

Agenda for discussions in the 40th meeting of the STU Coordination Committee to be held under the chairmanship of Pr. Secretary (MPP & Power)

1. Evacuation arrangement for Beaskund HEP (9 MW) & other SHPs in Palchan valley:-

a) 33/220 kV, 31.5 MVA sub station in the yard of Allain Dhuangan HEP :

- In its 39th meeting held on 29.1.2015, Committee was apprised that HPSEBL has taken up the matter regarding drawl of free power at Prini with M/S ADHPL and final decision shall be taken up shortly. Committee was also informed that ADHPL shall convey their approval to start the work after finalization of drawl point by HPSEBL.
- Committee directed that all the pending issues with ADHPL be sorted out and under no circumstances work should be held up.

HPSEBL and HPPTCL may update the Committee.

b) 33 kV D/C Palchan-Prini line:

- *Forest Case:* In the last meeting of Committee held on 29.1.2015, it was apprised that :
FCA case under process with MoEF Regional Office at Dehradun since 30.04.2014 was received back on 28.01.15. The revised case with maximum ROW shall be prepared and re-submitted by the end of Feb. 2015.

HPPTCL may update the Committee.

2. Construction of 4 Nos. Transmission Projects to be built by HPPTCL with Financial assistance by ADB (Tranche-I): -

Progress review of 4 Nos. Transmission Projects being built by HPPTCL with financial assistance by ADB:

- i) 22/66/220 kV, (22/66 kV, 2x10 MVA+66/220 kV, 31.5 MVA) Pooling station at Bhoktoo +LILO of one circuit of 220 kV Kashang- Bhaba Line-

22/66 kV portion- Revised time line-31.5.2015.

- In its 39th meeting of the Committee held on 29.1.2015, it was apprised that assembly of 66/22 kV transformer is expected within next 20 days which is critical for evacuation of Shaung, Brua, Shyang and Tangling HEPs during interim period. It was also apprised that alternative route for cartage of this transformer only is open up to February end. Committee agreed that in view of critical nature of the work, short circuit test which could delay the work may be waived off after obtaining assurance from the Contractor that transformer shall be ready for cartage before February end.
- Subject to above condition, 66/22 kV sub station could be completed in May, 2015.

HPPTCL may update the Committee.

66/220 kV portion- Revised Time Line-31.8.2015.

- Director (Technical), HPSEBL informed that as per decision taken in 38th meeting of the Committee, meeting with the IPPs was fixed on 12.1.2015 but could not be held. In the mean time, cost estimate of 66 kV bay along with other equipment for terminating one circuit of 220 kV Kashang-Bhaba D/C line (to be charged at 66 kV) at 66 kV Nathpa sub station had been prepared at an estimated cost of ₹ 1.44 Crore. This cost has to be shared by the IPPs who shall inject their power into Nathpa till their regular interfacing points allotted to them at

Bhoktoo, Urni and Wangtoo sub stations of HPPTCL are commissioned.

- IPPs expressed reservations on the quantum of share to be borne by them particularly in view of interim nature of arrangement.
- Committee had directed HPSEBL to immediately call a meeting of all the IPPs on 30.1.2015 and evolve such mechanism for sharing of cost so that IPPs are not burdened with exorbitant costs during interim period.

HPSEBL may update the Committee.

- ii) **220/400 kV, 315 MVA P.S near Pragati Nagar+ LILLO of both circuits of 400 kV Jhakri- Abdullapur D/C Line.- COD-31st July, 2016. :-**

In its 39th meeting of the Committee held on 29.1.2015, progress of this ongoing work was reported as under:

- Construction of retaining wall is in progress (130 mtr. Raft concreting and 80 m. long 2.4 m. high retaining wall completed). The firm has started the material (CVT) supply.
- Sub station work has been delayed for settlement of private land dispute issue.

HPPTCL may update the Committee.

