Additional Agenda for 55th Consultation Meeting for Evolving Transmission Schemes in North Eastern Region

1. Modification of scope of works under already approved NERES-XXX scheme

1.1. In the 51st CMETS-NER meeting the matter regarding revised scope of works was agreed to be implemented under NERES-XXX scheme. Further, Upon issuance of the minutes of the 51st CMETS-NER, NEEPCO vide email dated 23-02-2026 has provided following comments:

"In the MOM under point 3.10 it is recorded that, "It was agreed in the meeting that as the Panyor Lower (Ranganadi) HEP switchyard is owned by NEEPCO, any upgradation required as per NEEPCO's inputs shall have be carried out by NEEPCO in matching time-frame of ISTS scope under NERES XXX. From NEEPCO and POWERGRID inputs referred above, it emerges that NEEPCO needs to replace interconnecting Single Moose conductor & associated hardware and other requisite equipment at Panyor Lower (Ranganadi) HEP switchyard so as to match for ampacity of Ranganadi (NEEPCO) – Ziro (POWERGRID) 132kV S/c HTLS line [ampacity of 900A (at nominal voltage level)].

This is not agreed by NEEPCO. As it is a system requirement, and PLHPS (RHEP) 132kV Switchyard was commissioned in the year 2002, the switchyard was accordingly designed at that time. Since a new requirement has been anticipated, the expenditure should be booked under the "approved NERES-XXX scheme" and the implementation agency should be the augmentation agency of the single circuit 132kV PLHPS- Ziro line. The same should not be imposed on NEEPCO."

1.2. Accordingly, matter was deliberated in the 52nd CMETS-NER and it was deliberated that in order to avoid any challenges in operation and implementation it is prudent that small upgradation works which have been planned at NEEPCO's Panyor Lower (Ranganadi) HEP switchyard may be taken up for implementation by NEEPCO itself. However, NEEPCO proposed that implementation of such minor upgradation work may be challenging to award. Nevertheless, NEEPCO proposed that the works may be planned under ISTS itself.

1.3. Further, it was also decided that the matter regarding extension works at Panyor Lower (Ranganadi) HEP (NEEPCO) generation switchyard associated with reconductoring of Panyor Lower (Ranganadi) HEP (NEEPCO) – Ziro (POWERGRID) 132kV S/c line shall be deliberated at the RPC level with all stakeholders and based on the outcome in the meeting the said scheme shall be deliberated in the future CMETS-NER meeting.

1.4. Based on the decision taken in the 52nd CMETS-NER matter was deliberated in the RPC level meeting held on 26-03-2026 wherein it was decided that NEEPCO shall review the details of equipment at their switchyard and need for upgradation works at Panyor Lower HEP and POWERGRID shall examine the same and share broad tentative cost of the upgradation works. Accordingly, matter shall be deliberated in future CMETS-NER meeting for finalization of scope.

1.5. POWERGRID vide email dated 24-04-2026 and its continuation mails has mentioned that the existing equipment of the Ziro bay and the existing bus coupler bay, along with their interconnections, are suitable to handle a current rating of 900 A. Only the equipment interconnections/jack bus associated with the 132 kV Ziro bay would require replacement. Accordingly, hardware requirement associated with 132kV line bay at Panyor Lower (Ranganadi) HEP switchyard for reconductoring of Ranganadi/Panyor Lower (NEEPCO) – Ziro (POWERGRID) 132kV S/c with HTLS conductor [ampacity of 900A] has been considered. Further, POWERGRID vide emails dated 18-05-2026 & 21-05-2026 has shared the tentative cost and its breakup for erection hardware associated with the 132kV line bay at Panyor Lower (Ranganadi) switchyard to commensurate with the HTLS conductor of 900A with NEEPCO, NERPC and CTU.

1.6. It is learnt that the matter was discussed in the 238th OCC meeting held on 15-05-2026 (minutes awaited) wherein, all members including NERPC noted that the upgradation works at Panyor Lower switchyard needs to be carried out by the owner of the equipment viz. NEEPCO considering ease in implementation, O&M and shutdown requirement during the implementation phase. **NEEPCO may update.**

1.7. Earlier based on the discussion held in the 36th CMETS-NER, the NERES-XXX was agreed to be implemented with a completion schedule of 24 months and same was allocated to POWERGRID vide CTU OM dated 03-09-2025 for implementation.

