



H.P. Power Transmission Corporation Limited
(A State Govt. Undertaking)
Himfed Bhawan, Panjari, Belo Old MLA Quarters,
Shimla-171005

No. HPPTCL/STU-Vol-V/2018-3066-93

Dated:- 11/06/18.

To

The Managing Director,
HPSEB Limited,
Vidyut Bhawan, Kumar House,
Shimla-171004.

Subject: - 46th Meeting of STU Coordination Committee held under the chairmanship of Addl. Chief Secretary (Power), GoHP at Shimla.

Sir:

46th meeting of STU Coordination Committee was held under the chairmanship of Addl. Chief Secretary (Power) on 29.5.2018 in the Committee room of the H.P. Govt. Secretariat has been postponed. Minutes of meeting are enclosed for information and necessary action please. Minutes are available on the official website of HPPTCL i.e. www.hpptcl.com.

Yours faithfully,


General Manager (Contract & Design)

Copy to:-

1. Sr. P.S. to Addl. Chief Secretary (Power), GoHP, Shimla-171002 for information of Addl. Chief. Secretary please.
2. Director, Energy Directorate, Shanti Bhawan, Phase-III, Sector-VI, New Shimla-171009 for information please.
3. Spl. Secretary (Power) to GoHP, Shimla-2 for information please.
4. Managing Director, HPPTCL, Himfed Bhawan, Panjari, Below Old MLA Quarters, Shimla-171005 for information please.
5. Director (Planning & Contracts), HPPTCL, Himfed Bhawan, Panjari, Below Old MLA Quarters, Shimla-171005 for information please.
6. Director (Projects), HPPTCL, Himfed Bhawan, Panjari, Below Old MLA Quarters, Shimla-171005 for information please.

7. Director (Electrical), HPPCL, Himfed Building, BCS, Shimla-171009 for information and necessary action please.
8. Sh. C.M. Walia, Secretary General, HPPF, Top Floor, Uttam Bhawan (near 103 Tunnel), Shimla-171004 (Ph: 0177-2810466) for information and necessary action please.
9. Chief Executive Officer, Himurja, Urja Bhawan, SDA Complex, Kasumpti, Shimla-171009 for information and necessary action please.
10. Superintending Engineer, HP Load Despatch Society, SLDC Complex, Totu, Shimla-11 for information and necessary action please.
11. M/S Kapil Mohan & Associates Hydro Power Private Limited, SCO 140-141, Sector-34 A, Chandigarh (UT) (Fax No. 0172-2602863) for information and necessary action please.
12. Sh. S.N. Kapur, Gyamba House, South End, Lane-IV, Sector-1, New Shimla-9 (Fax No. 0177-2670013) for information and necessary action please.
13. M/S NSL Tangnu Romai Power Generation Private Limited, B-127, First Floor, Sector-2, Noida-201301 (U.P) (Fax. No. 0177-2670297) for information and necessary action please.
15. M/S Sai Engg. Foundation, Sai Bhawan, Sector 4, New Shimla for information and necessary action please.
16. M/S Cosmos Hydro Power Private Limited, D-21, First Floor, Panchsheel Enclave, New Delhi-110017 for information and necessary action please.
17. M/S Bua Hydro watt Pvt. Ltd, Sai Bhawan, Sector-4, Shimla-171009 for information and necessary action please.
18. M/S Sahu Hydro Power Private Ltd., Registered Office at Opp. Ashamani & Rajneesh Hardware Shop, VPO Sarol, Tehsil & Distt. Chamba-176310 (HP) for information and necessary action please.
19. M/S Batot Hydro Power Limited, 26, Govind Mahal 86-B, NS Road, Marine Drive, Mumbai-400002, for information and necessary action please.
20. M/S Jalashakti Limited, House No. 135, Upper Julakari, Chamba-176310 for information and necessary action please.
21. M/S Belij Hydro Power Limited, 8-2-293/82/A/431/A, Road No. 22, jubilee Hills, Hyderabad, Telangana-500033 for information and necessary action please.

