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भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत प्रणाली योजना एवं मूल्यांकन - I प्रभाग

Power System Planning & Appraisal - I Division

-As per list enclosed-

विषय: उत्तरी क्षेत्र की ट्रांसमिशन पर स्थायी समिति की दूसरी बैठक - अतिरिक्त एजेंडा

**Sub: 2nd Meeting of Northern Region Standing Committee on Transmission-
Additional Agenda**

Sir/ Madam,

In continuation of our letter of even no dated 2.11.2018, additional Agenda for 2nd Meeting of Northern Region Standing Committee on Transmission scheduled to be held on 13.11.2018 (Tuesday) at 11:30hrs at conference Room, NRPC Katwaria Sarai, New Delhi is available on CEA website: www.cea.nic.in (path to access – Home Page –Wing- Power System-PSPA-I- Standing Committee on Power System Planning- Northern region).

Yours faithfully,

रवीन्द्र गुप्ता

(Ravinder Gupta) 6/11/18

Chief Engineer

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1.	Member, Secretary, NRPC, 18-A Shajeed Jeet Singh Sansanwal Marg, Katwaria Sarai, New Delhi - 110016 (Fax-011-26865206)	2.	Director (W &P) UPPTCL, Shakti Bhawan Extn,3rd floor, 14, Ashok Marg, Lucknow - 226 001 (Fax:0522-2287822)	3.	Director (Projects) PTCUL, Vidhyut Bhawan, Near ISBT -Crossing, Saharanpur Road, Majra, Dehradun-248002. Uttarakhand Fax-0135-2645744
4.	Director (Technical), Punjab State Transmission Corporation Ltd. (PSTCL) Head Office The Mall Patiala -147001 Fax-0175-2304017	5.	Member (Power) BBMB, Sectot-19 B Madhya Marg, Chandigarh-1 60019 (Fax-01 72-2549857)	6.	Director (Operation) Delhi Transco Ltd. Shakti Sadan, Kotla Marg, New Delhi-110002 (Fax-01123234640)
7.	Director (PP&D) RVPN, 3 rd Floor, Room no 330, Vidhyut Bhawan, Janpath, Jaipur-302005. Fax:-0141-2740794 ce.ppm@rvpn.co.in	8.	Director (Technical) HVPNL Shakti Bhawan, Sector-6 Panchkula-134109 Fax-0172-256060640	9.	Director (Technical) HPSEB Ltd. Vidut Bhawan, Shimla -171004 Fax-0177-2813554
10.	Managing Director, HPPTCL, Barowalias, Khalini Shimla-171002 Fax-0177-2623415	11	Chief Engineer (Operation) Ministry of Power, UT Secretariat, Sector-9 D Chandigarh -161009 Fax-0172-2637880	12	Development Commissioner (Power), Power Department, Grid Substation Complex, Janipur, Jammu, Fax: 191-2534284
13.	Director (Projects) POWERGRID Saudamini Plot no. 2, Sector - 29. Gurgaon-122 001 (Fax-0124-2571809)	14	CEO, POSOCO B-9, Qutab Institutional Area, Katwaria Sarai New Delhi - 110010 (Fax:2682747)	15	COO (CTU) POWERGRID, Saudamini, Plot no. 2, Sector -29, Gurgaon-122 001 (Fax-0124-2571809)

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Additional Agenda for 2nd Meeting of Northern Region Standing Committee on 13-11-18

- 1.0 Energization of 220/33 kV substation Pirankaliyar and LILO of 220 kV Roorkee (Puhana PGCIL)- Roshnabad line in District Haridwar, Uttarakhand.**
- 1.1** PTCUL vide their letter dated 19.9.2018 had requested for in-principle approval for 220/33 kV (2x50 MVA) Pirankaliyar Substation and LILO of 220 kV Roorkee (Puhana PGCIL)- Roshnabad line, which were ready for the energization. PTCUL had also intimated that this project was envisaged in 2011. The approval of standing committee of CEA could not be taken at that time. The proposal for post facto approval of the standing committee would be put up in the forth coming meeting of standing committee.
- 1.2** CEA vide its email dated 22.9.2018 informed NRLDC that as far establishment of Pirankaliyar 220 kV substation is concerned, it has already been discussed and agreed in the 39th meeting of SCPSPNR held on 29th -30th May 2017. In that meeting, PTCUL has intimated the implementation of Roorkee (PG)-Pirankaliyar 220 kV D/C line along with Pirankaliyar 220 kV substation as intra state transmission system by PTCUL and members had noted the same. For feeding additional load at Pirankaliyar, one no. of 1x500 MVA, 400/220kV transformer along with associated bays at Roorkee (PG) 400/220kV Substation was also agreed as an ISTS scheme. As per PTCUL, the agreed line Roorkee (PG) - Pirankaliyar 220 kV D/C line is under implementation and there were some RoW issues, whereas the substation is ready for charging by LILO of Roorkee (Puhana)-Roshnabad 220 kV line. They have sought approval for energization of the sub-station through LILO of Roorkee (Puhana)- Roshnabad 220 kV line.
- 1.3** As establishment of Pirankaliyar 220 kV substation and corresponding ICT augmentation at Roorkee under ISTS has already been agreed in the 39th SCPSPNR. Therefore, CEA had requested NRLDC to consider energisation of Pirankaliyar 220 kV S/S by LILO of Roorkee (Puhana)- Roshnabad 220 kV line, as requested by PTCUL.
- 1.4** CEA also pointed out that the first meeting of the Northern Region Standing Committee on Transmission was held on 11.09.2018, wherein PTCUL could have taken the approval for energisation of Pirankaliyar 220 kV substation by LILO of Roorkee (Puhana) - Roshnabad 220 kV line. In the meeting also, it was specifically pointed out that post facto approval by constituents needs to be avoided. PTCUL was advised to take approval all its intrastate schemes from the NRSCT in advance.
- 1.5** NRSCT may please concur charging of Pirankaliyar 220/33 kV (2x50 MVA) substation through LILO of 220 kV Roorkee (Puhana) (PGCIL) - Roshnabad line.
- 2.0 Power Evacuation of the projects in Chenab Basin and establishment of 400/132kV substation at Kishtwar:**