1.8. Based on the above, considering the additional scope of works in this scheme as deliberated in the 51st CMETS-NER, following scope of work is being proposed for implementation under ISTS NERES-XXX scheme with completion schedule of 24 months from date of fresh allocation:

Sl. No.	Scope of works	Capacity/km
(a)	Reconductoring of ISTS portion of Balipara (POWERGRID) – Sonabil (AEGCL) ckt-I 220kV line owned by POWERGRID with HTLS conductor of ampacity 1050A (at nominal voltage level)	8.623
(b)	Reconductoring of ISTS portion of Balipara (POWERGRID) – Sonabil (AEGCL) ckt-II 220kV line owned by POWERGRID with HTLS conductor of ampacity 1050A (at nominal voltage level)	9.205
(c)	Reconductoring of Silchar (POWERGRID) – Srikona (AEGCL) 132kV D/c line owned by POWERGRID with HTLS conductor of ampacity 900A (at nominal voltage level)	1.119
(d)	Reconductoring of Panyor Lower (Ranganadi) HEP (NEEPCO) – Ziro (POWERGRID) 132kV S/c line owned by POWERGRID with HTLS conductor of ampacity 900A (at nominal voltage level)	44.52
(e)	Extension at Balipara (POWERGRID) S/s	▪ Replacement of Interconnections, droppers including clamps & connectors commensurate with ampacity of HTLSconductor in 220kV line bay associated with Balipara (POWERGRID) – Sonabil (AEGCL) ckt-I ▪ Replacement of Interconnections, droppers including clamps & connectors commensurate with ampacity of HTLS conductor in 220kV TBC & BC bays
(f)	Extension at Silchar (POWERGRID) S/s	▪ Replacement of Existing equipment interconnection/jack bus commensurate with ampacity of HTLS conductor in 132kV line bays associated with Silchar (POWERGRID) – Srikona (AEGCL) 132kV D/c line
(g)	Extension at Srikona (AEGCL) S/s	▪ Replacement of CT and associated erection hardware commensurate with ampacity of HTLS line in 132kV line bays associated with Silchar (POWERGRID) – Srikona (AEGCL) 132kV D/c line.

Sl. No.	Scope of works	Capacity/km
(h)	Extension at Ziro (POWERGRID) S/s	▪ Replacement of Main bus and Transfer bus along with associated erection hardware commensurate with ampacity of HTLS conductor ▪ Replacement of CT and associated erection hardware commensurate with ampacity of HTLS conductor in 132kV line bay associated with Panyor Lower (Ranganadi) HEP (NEEPCO) – Ziro (POWERGRID) 132kV S/c line ▪ Replacement of CT and associated erection hardware commensurate with ampacity of HTLS conductor in 132kV TBC bay

1.9. Further, following scope of work is also required to be implemented by AEGCL and NEEPCO in matching timeframe of ISTS works under NERES-XXX i.e. 24 months from date of fresh allocation:

A. By AEGCL under intra-state scheme

(i) Reconductoring of AEGCL portion of Balipara (POWERGRID) – Sonabil (POWERGRID) ckt-I 220kV line with HTLS conductor of ampacity 1050A (at nominal voltage level) (2.495km).

(ii) Reconductoring of AEGCL portion of Balipara (POWERGRID) – Sonabil (POWERGRID) ckt-II 220kV line with HTLS conductor of ampacity 1050A (at nominal voltage level) (2.495km).

(iii) Extension at Balipara (POWERGRID) S/s:

- In 220kV line bay associated with Balipara (POWERGRID) – Sonabil (POWERGRID) ckt-II: Interconnections, droppers including clamps & connectors need to be changed commensurate with ampacity of HTLS line.

(iv) Extension at Sonabil (AEGCL) S/s:

- In 220kV line bays associated with Balipara (POWERGRID) – Sonabil (POWERGRID) ckt-I and ckt-II: Replacement of CTs along with replacement of interconnections, droppers including clamps & connectors commensurate with ampacity of HTLS line.

(v) Extension at Srikona (AEGCL) S/s:

- Upgradation of 132kV level Main Bus, Transfer Bus, and TBC bay (all requisite equipment in TBC bay) at Srikona (AEGCL) S/s commensurate with ampacity of Silchar (POWERGRID) – Srikona (AEGCL) 132kV D/c HTLS (Single HTLS of 900A at nominal voltage) line.

B. By NEEPCO

i. Extension at Panyor Lower (Ranganadi) HEP switchyard:

- Replacement of interconnecting Single Moose conductor & associated hardware and other requisite equipment at Panyor Lower (Ranganadi) HEP switchyard so as to match ampacity of Ranganadi (NEEPCO) – Ziro (POWERGRID) 132kV S/c HTLS line [ampacity of 900A (at nominal voltage level)].

1.10. Matter may be deliberated.