भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केंद्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग-II

Power System Planning & Appraisal Division-II

To

-As per enclosed list-

विषय: "राष्ट्रीय पारेषण समिति" (एनसीटी) की 9 वीं बैठक के कार्यवृत्त का शुद्धिपत्र

Subject: Corrigendum to the minutes of the 9th meeting of "National Committee on Transmission" (NCT)

Sir/Madam,

The 9th meeting on National Committee on Transmission (NCT) was held on 28.09.2022. Minutes of the meeting were issued vide CEA letter No. CEA-PS-12-13/3/2019-PSPA-II Division dated 01.11.2022

CTUIL and POSOCO made some observations on the minutes in the 10th meeting of NCT held on 07th November, 2022. Accordingly, corrigendum to the minutes of the 9th meeting of National Committee on Transmission held on 28.09.2022 is enclosed.

18.11.2022

(ईशान शरण/Ishan Sharan)
मुख्य अभियंता /Chief Engineer &
Member Secretary (NCT)

Copy to:

Joint Secretary (Trans), Ministry of Power, Shram Shakti Bhawan, New Delhi-110001

List of Addresses:

1.	Chairperson, Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	2.	Member (Power System), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.
3.	Member (Economic & Commercial), Central Electricity Authority Sewa Bhawan, R.K. Puram, New Delhi – 110 066.	4.	Director (Trans), Ministry of Power Shram Shakti Bhawan, New Delhi-110001.
5.	Sh. Dilip Nigam, Scientist 'G', MNRE, Block no. 14, CGO Complex, Lodhi Road, New Delhi – 110003	6.	Chief Operating Officer, CTUIL, Saudamini, Plot No. 2, Sector-29, Gurgaon – 122 001.
7.	Sh. Rajnath Ram, Adviser (Energy), NITI Aayog, Parliament Street, New Delhi – 110 001.	8.	CMD, POSOCO, B-9, Qutub, Institutional Area, Katwaria Sarai, New Delhi – 110010
9.	Dr. Radheshyam Saha, Ex. Chief Engineer, Central Electricity Authority		

Corrigendum to the minutes of the 9th meeting of "National Committee on Transmission" (NCT)

1. **Para 4.3.3 is modified as:**

"4.3.3 CTUIL clarified that in this particular instance, ampacity of 1228A (using HTLS) can be achieved for existing line implemented with maximum conductor temperature of 75°C and ampacity of 1400A (using HTLS) can be achieved for existing line implemented with maximum conductor temperature of 85°C. As all four circuits are of similar line length, loading on these circuits shall be in similar range and would be limited to 1228A. Accordingly, all four circuits are planned to be reconductored with HTLS of 1228A."

2. **Para 4.3.5 (a) is modified as:**

"4.3.5 (a)Reconductoring of Jharsuguda/Sundargarh (PG) – Rourkela (PG) 400kV 2xD/c Twin Moose line (approx. 540ckm) with Twin HTLS conductor (with ampacity of single HTLS as 1228 A at nominal voltage)"

3. **Para 4.4.3 is modified as:**

"4.4.3 CMD, POSOCO, stated that even after augmentation of ICTs at Kallam by 2x500 MVA, 400/220kV ICTs, Kallam substation will not fulfill 'N-1' criteria. Further connectivity/LTA at Kallam PS may be granted only after approval of additional ICT (required for N-1 compliance) and operationalized after commissioning of the same."

4. **The following bullet is added to Sl.No.1 of table of Para 4.5.4 (Part A) Future Provisions: space for:**

- "220 kV BC (2 no.) and 220 kV TBC (2 no.)"

5. **Para 5.1.2 is modified as:**

"5.1.2 CTU stated that the Stage-II Connectivity and LTA for 2600MW has already been granted at Ramgarh PS. Further, Adani Renewable Energy Park Rajasthan Ltd. (AREPRL) are in process of developing 2GW Solar Park proposed to be connected at Ramgarh PS and they have requested to enhance the transmission system capacity of Ramgarh PS by minimum 5GW. EHVAC transmission system (Rajasthan REZ Phase-III transmission scheme) for 14GW RE potential is already under bidding. Implementation of HVDC shall facilitate evacuation of additional 6GW RE potential as well as help in evacuation of additional power from Ramgarh PS."

6. **After para 5.1.4, following para is added:**

"CMD, POSOCO stated that all HVDCs to be conceived in future should have ability to operate at full capacity in either direction. At Bhadla-III end of the proposed Bhadla-III - Fatehpur HVDC, system strength will be shared by both HVDC as well as RE plants connected at the station.