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- 2.1 Chenab Valley Power Projects Ltd. (CVPPL), (JV of NHPC, JKSPDC and PTC) is implementing 1000 MW Pakaldul, 624 MW Kiru and 540 MW Kwar HEPs in Kishtwar district of J&K. In the 40th meeting of SCPSNR held on 26.7.2018, CVPPL informed that for Pakal Dul HEP, out of five packages, two packages had been awarded. The commissioning schedule for Pakaldul HEP is March 2024. For Kiru project, the Investment Approval (IA) is awaited and commissioning schedule for project is 54 months after IA. For Kwar project, the tender for award of first package is under evaluation. Therefore, M/s CVPPL had made request for establishment of 400/132kV S/s at Kishtwar to provide construction power (approx. 40MW) for Pakaldul HEP (1000MW), Kiru (624 MW) and Kwar (540 MW). However, it was decided that various activities like identification of suitable site for establishment of Kishtwar pooling station, phasing of the identified evacuation system etc would be taken up only after application for connectivity / LTA by the project developer.
- 2.2 CVPPL vide their letter dated 16.10.2018 has informed that the application for grant of connectivity for Pakaldul HEP project has been submitted to CTU and requested to expedite the power evacuation plan of the projects in Chenab Basin and firming up the establishment of 400/132kV S/s at Kishtwar.
- 2.3 In the 31st meeting of SCPSNR for evacuation of power from Kiru, Kwar and Pakal Dul HEP following transmission system was identified as part of master plan for evacuation of power from HEPs in Rabi basin in J&K and Himachal Pradesh:

☐ Kiru HEP (660 MW):

- ☐ 400 kV D/c (Triple HTLS Conductor –Equivalent to about 2300MW) line from Kiru HEP – Kishtwar Pooling station (High capacity common corridor-II)
- ☐ Switchyard Capacity etc. must be able to handle about 2300MW power generated by the generation projects located in downstream of the Kiru HEP. It is proposed that the GIS switchyard equipment and XLPE cables provided may be designed for carrying 4000 Amps current.
- ☐ 400 kV, 125 MVAR Bus Reactor

☐ Kwar HEP (560 MW):

- ☐ LILO of one circuit of 400 kV D/c (Triple HTLS Conductor –Equivalent to about 2300MW) line from Kiru HEP – Kishtwar Pooling station
- ☐ Switchyard Capacity etc. must be able to handle about 2300MW power generated by the generation projects located in downstream of the Kiru HEP. It is proposed that the GIS switchyard equipments and XLPE cables provided may be designed for carrying 4000 Amps current.
- ☐ 400 kV, 125 MVAR Bus Reactor

☐ Pakaldul HEP (1000 MW):

- ☐ LILO of one circuit of 400 kV D/c (Triple HTLS Conductor –Equivalent to about 2300MW) line from Kiru HEP – Kishtwar Pooling station

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- ☐ Establishment of 400 kV switching station at Kishtwar (establishment of Kishtwar pooling station has also been proposed with Himachal Projects).
 - ☐ Establishment of 400/220 kV, 2x315 MVA substation near Gurdaspur/Sirhand by LILO of both circuits of 765 kV (operated at 400 kV) Kishenpur – Moga S/c lines.
 - ☐ 765 kV Kishtwar- Gurdaspur/Sirhand D/c line (to be operated at 400 kV initially)
 - ☐ Switchyard Capacity etc. must be able to handle about 2300MW power generated by the generation projects located in downstream of the Kiru HEP. It is proposed that the GIS switchyard equipment and XLPE cables provided may be designed for carrying 4000 Amps current.
 - ☐ 400 kV, 125 MVAR Bus Reactor
- 2.4 CTU may furnish the status of the grant of connectivity / LTA applications from the above hydro projects.
- 2.5 Members may deliberate.

