

Agenda for discussions in the 41st 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 40th meeting held on 4.4.2015, Committee was informed that HPSEBL shall take up the matter regarding drawl of free power at Prini/ Phojal with M/S ADHPL and HPPTCL and final decision regarding point of drawl shall be conveyed in the next meeting of the Committee. **HPSEBL** may update the Committee.
 - **HPPTCL** shall update the committee on the progress of stalled construction activities at the site of 33/220 kV sub station in the yard of Allain Dhuangan HEP.
 - b) **33 kV D/C Palchan-Prini line:**
 - ***Forest Case:*** In the last meeting of Committee held on 4.4.2015, it was apprised that :
Preparation of revised FCA case is under process and shall be uploaded on line on the web portal of MoEF by 20th May, 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-31.7.2015.
 - In its 40th meeting of the Committee held on 4.4.2015, it was apprised that Contractor has assured to offer inspection of

66/22 kV transformer in May, 2015 after which 66/22 kV sub station could be completed in July, 2015 subject to no cartage constraints.

HPPTCL may update the Committee.

66/220 kV portion- HPPTCL to give time line for completion of 66/220 kV portion.

- Director (Technical), HPSEBL informed that as per decision taken in 39th meeting of the Committee, meeting with the IPPs was held in February, 2015 to discuss issues regarding sharing of cost and the quantum of power that can be transferred during interim period. 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 earlier reported as ` 1.44 Crore has been revised to ` 1.23 Crore which shall be shared by the IPPs.
- Committee directed HPSEBL to immediately call a meeting of all the IPPs on 6.4.2015 to give a final shape to the interim arrangements at Nathpa.

HPSEBL may update the Committee.

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

In its 40th meeting of the Committee held on 4.4.2015, progress of this ongoing work was reported as under:

- Construction of retaining wall is in progress RCC Raft 207.362 m, Retaining Wall 176.962 m long, 2.4 m. high and 51.165 m long, 3.6 m high completed
- The firm has started the material supply. 400 kV GIS, GIS module, 245 kV CVT, Panels, Bus bar, MS rods etc. supplied.

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 4.4.2015, it was apprised that:

- Revised forest case for the diversion of forest land has been forwarded to Regional office of MOEF, Dehradun on 12.3.2015 and is under process.
- Negotiations with 26 Nos. Pvt. Land owners have been conducted. With the remaining land owners, it is 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 4.4.2015, it was apprised that:

- Soil investigation work started by the Contractor.
- Shifting of 22 kV lines from the substation site is in progress.

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 -30.4.2015)**

In the 40th meeting of the Committee held on 4.4.2015, it was apprised that:

all the works have been completed except the following works which would be completed by 30.4.2015.

- Neutral formation arrangement.

- Commissioning of SAS for 220 kV system.
- PLCC and FOTE.
- Site surfacing
- 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. This arrangement can evacuate 10-15 MW of Baragaon HEP (24 MW) till regular arrangement at Phojal along with 220 kV LILO of Prini- Nalagarh line is available.

HPPTCL and HPSEBL may update the Committee.

LILO of 220 kV Prini- Nalagarh Line (Revised Time Line- 31.5.2015):

In its 40th meeting of the Committee held on 4.4.2015, it was reported that:

- a: Work on laying of foundations i/c protection work has been completed on all the 96 stubs. 20 towers have been erected. Erection work on four more towers is in progress. Sagging work of 2.498 km. out of total 6.8 km. completed and for 0.434 km is in progress.

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.

Revised Time line for execution-**30.6.2016**

33 kV Maranda- Nagrota-Kangra line.-

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

Revised Time line for Commissioning:-**30.6.2016**.

33 kV Baner-Sidhpur & Kangra

The work is now included in REC loan. Line is at the stage of being awarded.

Time line for execution- 31.3.2016

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 April, 2015.

Time line for Commissioning-**31.07.2015**

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

In the 40th 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 was in 1st week of Feb, 2015. No confirmed status was reported.

b: LILO of 66 kV Gumma-Kumarsain line:

- Work awarded on Turnkey basis to M/s M.J. Engg. works, New Delhi.
- All 30 Nos Towers erected.
- 500 Mts. sagging left.
- Revised time line **30.4.2015**

HPSEBL may update the Committee.