22. M/S IA Energy, D-17, Lane-I, Sector-1, New Shimla-171009 for information and necessary action please.
23. M/S Greenko Hatkoti Energy Pvt. Ltd, Plot No. 1071, Road No. 44, Jubilee Hills, Hyderabad-500033 for information and necessary action please.
24. M/S DLI Power (India) Private Limited, House No. 16, H.P. Officers Colony (West End), Panthaghati, Shimla-171009 for information and necessary action.
25. M/S GMR Bajoli Holi Hydro Power Private limited, Airport Building, 302, New Udan Bhawan complex, Near terminal-3, IGI Airport New Delhi-1100037 for information and necessary action please.
26. M/S Darjeeling Power Limited, Empire House, 3rd Floor, Dr. D.N. Road, Fort Mumbai-400001 (Fax No. 0177-2645108) for information and necessary action please.
27. M/S Kiunr Hydro project, Village Dhanotu, P.O. Mahadev, Tehsil Sunder Nagar, Distt. Mandi-174402 for information and necessary action please.
28. M/S Jagdambay Hydro Projects LLP, Village Guganh, P.O. Sach, Distt. Chamba for information and necessary action please.


General Manager (Contracts & Design)

**Summary Record of discussions in the 46th meeting of STU
Coordination Committee held on 29.5.2018 under the chairmanship
of Addl. Chief Secretary (Power)**

The 46th meeting of STU Coordination Committee was held on 29.5.2018 under the chairmanship of Addl. Chief Secretary (Power) in the Committee room of H.P. Govt. Secretariat to discuss various agenda items circulated vide HPPTCL letter No. HPPTCL/STU-Vol-V/2018-2217-47 dated 22.05.2018. The List of participants is as per **Annexure-I.** During the discussions, following decisions were taken/action noted:

1. **Progress Review of Various Transmission Projects in different river basins under implementation by HPPTCL :-**

- Progress of various ongoing transmission projects was reviewed and after detailed deliberations, commissioning schedules of various transmission projects were projected by HPPTCL.
- The list of transmission projects along with commissioning dates is as per **Annexure-II.**
- ACS (Power) directed HPPTCL to list out the problems which need to be resolved on priority and add it as a separate annexure to the record of discussions for monitoring in future meetings.

2. **220/66/22 kV Bhoktoo sub station:**

- Representative of Sai Engineering Foundation apprised the Committee that although the power of Small HEPs is being evacuated through Bhoktoo substation of HPPTCL yet the machines in their power houses trip during winters and when the 220 kV Kashang-Bhaba line is unloaded.
- M.D, HPPTCL explained that permanent solution to this problem is commissioning of 400/220/66 kV substation Wangtoo which is under construction. Interim solution is operation of machines of Kashang HEP in synchronous condenser mode. Since, these machines are not designed for such mode of operations, machines shall require

modifications and additional costs have to be incurred/shared.

- ACS (Power) directed that HPPTCL should explore and investigate all available options for voltage control at Bhoktoo and discuss the same with ACS (Power) & HPPCL may consult the manufacturers of machines for required modifications and come up with a solution within 15 days.

3. 66 kV switching station at Urni and 66 kV Urni-Wangtoo D/C line:

- Committee was apprised that 66 kV switching station at Urni in Distt. Kinnaur shall be ready for commissioning in 31.12.2018 but the 12 Km long 66 kV Urni-Wangtoo associated line is delayed and cannot be commissioned before 30.06.2019.
- Representative of Shaung HEP apprised that power of Shaung (3 MW) and Brua (9 MW) shall be evacuated through a single 66 kV joint line and they have completed their part of the line up to Brua HEP. Beyond Brua HEP, it is to be built jointly but the developer of Brua is not taking initiative to complete the left out portion.
- ACS (Power) directed HPPTCL to compress the schedule for completion of 66 kV Urni-Wangtoo line by April, 2019 and also directed the generators to complete their dedicated lines up to Urni by this time failing which the temporary connections allowed to them shall be removed.