7. **Following Note is added at the end of para 5.1.5:**

Note:

1. Developer of Bhadla-III S/s to provide space for 4 nos. of 400kV bays at their substation
2. The line lengths mentioned above are approximate as the exact length shall be obtained after the detailed survey

8. Para 5.3.3 is modified as:

Scope of works: North Eastern Region Expansion Scheme-XVI (NERES-XVI)

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / line length (km)/ Nos.
i.	Establishment of Gogamukh 400/220/132kV substation **Additional space for future expansion**: - 400/220kV, 1x500MVA ICT - 1 no. (along with associated bays at both levels) - 220/132kV, 1x200MVA ICT - 1 no. (along with associated bays at both levels) - 420kV, 1x125MVAr bus reactor along with associated bays - 12 nos. of 400kV line bays for future lines • 4 nos. of 400kV line bays for termination of Dibang – Gogamukh 2xD/c lines • 2 nos. of 400kV line bays (along with 2x80MVAr switchable line reactor) for termination of Gogamukh – Biswanath Chariali 400kV D/c (Quad) line • 6 nos. of 400kV line bays (along with switchable line reactor) for future lines - 6 nos. of 220kV line bays for future	500MVA, 400/220kV ICT: 2 nos. 200MVA, 220/132kV ICT: 2 nos. 420kV, 125MVAr Bus reactor: 2 nos. 400kV ICT bays: 2 nos. 220kV ICT bays: 4 nos. 132kV ICT bays: 2 nos. 400kV Bus reactor bays: 2 nos. 220kV Bus coupler bay: 1 no. 220kV Transfer bus coupler bay:1 no. 132kV Transfer bus coupler bay: 1 no. 400kV line bays: 4 nos. *[for termination of LILO of one D/c line (ckt-1 & ckt-2 of line-1) of Lower Subansiri - Biswanath Chariali 400kV (Twin Lapwing) 2xD/c lines]* 220kV line bays: 2 nos. *[for termination of Bihpuria – Gogamukh 220kV D/c line (line to be*

Sl. No.	Scope of the Transmission Scheme	Capacity (MVA) / line length (km)/ Nos.
	lines - 6 nos. of 132kV line bays for future lines - 220kV Bus sectionalizer bay :1 set - 220kV Bus coupler bay: 1 no. - 220kV Transfer bus coupler bay:1 no. - 132kV Bus sectionalizer bay :1 set - 132kV Transfer bus coupler bay:1 no.	*implemented by AEGCL)]* 132kV line bays: 4 nos. *[2 no. for termination of LILO of one circuit of North Lakhimpur – Dhemaji 132kV new D/c line (LILO to be implemented by AEGCL) &* *2 no. for termination of Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132kV D/c line]*
ii.	Extension works at Gerukamukh (Arunachal Pradesh) 132kV S/s	132kV line bays: 2 nos. *(for termination of Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132kV D/c line)*
iii.	Gogamukh (ISTS) – Gerukamukh (Arunachal Pradesh) 132kV D/c (Zebra) line	*20km*
iv.	LILO of one D/c (ckt-1 & ckt-2 of line-1) of Lower Subansiri – Biswanath Chariali 400kV (Twin Lapwing) 2xD/c lines at Gogamukh S/s	*20km*

Note:

a) Lower Subansiri – Biswanath Chariali 400kV (Twin Lapwing) D/c line is under implementation by POWERGRID and is expected to be commissioned shortly.

b) DoP, Arunachal Pradesh to provide space at Gerukamukh (Arunachal Pradesh) S/s for implementation of 2 no. 132kV line bays.

c) Bihpuria (AEGCL) – Gogamukh (ISTS) 220kV D/c line is to be implemented by AEGCL.

d) LILO of one circuit of North Lakhimpur (AEGCL) – Dhemaji (AEGCL) 132kV new D/c line is to be implemented by AEGCL.

e) The line lengths mentioned above are approximate, as the exact length shall be obtained after detailed survey.

9. **In the table under Para 5.6.1 (Transmission system for evacuation of power from Chhatarpur SEZ (1500 MW)) sub-point (iii) in column 'Scope of the Transmission Scheme (Revised)' is replaced with following:**
'(iii) 5 nos. 220kV line bays for solar park interconnection'

10. **First bullet under Western Region of Para 6.2 is replaced with following:**

- 'Supply and installation of OPGW on 400 kV Bachau (PG)- EPGL line (to be LILOed at Lakadia)'

11. **The following is added in SI No. 5 of Table 4.2 under the heading Summary of the deliberations of the 09th NCT meeting held on 28.09.2022:**
- LILO of both circuits of 765kV Varanasi-Kanpur (GIS) D/c line at Fathepur (~30km)

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