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

In the 40th meeting of the Committee held on 4.4.2015, progress of following works was reported as under:

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

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

Revised Time line-31.8.2015.

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.

Revised Time line-31.8.2015.

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.

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). One stub at Tower location 15 damaged due to heavy rain.

- **Tower erection:** Total 7 No. towers have been erected.

HPPTCL may update the Committee.

5. **Construction of 220 kV Kashang- Bhaba D/C Line (Revised Time Line-15.6.2015):**

In the 40th meeting of the Committee held on 4.4.2015, progress of completion of 220 kV Kashang-Bhaba line was reported as under:

- Line is delayed and is now likely to be completed by **15th June, 2015**
- Revised S/S and E/S for construction of 220 kV Kashang-Bhaba D/C line has been received from HPSEBL on 28.2.2015. Copy of the justification of variation in quantities and amount of all the works is still awaited from HPSEBL.
- Committee directed HPSEBL to supply the pending details to HPPTCL at the earliest.

HPPTCL and HPSEBL may update the Committee.

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

In 40th meeting of the Committee held on 4.4.2015, 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) :**

- Site development including boulder removal is in progress.

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

- Work awarded to M/S Karni Mata Construction Company Jodhpur on 17.01.15. Contract agreement signed on 11.3.2015.
- Revised FCA case in accordance with fresh guide lines is being prepared. Re-enumeration of trees and joint

inspection completed on 21.3.2015. FCA case is likely to be uploaded on the web portal of MOEF by 20.4.2015.

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 already awarded to M/S L & T. The Contract Agreement signed. The firm is doing the initial activities e.g. soil investigation and to find out ways for smooth carriage of transformers over Kharamukh bridge.

d) **220 kV Lahal- Budhil S/C Line.**

- Work awarded to M/S M.J. Engineering Works (P) Ltd on 11.3.2015.
- Case for transfer of FCA from JSW to HPPTCL 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)**

- Price bid opened on 24.3.2015.
- Private land acquired.

f) **220 kV Sunda - Hatkoti D/C Line (Time Line-October, 2015).**

- Revised FCA case has been uploaded on the web site of MOEF, Gol. Currently, the case is under process in the office of DFO, Rohroo.
- Approval of BOD for award is in process

g) **220 kV Switching Station at Hatkoti (Time Line-October, 2015).**

- The work is proposed to be shifted to Tranche-III of the ADB loan.

h) 33/132 kV, 2x25/31.5 MVA GIS sub-station at Chambi (Shahpur) with LILO of 132 kV Dehra- Kangra S/C Line (Time Line-February, 2016).

- FBER is being evaluated.
- Registration of Pvt. Land has been scheduled in the first week of April, 2015.

i) 33/132 kV, 2x25/31.5 MVA GIS sub-station at Barsaini (Time Line-March, 2016).

- *Land Acquisition:* Pvt. Land being acquired.

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

- Joint inspection on 20.4.2015.
- FBER evaluation/ negotiations in process.

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

- Bid opening extended to 22.4.2015.

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

- *Forest Case:* FCA case under process with MOEF Regional Office, Dehradun. FRA certificate is awaited from D.C. Kullu and D.C. Mandi.
- 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)

- FBER under process.
- 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 40th meeting of the Committee held on 4.4.2015, 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.**

- The forest Clearance case has been uploaded on the online web portal of MOEF, Gol and is under examination by Nodal officer, FCA, H.P. Forest Deptt. The FRA certificate is still awaited.

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

- Revised forest case for the diversion of forest land has been forwarded to Regional office of MOEF, Dehradun on 12.3.2015 and is under process.
- Negotiations with Pvt. Land owners have been conducted. Acquisition process of Pvt. Land locations have been initiated.
- Negotiations with Pvt. Land owners are in progress.

c) **132 kV Rupin – Sunda D/C line**

- Committee was apprised that for evacuation of about 60 MW of Small HEPs in Dodra Kwar area, one 33/132 kV sub station close to Rupin (45 MW) HEP and 132 kV D/C line from this sub station to 132/220 kV Sunda sub station are planned to be constructed with funds approved by Gol under Green Energy Corridor Scheme.
- Committee directed HPPTCL to complete the sub station and the connecting 132 kV line on priority to match with commissioning of Small HEPs.

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