- iii) **220 kV D/C High Capacity Line from Hatkoti to 220/400 kV P.S near Pragati Nagar :-**

In the last meeting of Committee held on 29.1.2015, it was apprised that:

- Revised forest case for the diversion of forest land submitted to CF Shimla on 27.11.14 was in process with the office of Nodal officer cum

Additional PCCF Shimla. Nodal officer has raised some observations, which are being attended. Meeting was held by DC Shimla on 20.1.2015 regarding issue of FRA certificate. The process of issuing FRA certificate by DC is pending.

- Negotiations with Pvt. Land owners are in progress.

HPPTCL may update the Committee.

- iv) **66/220 kV, 2x80/100 MVA+220/400 kV, 2x315 MVA P.S at Wangtoo+ LILO of both circuits of 220 kV and 400 kV Lines COD- 220 kV portion – February, 2017 and 400 kV portion-August, 2017:- .**

In the last meeting of Committee held on 29.1.2015, it was apprised that:

- Land handed over to the Company on 23.01.15.
- Action for shifting of 22 kV lines from the substation site has been initiated.
- There is slippage in the commissioning of the sub station. Revised Time lines are: 400/220 kV Portion- Aug, 2017, 220/66 kV portion- Feb, 2017.

HPPTCL may update the Committee.

3. **Construction of 33/220 kV GIS Sub Station at Phojal in Naggar Valley in Distt. Kullu (Revised Time Line -31.3.2015)**

In the 39th meeting of the Committee held on 29.1.2015, it was apprised that:

- All the Major equipment and transformers (i/c spare transformer) have been erected. Some minor allied works are in progress and shall be completed shortly.

- Field testing of 33 kV GIS and all other equipment have been completed Field testing of 220 kV GIS and associated auxiliaries is under progress
- Committee was apprised that interim arrangement for evacuation of power of Baragaon HEP (24 MW) i.e. LILO of 33 kV Naggar- Bajaura line is complete except one span.

.HPPTCL and HPSEBL may update the Committee.

LILO of 220 kV Prini- Nalagarh Line (Revised Time Line- 31.3.2015):

In its 39th meeting of the Committee held on 29.1.2015, it was reported that:

- a: Work on laying of foundations i/c protection work has been completed on all the 96 stubs. 15 towers have been erected. Erection work on three more towers is in progress. Sagging work of 1.308 km. out of total 6.8 km. completed and for 1.321 km is in progress.
- b: Delivery of Tower material of 5 No. towers (last lot) has been received on 19.01.15 with shortages in each tower material which is being worked out to make up shortly.

HPPTCL may update the committee.

4. **Valley wise transmission Plan for Palampur Zone, Satluj Basin (up to Wangtoo) and Ravi basin (Chamba & Gharola Zones)**

Committee shall be apprised on the following:

- i) **Short term arrangements for evacuation of Small Hydel power in Palampur Zone :**

Activity wise progress review of following works was reported as under:

33 kV Baner- Darang- Kangra line.-

The work is now covered in the Green Energy corridor scheme of Gol. The FRA case under process.

Time line for execution-**30.6.2015**

33 kV Maranda- Nagrota-Kangra line.-

The work is now covered in the Green Energy corridor scheme of Gol. The FRA case under process.

Time line for Commissioning:-**30.6.2015.**

33 kV Baner-Sidhpur & Kangra

The work is included in Green Energy corridor scheme of Gol. Tender opened on 20.7.2014 and under process.

Time line for execution- **30.6.2015**

33 kV Baijnath-Bassi line

Loan sanctioned by M/s REC

i) Tender for the line portion between Baijnath to Chauntra is under evaluation. The work will be awarded during Jan, 2015.

ii) CE(OP) CZ, Mandi has executed the work falling under their jurisdiction i.e. Bassi to Chauntra.

