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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

सेवा में/To,

संलग्न सूची के अनुसार/As per list enclosed

विषय : नीपको की बलिपारा-खुपी-किमी 132 केवी एस/सी ट्रांसमिशन लाइन और इसके संबंधित सबस्टेशन, बे एवं आईसीटी अरुणाचल प्रदेश को सौंपने एवं अरुणाचल प्रदेश में दिक्षी एच.ई.पी. (24 मेवा) की कनेक्टिविटी पर चर्चा करने के लिए 10.10.2018 को आयोजित बैठक के कार्यवृत्त ।

Subject: Minutes of the meeting held on 10.10.2018 to discuss about handing over the assets of NEEPCO viz. Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations, bays and ICTs at substations and Connectivity of Upcoming Dikshi HEP (24MW) in Arunachal Pradesh.

महोदय/sir,

The Minutes of the meeting held on 10.10.2018 at CEA, New Delhi to discuss about handing over the assets of NEEPCO viz. Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations, bays and ICTs at substations to Arunachal Pradesh and Connectivity of Upcoming Dikshi HEP (24MW) in Arunachal Pradesh are enclosed herewith.

MOM issued vide letter no. I/2697/2018(4) dated 30.10.2018 may be treated as withdrawn.

भवदीय/yours faithfully,

(बी.एस. बैरवा/B.S. Bairwa)

निदेशक/Director

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पते की सूची/ List of Addresses:

COO (CTU-Planning), Power Grid Corporation of India Ltd., "Saudamini" Plot no-2, Sector-29, Gurgoan- 122001, Haryana.	Commissioner (Power), Government of Arunachal Pradesh, Civil Secretariat, Block Number-2, 3rd Floor, Itanagar (Ar. Pradesh)
The Chairman and Managing Director, North Eastern Electric Power Corporation Ltd, Brookland Compound, Lower New Colony, Shillong (Meghalaya) – 793003.	Director (Projects), Power Grid Corporation of India Ltd., "Saudamini" Plot no-2, Sector-29, Gurgoan- 122001, Haryana
The Member Secretary, North Eastern Regional Power Committee(NERPC), Meghalaya State Housing Finance Co-Operative Society Ltd. Building Nongrim Hills, Shillong (Meghalaya) – 793003	

Copy to:

1. PPS to Member (PS), Central Electricity Authority, Sewa Bhawan, R. K. Puram, New Delhi-110066

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Minutes of the meeting held on 10.10.2018 at CEA, New Delhi to discuss about handing over the assets of NEEPCO viz. Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations, bays and ICTs at substations to Arunachal Pradesh and Connectivity of Upcoming Dikshi HEP (24MW) in Arunachal Pradesh

List of the participants is enclosed at **Annexure-I**.

Member (Power System) welcomed the participants and requested Chief Engineer (PSPA-II), CEA to take up the agenda for discussion.

Chief Engineer (PSPA-II), CEA stated that the purpose of meeting is to discuss about (i) handing over of assets of Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations, bays and ICTs at substations and (ii) Connectivity of upcoming Dikshi HEP (24MW) in West Kameng District of Arunachal Pradesh.

Deliberations held in the meeting are as under:

(i) Handing over of the assets of Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations, bays and ICTs at substations to Arunachal Pradesh

- a) Representative of NEEPCO stated that following transmission assets were created by NEEPCO for drawing construction power for their Kameng HEP (600MW) in Arunachal Pradesh.