4. 66/220/400 kV Substation at Wangtoo in Distt. Kinnaur

- M.D, HPPTCL informed the Committee that there is further slippage in commissioning of Wangtoo substation and on best effort basis commissioning could be possible in December, 2018. However, repair of the road to be done by PWD for cartage of transformers continues to be critical issue and can lead to further delay.
- ACS (Power) directed HPPTCL to ensure completion of Wangtoo substation in December, 2018 under all

circumstances by resorting to more intense monitoring and by vigorously taking up the road issue with PWD.

- HPPCL agreed to apply for long term open access to HPPTCL at the earliest for Kashang HEP.

5. Construction of 66/22 kV substation at Bagipul and 66 kV Bagipul-Kotla D/C line

- Committee was apprised that, HPPTCL has planned to implement 66/22 kV Bagipul substation in Nirmand area for evacuation of Small HEPs in Nirmand valley but none of the IPPs have come forth for seeking open access nor is the status of their commissioning known.
- ACS (Power) directed Energy Directorate to give assessment of likely completion dates of these Small HEPs.

6. Construction of 33/132 kV substation near Rupin HEP and 22/132 kV substation near Tangnu Romai HEP and 132 kV associated lines up to Sunda substation in Distt. Shimla by HPPTCL

- Committee was apprised that HPPTCL is implementing 2 Nos. 132 kV substations near Tangnu Romai HEP and near Rupin HEP with associated 132 kV lines from these substations to Sunda substation with funds covered in Green Energy Corridor-I (GEC-I) scheme of Govt. of India. Since, not even a single open access application has been received in these valleys; it is proposed to review the time lines of these assets.
- ACS (Power) enquired about the status of various projects to be evacuated through these lines. The representative of Rupin (45 MW) HEP apprised that FCA approval by REC, Dehradun has been received. Stage-I approval shall be obtained soon after. Representative of Tangnu Romai-I (44 MW) informed that 50% work has been completed.
- ACS (Power) directed IPPs to sign Long Term Open Access agreements and asked HPPTCL to expedite the work on its

substations and lines so as to meet the time lines fixed by the lending agencies.

7. Augmentation of 2nd 66/220 kV, 31.5 MVA transformer at Kotla and replacement of conductor of 66 kV Ghanvi-I- Kotla D/C line by HPSEBL:

- Director (Technical), HPSEBL informed the Committee that augmentation of 2nd 66/220 kV, 31.5 MVA transformer and replacement of conductor of 66 kV Ghanvi-I-Kotla D/C line shall be done by **15.6.2018**.

8. Evacuation arrangement for Salun (9 MW) and Kuwarsi-II (15 MW) SHEPs:

- Developer of Salun HEP (9 MW) and Kuwarsi-II (15 MW) SHEPs informed that Salun HEP in Distt. Chamba shall be commissioned in June, 2018 and Kuwarsi-II HEP shall follow in August, 2018. It was also apprised that their permanent connectivity is at 66/220 kV Heling substation which cannot be commissioned by the completion time lines of Salun & Kuwarsi-II HEPs. HPSEBL has granted interim connectivity to Salun at 33 kV but denied connectivity to Kuwarsi-II on the 2nd circuit between Holi and Gharola as it is being constructed with lower size conductor.
- ACS (Power) directed HPSEBL to study and come up with the proposal to construct 2nd circuit with WOLF conductor with in one week.
- ACS (Power) directed the developer of Salun HEP to go ahead with construction of 66 kV line from Salun PS to Heling substation at his own cost.
- M.D, HPPTCL apprised that there are issues in construction of Heling substation as the currently selected site is located in river terrace. In this context, HPPTCL is seeking consultancy from IIT, Roorkee and NIT Hamirpur/HPPCL. It was also apprised that after the recommendations of the consultant,

site shall be finalized and the route of 66 kV line from Salun PS to 66/220 kV substation of HPPTCL may undergo some changes.