Time line for Commissioning-**31.03.2015**

ii) **Evacuation arrangements for Small HEPs in Satluj Basin (up to Wangtoo)**

In the 39th meeting of the Committee, it was apprised that:

a: 66/22 kV sub-station work at Ani (Nagan) has been completed and testing and commissioning scheduled in 1st week of Feb, 2015.

b: LILO of 66 kV Gumma-Kumarsain line:

- Land acquired for all 30 Nos. towers. Out of 30 Nos Towers stubbing of 27 Nos. towers is completed.
- The Tower material for 28 Nos. towers has been received at site till now. Erection of 20 Nos Towers completed.
- 2.8 Kms sagging completed. Revised time line **28.2.2015**

HPSEBL may update the Committee.

iii) Evacuation arrangements for Small HEPs in Ravi Basin (Chamba & Gharola Zones)

In the 39th meeting of the Committee held on 29.1.2015, progress of following works was reported as under:

i) 33 kV D/C line between Holi & Gharola:

The Tenders for execution of the work received and are under process.

Time line-30.4.2015.

ii) 33 kV D/C line between Gharola and Bharmour:

The work line has been awarded. All 58 Nos. structures erected and sagging in progress.

Time line-31.3.2015.

HPSEBL may update the Committee.

During discussions in its last meeting held on 29.1.2015. Representative of Om Energy had suggested that in view of inadequate grid facilities in the valleys, running of projects in isolation mode to feed the local loads should be allowed.

Committee had directed Energy Directorate to take note of the suggestion on isolated operation of Small HEPs and consider making necessary changes in the Implementation Agreements.

Energy Directorate may update Committee.

iii) 33/220 kV GIS sub station at Karian:

The substation work completed and 33 kV portion of the sub station commissioned on 3.9.2014

iv) 220 kV S/C line on D/C towers between Karian and 400/220 kV Chamera P.S of PGCIL. (Revised Time Line-30.6.2015)

- 4 No. stubs re-casted & 2 No. new casted.
(Total Stubs casted = 62)
- **Tower erection:** Total **6 No.** towers have been erected.
- There is slippage in the completion of the line.

HPPTCL may update the Committee.

5. Construction of 220 kV Kashang- Bhaba D/C Line (Revised Time Line-31.3.2015):

In the 39th meeting of the Committee held on 29.1.2015, progress of completion of 220 kV Kashang-Bhaba line was reported as under:

- Earth cutting work for maintaining necessary vertical & horizontal clearance is in progress.
- 25 No. Forest trees and 33 No Pvt. trees falling enroute of the line has been felled during Dec 2014 and January 2015.
- First lot of Tower Material required to complete the line i.e. to erect the towers and replacement of damaged parts (**without nuts and Bolts**) had arrived on

20.12.14, segregation of same is being done by the firm. Dispatch instruction for Nuts & Bolts issued on 22.01.15.

- HPSEBL had apprised that Financial concurrence and work expenditure sanction has been obtained by circulation in BOD of HPSEBL and the same shall be conveyed to HPPTCL immediately.

HPPTCL and HPSEBL may update the Committee.

6. **Progress review of Transmission Projects planned to be built with ADB Loan –Tranche-II:**

In 39th meeting of the Committee held on 29.1.2015, status/progress of various transmission projects covered in Tranche-II of ADB Loan was given as under:

a) **66 kV GIS Switching station at Urni (Revised Time Line- January, 2016) :**

- Initial activities i.e. survey work, preliminary engineering design and drawing activities initiated by the firm.

b) **66 kV Urni- Wangtoo D/C Line :**

- Work awarded to M/S Karni Mata Construction Company Jodhpur on 17.01.15.
- Revised FCA case in accordance with fresh guide lines is being prepared and shall be submitted by 10th Feb. 2015.
- **Time Line** shall be 15 months after handing over of clear site.

c) **33/220/400 kV, (33/220 kV, 50/63 MVA + 220/400 kV, 2x315 MVA) GIS sub-station at Lahal (Time Line -33/220 kV portion- Jan, 2017, 220/400 kV- Jan, 2018):**

- Work awarded on 20.9.2014.

