



सत्यमेव जयते

भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

उत्तर क्षेत्रीय विद्युत समिति

Northern Regional Power Committee

संख्या: NRPC/OPR/107/01/2020/2116 - 2154

दिनांक: 03.03.2020

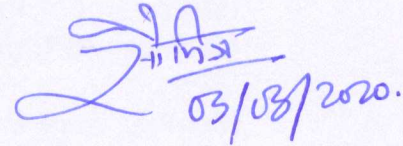
विषय: उत्तर क्षेत्रीय विद्युत समिति की संरक्षण उप-समिति की 40 वीं बैठक में लिए गए निर्णयों का सार ।

Subject: Gist of decisions taken in the 40<sup>th</sup> PSC meeting of NRPC.

उत्तर क्षेत्रीय विद्युत समिति की संरक्षण उप-समिति की 40<sup>वीं</sup> बैठक 02.03.2020 को आयोजित की गयी। उक्त बैठक लिए गए निर्णयों का सार अनुलग्नक-I में संलग्न है।

40<sup>th</sup> meeting of the Protection Sub-Committee of NRPC was held on 02.03.2020. The Gist of the decisions taken in this meeting are enclosed in Annexure-I.

संलग्नक: यथोपरि

  
03/03/2020

(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 40<sup>th</sup> PSC Meeting dt. 02.03.2020**

**Agenda No. 1: Confirmation of minutes**

Protection Sub-Committee confirmed the minutes of 39<sup>th</sup> Protection sub-committee meeting.

**Agenda No. 2.1: Database of protection settings**

Members were apprised about the status of nodal officer, protection setting data submitted and observations during the site visit to NTAMC, Manesar.

It was decided that DO letter to top management of utilities will be written for early submission of details of Nodal officer who will co-ordinate for submitting new as well as updating the protection relay settings database.

Rajasthan and UP were requested that relay settings to be submitted through nodal officer after due verification and may not be submitted separately for each zone/circle.

It was also decided that it is necessary to have a web based protection setting database which can be updated by utilities periodically. In this regards, separate meeting to be held by NRPC, NRLDC, POWERGRID to freeze up the format for protection relay setting in which database can be created.

**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**

Member were informed that 1<sup>st</sup> and 2<sup>nd</sup> batch of Level – 2 training program has been successfully held from 03<sup>rd</sup> February, 2020 to 07<sup>th</sup> February, 2020 for 26 participants and 24<sup>th</sup> February to 28<sup>th</sup> February, 2020 for 23 participants respectively, at PAL, Manesar.

It was decided that 2 batches of Level – 3 training program may be held in the month of April, 2020.

**Agenda No. 4.1: Non- availability/defective PLCC link of STU Lines terminated at POWERGRID (NR-2) substations**

Representative of PSTCL informed that installation, commissioning as well as end to end testing for 220 kV Verpal – I line has been completed.

**Agenda No. 4.2: Islanding schemes of NR**

Members were informed that enquiry committee on grid disturbance has recommended to design islanding scheme based on frequency sensing relays so that in case of imminent grid failure, electrical islands can be formed.



It was decided that details of generation and feeder wise quantum of load during islanding along with feeder wise quantum of load shedding by UFR to be submitted by 05.03.2020. Further, Punjab and UP (Unchahar scheme) were requested to submit the islanding schemes by 04.03.2020.

Rajasthan clarified that details being submitted for islanding of RAPP – A, B wherein Mahi HPS is excluded. It was also deliberated that islanding scheme for Kawai-Kalisindh-Chhabra generation complex may also be planned.

Further, it was decided that separate meeting to be held by NRLDC for proposed islanding scheme of Kashmir Valley.

**Agenda No. 6: Frequent Tripping of 220kV Alsteng-Leh Transmission line leading tripping of Nimoo Bazgo & Chutak Power Stations. (Additional Agenda by NHPC)**

NHPC representative informed that 220kV Alsteng-Kargil-Leh line is highly unstable and trips very frequently leading to tripping of NHPC generating units and generation loss and highlighted trippings from 01.02.2020 to 15.02.2020. NRLDC informed that during this period 220 kV Alsteng-Leh grid was connected to main grid at 132 kV level and trippings were due to mismatch of load and generation since there was restriction on drawal of power from main grid. NRLDC further informed that 220kV Alsteng-Leh has been now connected to main Grid at 220kV level on 15.02.2020. It was highlighted that only 01 no. tripping has been observed since 15.02.2020.

It was decided that issue may be discussed in next meeting only if substantiate trippings are observed in future.

**Agenda No. 7: Increased fault level at Bawana (Table agenda by IPGCL/PPCL)**

PPCL representative informed that fault level as high 62 kA was observed during fault on 11.02.2020. NRLDC requested PPCL to submit DR and other event details for detailed examinations.

It was decided that NRLDC will carry out the studies for increased Fault Level considering network change in Delhi network.

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