- ACS (Power) directed that issue be resolved with in 10 days.

9. **Evacuation arrangements for Raura HEP (12 MW) in Distt. Kinnaur:**

Committee was apprised that Raura HEP (12 MW) has been granted interim connectivity at one circuit of 220 kV Kashang-Bhaba D/C line charged at 66 kV.

10. **Grant of Long Term Open Access to Upper Nanti HEP (13.5 MW):**

- Upper Nanti (13.5 MW) HEP has been denied open access at Kotla substation of HPSEBL till the commissioning of Wangtoo substation of HPPTCL.
- Developer of Upper Nanti HEP informed that there is a clause in the recently signed LTA agreement signed in respect of Nanti HEP which can force the IPP to back down in case of capacity constraints.
- ACS (Power) directed HPSEBL to sort out the issue with the IPP and apprise the Committee in its next meeting.

11. **Provision of 33 kV feeder bays at 33/220 kV Karian substation of HPPTCL:**

- HPPTCL apprised the committee that in the recently commissioned 33/220 kV Karian substation, 4 Nos. 33 kV bays have been allocated for IPPs: 2 bays for Kurtha HEP and 2 bays for 33 kV joint D/C line of IPPs from Dunali P.S to Karian via Jarangla. It was also apprised that while developer of Kurtha has paid for only one bay against allocation of 2 bays, IPPs have yet to complete 33 kV line from Jarangla to Karian leading to un-utilization of the allocated bays.
- Representative of Jal Shakti (Dunali HEP) informed that only 2.6 Km portion is left between Jarangla and Karian due to pending FCA.
- ACS (Power) directed that all such pending cases be brought to his notice immediately for expeditious disposal and where only

FRA certificate is sufficient, immediate disposal can be achieved.

- ACS (Power) also directed HPPTCL to explore alternatives instead of GIS bays for Small HEPs to limit the cost of bays to minimum.

12. Construction of 132 kV D/C Line from Chanju-I HEP to Mazra substation of HPPTCL:

- Committee was apprised that as per the transmission Plan for Ravi basin, there is a provision of 132 kV Chanju-I- Mazra D/C line in the event when the entire generation identified in the Tissa area comes up. HPPTCL has conducted load flow studies which indicate that this line is not required even after Chanju-III and Deonthal Chanju HEPs of HPPCL are commissioned.
- Representative of COSMOS insisted that work on this line needs to be taken up now to ensure its timely completion.
- ACS (Power) directed IPPs to meet Director (Planning & Contracts), HPPTCL to for clarifications regarding the matter.

13. IPPs' issues:

- IPPs apprised that HPSEBL is insisting to make provision of 3 breakers while giving connectivity to its existing line where as one breaker shall suffice and sometimes other two breakers are to be by-passed.
- Committee was also apprised that HPSEBL is charging very high charges for O & M of the bay allocated to IPPs in its substations. They requested that these charges should be same as per HPERC regulations for O & M of the power house.
- ACS (Power) directed HPSEBL to call the stake holders and resolve these issues.

Meeting ended with a vote of thanks to and from the chair.

Annexure-I

List of the Participants present in the 46th meeting of STU Co-ordination Committee held under the chairmanship of Addl. Chief Secretary (Power), GoHP on 29.5.2018 at Shimla.