- d) **220 kV Lahal- Budhil S/C Line (Time Line-August, 2015).**
- Revised Financial Bid evaluation Report sent to ADB for approval on 03.01.15. Negotiations with L-1 firm carried out on 17.01.15 and are under process of evaluation.
 - Case for transfer of land is still in MoEF office at Delhi.
 - **Completion time** – 15 months after handing over clear site.
- e) **132/220 kV, 2x100 MVA GIS sub-station at Sunda (Time Line-October, 2015)**
- Tender opened on 15.10.2014. TBER under process.
- f) **220 kV Sunda - Hatkoti D/C Line (Time Line-October, 2015).**
- Revised FCA case submitted on line on 31.12.14.
 - ADB approval received. Approval of BOD for award is in process.
- g) **220 kV Switching Station at Hatkoti (Time Line-October, 2015).**
- Committee directed HPPTCL to finalize the site for the switching station at the earliest.
- h) **33/132 kV, 2x25/31.5 MVA GIS sub-station at Chambhi (Shahpur) with LILO of 132 kV Dehra- Kangra S/C Line (Time Line-February, 2016).**
- TBER is being sent to ADB for approval.
- i) **33/132 kV, 2x25/31.5 MVA GIS sub-station at Barsaini (Time Line-March, 2016).**
- **Land Acquisition:** Approval to purchase the Pvt. Land has been accorded in the 26th BOD meeting and the action to purchase the same has been initiated.

j) **132 kV D/C Line from Barsaini to 132/220 kV Charor Sub-station (Time Line- April, 2016).**

- FCA case is under process with DFO Parvati. Enumeration of trees is under progress.
- FBER approved by ADB on 21.01.15.

k) **132/220 kV, 126 MVS GIS sub-station at Charor (Time Line-May, 2016).**

- Bid opening extended to 12.02.15.

l) **220 kV Charor- Banala D/C Line (Time Line-April, 2016).**

- *Forest Case:* FCA case with Nodal Officer Shimla. Observations raised by Nodal officer have been attended to and case resubmitted to Nodal officer.
- Work awarded to M/S RS Infra Projects Pvt. Ltd. Noida on 22.01.15.

m) **33/132 kV, 31.5 MVA GIS sub-station at Pandoh with LILO of 132 kV Bajaura- Kangoo line (Time Line- Feb, 2016)**

- TBER sent to ADB for approval on 14.01.15.
- Land has been vacated by HPSEBL. Matter is being pursued with BBMB for transfer of land to HPPTCL.

HPPTCL may update the Committee on the progress of above works.

7. **Construction of Evacuation lines by HPPTCL in Pabbar Basin:**

In 39th meeting of the Committee held on 29.1.2015, progress of following lines under implementation by HPPTCL was reported as under:

a) **132 kV D/C line from Tangnu Romai (44 MW) HEP to 132/220 kV planned sub station of HPPTCL at Sunda.**

Forest case returned by Forest Deptt. is being revised.

- Funds for construction of the line approved under Green Energy Corridor scheme of GoI

b) 220 kV Snail (Sawra Kuddu HEP) - Hatkoti D/C line

- Revised forest case for the diversion of forest land submitted to CF Shimla on 27.11.14 and is now in process in the office of Nodal officer cum Additional PCCF Shimla. Nodal officer has raised some observations, which are being attended.
 - Meeting was held by DC Shimla on 20th Jan. regarding issue of FRA certificate. The process of issuing FRA certificate by DC is pending.
 - Negotiations with Pvt. Land owners are in progress.
- HPPTCL may update the Committee on the progress of above works.**

8 Evacuation arrangement for Rukti-II HEP (5 MW)

- In the last meeting of Committee, HPSEBL informed that there are certain issues to be discussed with developers of Shaung & Brua HEPs before proposal to evacuate Rukti-II HEP (5 MW) in joint mode with these projects up to 66 kV switching station under construction by HPPTCL at Urni is firmed up.
- Committee had directed HPSEBL to call meeting of developers of Rukti-II, Shaung & Brua HEPs to find out a possible solution to evacuation constraints faced by Rukti-II HEP.

HPSEBL may update the Committee.