhoktoo.

5. The line length between Tangling and Bhoktoo (i.e. the line on which two circuits for the two projects have to be strung) has been indicated as 5.8 K.M. However, the length of single circuit line between Shyang to Tangling has not been indicated which, it is understood, shall be of the order of 1 KM. Likewise the conductor size has not been indicated and it is assumed that the same shall not be smaller than 0.1 Sq. inch ACSR 'DOG' conductor.

6. The proposal has accordingly been considered subject to presumptions at preceding para 5. As the proposal is basically for construction of two circuits in joint mode, the standard conditions applicable for the joint evacuation of power as specified in **case No.**

92/2009 M/s Batot Hydro Power Ltd, 26 Gobid Mahal, 86-B N.S. Road Marine Drive, Mumbai and Others V/s Secretary, Himachal Pradesh State Electricity

Board Shimla and Others decided by this Commission on 21.12.2009 shall not be entirely applicable to this proposal. However, aforesaid conditions shall be applicable mutates mutandi in this case also to the extent the same are relevant in this case. As regards MOU executed by the parties the same is an internal arrangement between the two projects and does not form a subject matter of the Commissions approval.

7. Even though the petition does not cover the evacuation of power beyond interconnection point, it is necessary to address this aspect also. The 220/66/22 kV Sub-station at Bhoktoo where these projects are to be interconnected is yet to be constructed by the HPPTCL and the commissioning schedule for the same has also not been finalized by the HPPTCL so far. Moreover, there are not many small projects coming up in the areas in near future. Till such time, the said Sub-station comes up, the power can be evacuated by charging the existing 220 kV line between Kashang and Bhaba at appropriate lower voltage (66 kV). However, when Kashang Power House is commissioned, the 220 kV line shall have to be vacated for transmission at 220 kV and alternate/regular arrangement shall have to be made.

8. Moreover, the Board and the HPPTCL should coordinate and undertake: -
- (i) to provide, operate and maintain the 22 kV interconnection facilities for the two projects at Bhoktoo at the cost of the IPPs.
 - (ii) to evacuate power injection at Bhoktoo by charging the 220 kV Kashang Nathpa line at an appropriate lower voltage till such time Kashang HEP is commissioned.
 - (iii) the Board should make interim arrangements for evacuation of power on best efforts basis till such time evacuation of power begins through the proposed Bhoktoo Sub-Station.
 - (iv) the HPPTCL should finalise the commissioning schedule(s) of 220 kV Bhoktoo Sub-station keeping in view the commissioning schedule of Kashang HEP and other SHPs in the Bhoktoo and Karcham area and inform the Commission about the same.
 - (v) for the purpose of above items (i) (ii) & (iii) (above) the Board/ HPPTCL should also mutually agree with IPPs, particularly Tangling HEP which is yet to be commissioned, about the completion schedule(s) for interim as well as regular arrangements for various voltage levels at the proposed Sub-Station.
9. The Commission after taking stock of the circumstances of this case as well as after going through the pleadings made in this case, hearing the averments made by their learned Counsels/representatives accords its approval to the proposal of the petitioners for the joint dedicated system for evacuation of power to be generated at the above named Small Hydro Electric Projects, with the following modifications/ conditions, that :-
- (i) the IPPs shall maintain voltage profile and voltage regulations in the dedicated system within the limits as may be required for integrated operation of their projects with the grid;
 - (ii) the safety aspects will not be ignored in any respect while designing, constructing and operating the joint mode system.
 - (iii) proper protection shall be made and the switchgear of suitable capacities shall be installed by the petitioners at their controlling Sub-stations. The single line diagram of the arrangements shall be got approved by the IPPs from the Board as well as from HPPTCL;
 - (iv) the petitioners will enter into agreement amongst themselves for establishing, operating and maintaining the system upto 220 kV Sub-station at Bhoktoo in

accordance with the electricity laws, rules and regulations including the Grid Code and standards of Grid connectivity, technical standards for construction of lines and as per norms of system operation and directions of the SLDC regarding operation of dedicated transmission system. The petitioners would supply copy of such arrangement(s), to be entered into by them, to the HPSEB and the HPPTCL.

- (v) the approval of the proposed joint mode system shall not be construed, in any way, as commitment from the HPSEB/ HPPTCL to evacuate power from SHEPs matching with the time schedule of their commissioning. The time frame for evacuation of power in such cases shall need to be sorted out separately by the petitioners with the HPSEB/HPPTCL .
- (vi) the petitioner IPPs shall sign the requisite interconnection agreement(s) with the HPSEB/HPPTCL immediately and deposit the estimated cost for providing interconnection facilities as per mutually agreed schedule, so as to enable HPSEB and HPPTCL to construct interconnection facilities at the proposed Sub-Station at Bhoktoo;
- (vii) the IPPs shall seek prior permission of the HPSEB/HPPTCL before connecting any power house/line to the joint mode system;
- (viii) the approval of the proposed joint mode system shall in no way, absolve the IPPs from their obligations to obtain, in advance, all the requisite statutory/non-statutory clearances for construction, operation and maintenance of the joint dedicated system.
- (ix) the matter regarding deemed generation shall be regulated as per relevant provisions in PPAs and the conditions as may be mutually agreed by IPPs with the HPSEB for the interim arrangements.
- (x) the IPPs shall allow usage of the joint mode system for carriage of power from any other source (over and above the power from the SHEPs), if so directed by the Commission at any stage. In such an event, terms and conditions including the charges payable to IPPs shall also be decided by the Commission

The Commission orders accordingly.

Yogesh Khanna
Chairman