

ADDITIONAL AGENDA-2

FOR

36th MEETING OF COMMERCIAL SUB-COMMITTEE

ITEM-AA3. Scheduling of 10% overload capacity by Karcham Wangtoo to the long term beneficiaries to avoid spillage of water (Agenda by HBPCL)

It is to submit that 1000 MW Karcham Wangtoo HEP (KWHEP) located on river Sutlej in Kinnaur District of Himachal Pradesh is owned and operated by Himachal Baspa Power company Limited (HBPCL). The KWHEP is a run of river plant with pondage having peaking capability of more than 3 hours and is able to meet diurnal variation of power demand.

Power Purchase agreement (PPA) is through PTC for entire 880 MW (net of 12 % free power to GoHP- 120MW) saleable capacity of the plant to various distribution utilities on long term basis. Accordingly, electricity corresponding to entire 880 MW of the saleable capacity of the plant is being supplied to the State utilities under long term access (LTA) granted to HBPCL by the CTU, as under:

Haryana	376 MW	Effective from 1.4.2018
UP	200 MW	
Punjab	200 MW	
Rajasthan	104 MW	
Total	880 MW	

The generation tariff of KWHEP has been determined by the Hon'ble CERC.

During the current summer season, northern states are facing acute power shortage and with the high water flow for KWHEP, recently NRLDC has restricted the scheduling of KWHEP upto the LTA quantum of 880 MW and is not permitting overload schedule of 10% under the existing LTA. This is resulting in denial of entitlement of 10% overload rights of the State utilities from plant and would lead to spillage of water. This additional 10% overload generation can be utilised to meet the peaking power requirements of the State utilities in the summer season. Furthermore, it is understood that 10% overload is being allowed to Central sector hydro generating stations under their existing LTA.

In view of above, it is submitted that NRLDC may be requested to give uninterrupted schedule so that the benefit of hydro resources to long term beneficiary States for 10% overload generation is availed by them.

To avoid spillage of water KWHEP would schedule power upto 110% of the installed capacity, in adherence to CERC (IEGC) 5th Amendment

Regulation 2017 regulation to our long term beneficiaries.

CERC (IEGC) 5th Amendment Regulation 2017-

(8) The following shall be added at the end of Regulation 5.2 (h) of Part 5 of the Principal Regulations:

.....

Provided that scheduling of hydro stations shall not be reduced during high inflow period in order to avoid spillage:

It may also be noted that ISGS hydro plants do not have such restriction on the scheduling of power based on LTOA arrangement.

It is submitted that discrimination between the ISGS and IPP plants should be removed and to avoid spillage of water, 110% power generation be sent to the long term beneficiaries, under existing LTOA arrangement.

Members may discuss.

ITEM-AA4. Certification of monthly Plant Availability Factor for the month (PAFM) of the Karcham Wangtoo HEP by NRLDC (Agenda by HBPCL)

Tariff order for the Karcham Wangtoo HEP has been approved by CERC vide its order dated 30.3.2017

Clause 3 of Regulation 30 of CERC (Terms and Conditions of Tariff) Regulations, 2014 state that:

(3) The PAFM upto the end of a particular month and PAFY shall be computed in accordance with the following formula:

$$NPAFM \text{ or } NPAFY = 10000 \times \sum_{i=1} DCi / \{ N \times IC \times (100 - AUX) \} \%$$

Where, AUX=Normative auxiliary energy consumption in percentage.

*DCi = Average declared capacity (in ex-bus MW), for the ith day of the period i.e. the month or the year as the case may be, **as certified by the concerned load dispatch centre after the day is over.***

IC = Installed Capacity (in MW) of the generating station

N= Number of days during the period.

Note: DCi and IC shall exclude the capacity of generating units not declared under commercial operation. In case of a change in IC during the concerned period, its average value shall be taken.

Since all the power from KWHEP has been tied up under LTA, except 12% free power (120 MW) to the Himachal Pradesh state as per the implementation agreement, it is requested that PAFM for KWHEP may

please also be incorporated in Table A of the monthly REA published by NRPC.

Members may discuss.

ITEM-AA5. Issuance of Certificate regarding HPPTCL Assets namely 33/220KV, 80/100MVA GIS Substation Phojal along with 220KV D/C LILO Transmission line being interstate as Interstate Transmission line. (Agenda by HPPTCL)

HPPTCL vide their letter dated 07/06/2018 ([Annexure-AA5.1](#)) submitted request for certification of 33/220KV, 80/100MVA GIS Substation Phojal along with 220KV D/C LILO Transmission line as ISTS.

Members may discuss.

Annexure-AA5.1



H.P.POWER TRANSMISSION CORPORATION LIMITED

(A State Government Undertaking)

Regd. Office: HIMFED BHAWAN, PANJARI, SHIMLA-171005.

(CIN):U4010HP2008SGC030950

Phone No:- 0177-2831284, FAX:- 0177-2832384

No. HPPTCL/C&M/Phojal Petition/2018- 2939

Dated : 07/06/18

To

The Superintending Engineer,(Commercial),
Northern Regional Power Committee,18-A,
Shaheed Jeet Singh Marg,Katwaria Sarai,
New Delhi-110016.

Subject :- Issuance of Certificate regarding HPPTCL Assets namely 33/220KV, 80/100MVA GIS Substation Phojal along with 220KV D/C LILO Transmission line being interstate as Interstate Transmission line.

Sir,

HPPTCL has filed a Petition before the Hon'ble CERC for determination of Transmission tariff of subject cited assets being incidental to interstate 220KV AD Hydro Power interstate Transmission line. In the hearing in CERC on 31.05.2018, Hon'ble Commission has directed HPPTCL to obtain a certificate from NRPC to the effect that these assets are interstate and are being used as such.

It is intimated that 220KV D/C LILO Transmission line and 33/220KV,80/100MVA GIS Substation Phojal, which has been put on commercial operation on dated 05.06.2016 are being used for evacuation of power generated by 24 MW Baragoan and HPSEBL is injecting/drawing 11.4 MW power through said assets .In future these assets will be used for interstate transmission of power to evacuate power generated by various power projects coming up in the vicinity. Brief details of these assets is given below:--


Sr. No.	Name of Transmission line	Type of line(AC /HVDC)	S/C or D/C	No. of Sub-Conductors	Voltage level KV	Line length (Ckt. KM.)	Line Length (KM)	COD
1	220KV D/C Transmission line from Phojal Substation to LILO at Patlikul with 220KV D/C AD Hydro Transmission line	AC	D/C	Single Conductors	220	2 X 6.875	6.875	05-June-16

S.No.	Name of Sub-Station	Type of Substation	Voltage level KV	Number of bays				COD
				765KV	400 KV	220 KV	132 KV and below	
1	33/220KV, 80/100MVA GIS Substation Phojal	GIS	220			2	6 No. (33KV Bay)	05.06.2016

You are requested to issue necessary certificate declaring that the aforesaid assets of HPPTCL are interstate and being used for interstate transmission of power.

This matter was also discussed with Member Secretary, NRPC telephonically by the undersigned.

Urgent please.


 Dy. General Manager (C&M),
 Himfed Bhawan, Panjari Tutikandi,
 Shimla-171005.