Sl. No.	Description
1	<p>Transmission Lines:</p> <p>(i) Balipara- Khuppi 132 KV S/c line (68 km)</p> <p>(ii) Khuppi- Kimi (Kameng HEP) 132 KV S/c line (8 km) (presently charged at 33 kV)</p>
2	<p>Extension works at 220KV/132 KV Sub Station at Balipara:</p> <p>(i) 220 KV ICT Bay-1 no.</p> <p>(ii) 50MVA 220/132 KV Transformer-1 no.</p> <p>(iii) One 132 KV ICT Bay</p> <p>(iv) One 132 KV Bus Coupler Bay</p> <p>(v) One 132 KV Line bay for Khuppi -Balipara 132 kV S/c line</p>
3	<p>132/33 KV Sub-Station at Khuppi</p> <p>(i) 132 KV Switchyard:</p> <p>a) One 132 KV bay for Khuppi -Balipara 132 kV S/c line</p> <p>b) 132KV Transformer bay</p> <p>c) 132KV Bus transfer bay (under S/D)</p> <p>d) One 132KV bay (under S/D) for Khuppi -Kimi line</p> <p>(ii) 33 KV switchyard:</p> <p>a) One 33KV line bay for Khuppi -Kimi line</p> <p>b) One 33KV bay for Khuppi -Tenga 33 kV line</p> <p>c) 33KV bay for DoP</p> <p>(iii) Power transformers:</p> <p>a) 5MVA 132/33KV Transformers- 4 nos. (including one spare transformer unit)</p>

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	<p>(iv) <u>Distribution transformers:</u></p> <p>a) 630 KVA, 33/0.4 KV-2 nos. (One for S/S, One for NEEPCO colony at Khuppi)</p> <p>(v) 132/ 33 KV Sub-station Control Room with all control equipment, battery & batter chargers etc.</p>
4	<p><u>Associated LT Distribution Systems</u></p> <p>(i) Khuppi-Tenga 33 KV Line (5 km)</p> <p>(ii) Tenga-Bichom 33 KV Line (16 km)</p> <p>(iii) 33/11 KV Indoor S/S at Tenga</p> <p>(iv) 33/11 KV Indoor S/S at Bichom</p> <p>(v) Distribution Transformers</p> <p>a) 2.5 MVA, 33/11 KV Transformers- 4 nos. (2 at Tenga S/S +2 at Bichom S/s)</p> <p>b) 125 kVA 11/0.4 KV Transformer-2 nos. (One at Bichom S/S + One at Kimi 25 km Village)</p>

- b) In the 7th meeting of Standing Committee on Power System Planning of NER held on 17-05-2018, NEEPCO had mentioned that their Board has decided about handing over the above mentioned assets to POWERGRID as ISTS system and have communicated the same to POWERGRID vide their letter dated 28-07-2018.
- c) NEEPCO stated that the matter was subsequently referred to CEA vide letter dated 22/06/2018 with a request to consider the said transmission system as ISTS as the same was constructed with consideration that it shall become part of evacuation system of Kameng HEP as per approved scheme.
- d) Representative of POWERGRID stated that they have already communicated to NEEPCO vide their letter dated 01-09-2017 that for handing over Balipara-Khupi-Kimi (Kameng HEP) 132kV line, the line status needs to be changed to ISTS and permission of respective RPC, SCT as well as CERC would be required. He added that in the SCM it was brought out that with completion of the construction works at Kameng HEP, the system was proposed to be used for supply of power from Kameng HEP to Arunachal Pradesh; accordingly, the assets may be transferred to Department of Power (DoP), Arunachal Pradesh. It was therefore, agreed in the SCM that the assets mentioned above may be handed over to DoP, Arunachal Pradesh and modality of transfer may be decided in a separate meeting in CEA with POWERGRID, Arunachal Pradesh and NEEPCO.
- e) Representative of Department of Power (DoP), Arunachal Pradesh stated that in the 7th meeting of Standing Committee on Power System Planning of NER held on 17-05-2018 and in 19th TCC meeting of NERPC held on 28-09-2018, it was agreed that the assets of Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations (or) bays & ICTs at substations would be handed over to DoP, Arunachal Pradesh.
- f) Regarding transfer of assets to DoP, Arunachal Pradesh, the representative of NEEPCO raised concerns regarding operation and maintenance of Balipara-Khupi-Kimi 132kV S/C transmission line which passes through tough hilly terrain in the State of Assam & Arunachal Pradesh and there is every likelihood that

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some of power from Kameng HEP shall be evacuated to Balipara through the line for consumption by other States.

