



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

संख्या: NRPC/OPR/107/01/2019/15565-603

दिनांक: 20.12.2019

विषय: उत्तर क्षेत्रीय विद्युत समिति की संरक्षण उप-समिति की 39 वीं बैठक में लिए गए निर्णयों का सार ।

Subject: Gist of decisions taken in the 39th PSC meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की संरक्षण उप-समिति की 39^{वीं} बैठक 18.12.2019 को आयोजित की गयी। उक्त बैठक के एजेंडा A.1 से A.7 में लिए गए निर्णयों का सार अनुलग्नक-I में संलग्न है।

39th meeting of the Protection Sub-Committee of NRPC was held on 18.12.2019. The Gist of the decisions taken in this meeting in respect of Agenda A.1 to A.7 are enclosed in Annexure-I.

संलग्नक: यथोपरि

(सौमित्र मजूमदार)

अधीक्षण अभियंता (प्रचालन)

सेवा में : संरक्षण उप-समिति के सदस्य (सूची के अनुसार) ।

To: Members of Protection Sub-Committee (As per List)

Gist of decisions taken in the 39th PSC Meeting dt. 18.12.2019

Agenda No. 1: Confirmation of minutes

Protection Sub-Committee confirmed the minutes of 38th Protection sub-committee meeting.

Agenda No. 2.1: Database of protection settings

Members were informed that protection setting database format is available at <https://nrpc.gov.in/data-formats>. In the meeting, it was decided to start data collection in a phase manner by initially collecting protection setting data for 400 kV & above lines as well as ICTs. States and concerned transmission utilities were requested to submit 400kV & above data to NRPC Sectt. in the prescribed format by 10th January 2019.

It was also decided that a Nodal officer will be nominated from each utility/state who will co-ordinate for submitting new as well as updating the settings. The nomination of the nodal officer to be submitted by 25th December 2019.

It was also decided that a visit to NTAMC, Manesar may be scheduled in the 1st week of January 2020 by a team of NRPC, NRLDC and POWERGRID to study the available infrastructure with POWERGRID to monitor and access protection relays remotely.

Agenda No. 3: Final report of the Committee to suggest measures for bringing improvement in the field of Power System Protection among the utilities in Northern Region

Members were apprised that 2nd batch of 50 participants for each Level-2 and Level-3 Power System Protection training (classroom as well as hands-on) is being planned from 3rd week of January 2020 at PAL, Manesar as deliberated and approved in 44th TCC/47th NRPC meetings held on 10th /11th December 2019.

In the meeting, it was decided that maximum 02 Nos. of nominations from each utility/organization may be submitted to NRPC Sectt. (email: seo-nrpc@nic.in), latest by 30th December, 2019. It was requested to all members to nominate those engineers who are working in the power system protection field for more than one year.

It was also decided that entire training program will be organized in four batches (2 batches each for Level-2 and Level-3 training) with sufficient time gap and Level-3 training will be conducted after completion of Level-2 training of two batches.

Agenda No. 4: Persistent surge problem encountered by KWHEP since commissioning of Kala Amb substation (Agenda by KWHEP)

KWHEP representative informed that Karcham Wangtoo – Kala Amb line has been LILOed at 400 kV Wangtoo (HP) substation and line length of 400kV Karcham Wangtoo – Wangtoo (HP) substation is around 900 mtrs only. It was also informed that increase in LA counter was not observed in the recent 2-3

operations. It was decided that this issue may be taken up in next meetings only if persistent surge problem is reported by Wangtoo (HP).

Agenda No. 5: Oil leakage and High current/Overheating in Line reactor NGR (Agenda by NPCIL)

NPCIL representative informed that study has been carried out and it was observed that for a perfectly transposed transmission line, zero sequence current and voltages does not appear in the line or NGR. He requested that transposition details of 400kV Kota – Jaipur (S) line may be shared with NPCIL.

POWERGRID representative informed that such issues might have observed due to ferro-resonance. He assured that complete details of 400kV Kota – Jaipur (S) line will be shared with NPCIL. He requested NPCIL that study report and PSCAD simulation model may be shared with POWERGRID for further studies.

NPCIL representative highlighted that operational modalities need to be finalized for 63 MVAR reactor at RAPP as well as 125 MVAR reactor at Jaipur (S). In this regard, it was decided that agenda may be brought up by NPCIL in the forthcoming OCC meeting.

Agenda No. 6.6: Status of Bus Bar protection

Delhi representative informed that P.O. for 26 Nos. of substations has been awarded and out of which scheme at 05 Nos. of substations have been commissioned. Other utilities were requested to submit the updated status at the earliest.

Agenda No. 6.7: CERC order on Petition No. 9/SM/2014 and 10/SM/2014

It was decided that NRPC Sectt. will again share the complete list of delayed clearance faults during April'14 to March'16 and utilities (except Central and East North Zone of UPPTCL, NJHPS, POWERGRID, NHPC, DTL and RRVPNL) shall submit the detailed report along with remedial measures taken/being taken by 01st January 2020.