HPPTCL

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|----|-----------------------|---------------------------------|
| 1. | Sh. R.K. Sharma- | Managing Director |
| 2. | Sh. K.S. Attri- | Director (Planning & Contracts) |
| 3. | Sh. Rajesh Singh- | Director (Projects) |
| 4. | Sh. Anup Dhiman- | General Manager (Projects) |
| 5. | Sh. Kaushlesh Kapoor- | General Manager (C & D) |
| 6. | Sh. Sandeep Sharma- | DGM (Planning/IT) |

HPSEB Limited

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|----|--------------------|----------------------------|
| 1. | Sh. B.M. Sud- | Director (Technical) |
| 2. | Sh. V.P. Singh- | Director (Operation) |
| 3. | Sh. S.K. Joshi- | Chief Engineer (SP) |
| 4. | Sh. Sanjeev Maria- | Dy. Chief Engineer (SP) |
| 5. | Sh. M.L. Sharma- | Addl. SE (System Planning) |

GoHP

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| 1. | Dr. Ajay Sharma- | Spl. Secretary (Power) |
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HPPF

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| 1. | Sh. C.M. Walia- | Secretary General |
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Energy Directorate

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| 1. | Sh. R.S. Chauhan- | Dy. Chief Engineer |
| 2. | Sh. Anshul Sharma- | Addl. SE |
| 3. | Sh. Deepak Dhiman- | AE |

HPPCL

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| 1. Sh. Udyan Ukhal- | GM (Electrical) |
| 2. Sh. M.S. Thakur- | GM (CP) |

HIMURJA

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| 1. Sh. Pradeep Bhanot- | Sr. P.O. |
| 2. Sh. Sanjeev Gautam- | Addl. SE |

M/S Cosmos Hydro Power Pvt. Ltd

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| 1. Sh. K.K. Vaidya- | G.M |
| 2. Sh. Satish Chauhan- | DGM (PR) |

M/S Sai Engineering Foundation

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|-------------------------|-----|
| 1. Sh. Raj Kumar Verma- | CEO |
| 2. Sh. H.S. Thakur- | GM |

M/S Astha Green Energy

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| 1. Sh. S.N. Kapur- | Director |
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M/S Darjeeling Power (P) Ltd

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| 1. Sh. Deepak Bhandari- | Manager |
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M/S SB Power (P) Ltd

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| 1. Sh. Rakesh Kumar - | Officer (HR) |
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M/S Chenab Power (P) Ltd

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| 1. Sh. Rajinder Kumar- | Director |
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M/S Batot Hydro Power Ltd

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| 1. Sh. Trilok Chauhan- | Director |
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M/S Jala Shakti (P) Ltd

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| 1. Sh. Mahashu Ram- | Liaison Officer |
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M/S IA Energies Pvt. Ltd

1. Sh. D.R. Sharma- Consultant

M/S DLI Power (P) Ltd

1. Sh. Vineet Thakur- Manager (Projects)

M/S Jagdambey Hydro Projects LLP

1. Sh. Rajesh Kumar Sharma- G.M

M/S Tangnu Romai Power Generation Pvt. Ltd

1. Sh. V. Venkat- Asst. Manager

M/S Vimla Hydro Power Pvt. Ltd

1. Sh. B.M. Khanna- Director

M/S Greenko Pvt. Ltd

1. Sh. Dharam Pal Reddy- G.M

2. Sh. Vinod Thakur- Manager

M/S PHPPL

1. Sh. Kamal Padha- Director

2. Sh. Kartik Upadhyay- Director

LIST OF PROBLEMS

1. To find out solution to contain over voltage resulting in trippings being faced by generators connected with 220/66/22 kV substation Bhoktoo during the winters and when unloaded.
2. To compress the commissioning schedule for construction of 66 kV Urni-Wangtoo D/C line by March/April-2019.
3. To ensure completion of 66/220/400 kV Wangtoo substation by 31.12.2018 by intensifying the monitoring and get the damaged road repaired by PWD.
4. To finalize the site of Heling 66/220 kV Heling substation which is currently located on river terrace and needs to be relocated.
5. LTA applications to be submitted by IPPs in Pabbar valley.
6. Road connectivity for 400/220/33 kV Lahal substation.