- g) Representative of Department of Power (DoP), Arunachal Pradesh stated that all required maintenance works would be carried out periodically to keep the transmission system in healthy condition so as to supply reliable power to the 132kV system in the Khupi, Kimi & surrounding areas and in the Bomdila, Tawang & Kalaktang areas in future with construction of Khupi – Bomdila – Tawang & Bomdila – Kalaktang 132kV lines.
- h) NEEPCO further stated that on handing over of the 33 KV system downstream to Khuppi S/S, DoP is to ensure reliable power to its Bichom and Tenga Dam complexes. NEEPCO also highlighted the necessity of commercial settlement for handing over the system.
- i) After detailed deliberations, it emerged that after completion of construction works at Kameng HEP, the Balipara-Khupi-Kimi 132kV line shall be primarily supplying power to various areas of Arunachal Pradesh from Kameng HEP.
- j) Accordingly, it was decided that NEEPCO may hand over the transmission assets mentioned above in the table at **point no. (i) a)** to DoP, Arunachal Pradesh on mutually agreed terms. DoP, Arunachal Pradesh agreed that upon handing over of the assets by NEEPCO, they would operate and maintain them in healthy condition so as to facilitate reliable power supply from Kameng HEP to 132kV systems in Khupi, Kimi, Bomdila, Tawang, Kalaktang and surrounding areas.

(ii) Connection of Upcoming Dikshi HEP (24MW) in West Kameng District of Arunachal Pradesh

- a) Chief Engineer, CEA stated that in the 7th meeting of Standing Committee on Power System Planning of NER held on 17.05.2018, it was decided that the connection of upcoming Dikshi HEP (24MW) in West Kameng District of Arunachal Pradesh would be discussed in a separate meeting in CEA along with Arunachal Pradesh, NEEPCO, CTU.
- b) Director, CEA stated that that Arunachal Pradesh State Electricity Regulatory Commission (APSERC) vide their Transmission Licence No. 1 of 2018 dated 12.07.2018 have issued licence for Transmission of Electricity in the State of Arunachal Pradesh in respect of connection of Dikshi HEP (24MW) with following elements of the Intra State Transmission System:

Transmission element

1. 132kV S/C Dikshi switchyard to Tenga switching station - 10.5 Kms
2. 132kV D/C Tenga switching station to Nechipu LILO connection (on Balipara-Khupi 132kV line) - 21.5 km

Substations

1. 132 kV Tenga switching station with 4 no. of bays (no capacitive device required)

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- c) Since, the licence for transmission system for Dikshi HEP has already been issued by APSERC, it was agreed that the issue may be closed with provision of connectivity for Dikshi HEP through the transmission system mentioned at point (ii) (b) by the generating company.

The meeting ended with thanks to the Chair.

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Annexure-I

List of participants in the meeting held on 10.10.2018 at CEA, New Delhi to discuss about handing over the assets of NEEPCO viz. Balipara-Khupi-Kimi 132kV S/C transmission line and its associated substations (or) bays and ICTs at substations to Arunachal Pradesh and Connectivity of Upcoming Dikshi HEP (24MW) in Arunachal Pradesh

Sl. No	Name (Smt./Shri)	Designation
Central Electricity Authority		
1	P S Mhaske	Member(PS)
2	S K Ray Mohapatra	Chief Engineer
3	B.S. Bairwa	Director
4	Satyendra Kumar Dotan	Dy. Director
5	Ajay Kumar	Asst. Director
NEEPCO		
6	N. Bhuyan	DGM (E/M)
7	Elizabeth Pyrbot	Sr. Mng.(E/M)
8	RU Solanki	L.O
DoP, Arunachal Pradesh		
9	T K Tara	SE (E)
POWERGRID		
10	Ashok Pal	GM (CTU-Plg)
11	Manish Ranjan Keshari	Sr.Engr (CTU-Plg)