



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

संख्या: के.वि.प्रा./पी.एस.पी.ए.-II/2017/81/16/ 1602-1608

दिनांक: 12.12.2017

सेवा में

1. The Member Secretary, North Eastern Regional Power Committee(NERPC), NERPC Complex, Dong Parmaw Lapalang, Shillong – 793006 (Meghalaya)	2. Joint Secretary (Trans.), Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110001
3. Commissioner (Power), Government of Arunachal Pradesh, Civil Secretariat, Block Number-2, 3rd Floor, Itanagar (Ar. Pradesh) Email: ashishkundra@hotmail.com	4. The Director (Projects), Power Grid Corp. of India Ltd., "Saudamini", Plot No. 2, Sector-29, Gurgaon-122001
5. COO(CTU-Planning), Power Grid Corporation of India Ltd., "Saudamini" Plot no-2, Sector-29, Gurgoan- 122001, Haryana	6. The Chief Engineer (Power), Vidyut Bhawan, Department of Power, Zero Point Tinali. Itanagar (Arunachal Pradesh) – 791111.

**विषय :-Inclusion of some missing links in Comprehensive Scheme for Arunachal Pradesh-  
Regarding**

**संदर्भ :- 1. पीजीसीआईएल का पत्र संख्या C/CTU-Plg/NE/00/PLG दिनांक: 02.11.2017**

महोदय,

The minutes of the meeting held on 05.12.2017 under the Chairmanship of Member (Power system), CEA, Sewa Bhawan, R.K.Puram, New Delhi on the above subject is enclosed herewith.

भवदीय,  
21/12/17  
(सत्येंद्र कुमार दोतान)

उप निदेशक (वि प्र यो मू - II)

Copy to:

1.PPS to Member (PS) –for kind information please.

**Minutes of Meeting held on 05.12.2017 under the Chairmanship of Member (Power System) to discuss about implementation of additional 132 kV Scheme Proposed by Arunachal Pradesh under Comprehensive Scheme of Arunachal Pradesh.**

**List of Participants is enclosed at Annexure-I.**

1. Member (PS), CEA welcomed the participants. He stated that this meeting is convened to discuss the issues regarding implementation of additional 132 kV scheme under Comprehensive Scheme of Arunachal Pradesh, which were not covered earlier. He requested Chief Engineer(PSPA-II), CEA to take up the agenda for discussion.
  2. Chief Engineer(PSPA-II), CEA highlighted briefly about the broad scope of work given below under the Comprehensive Scheme for Strengthening of Transmission and Distribution System in Arunachal Pradesh.
    - a) 24 nos. of new 132 kV sub-stations with total additional 529 Megavolt Ampere (MVA) transformation capacity.
    - b) Augmentation of 15 MVA capacity at Daporijo S/s
    - c) 33 nos. of new transmission lines with total route length of 1917 km. Out of these, 7 nos. of 132kV lines have been planned to be initially operated at 33kV.
    - d) 70 nos. of 33kV substations with total 33/11 kV transformation capacity of 465 MVA about 1923 km of new 33kV lines.
  3. Chief Engineer (PSPA-II), CEA further stated that in the meeting held in MoP on 05.12.2016, Commissioner (Power), Arunachal Pradesh had requested MOP for inclusion of following additional lines in the Comprehensive Scheme for taking care of missing links and grid strengthening links:
    - a) Khupi-Bomdila-Tawang 132kV S/C line on D/C tower along with 10 MVA, 132/33kV sub-station each at Bomdila & Tawang.
    - b) Bomdila-Kalaktang 132kV S/C line along with 4x5 MVA, 132/33kV substation at Kalaktang
- However, in the meeting it was decided that the Govt. of Arunachal Pradesh will get the updated cost of the project vetted by CEA and in view of the fact that this was earlier agreed project by M/o DoNER, M/o DoNER will be requested for financing the project at the updated cost.
4. The Arunachal Pradesh had also raised the issue during the meeting held 24.04.2017 between Hon'ble Minister of Power (I/C), Govt. of India and Hon'ble Chief Minister, Arunachal Pradesh.
  5. Chief Engineer (PSPA-II), further stated that CEA vide letter dated 31.08.2017, had requested Arunachal Pradesh to defer and take up following transmission lines and associated substations located in high altitude areas in 2<sup>nd</sup> phase, in order to include above additional missing links (transmission lines and associated substations) which were not covered under Comprehensive Scheme for Strengthening of Transmission & Distribution System in Arunachal Pradesh.
    - i. 132 kV S/C Ziro – Palin (S/C on D/C Tower)
    - ii. 132 kV S/C Palin – Koloriang (S/C on D/C Tower)
    - iii. 132 kV S/C on D/C Tower Along – Kambang
    - iv. 132 kV S/C on D/C Tower Kambang – Mechuka

- v. 132 kV S/C on D/C Tower Roing – Dambuk
- vi. 132 kV S/C on D/C Tower Tezu – Halaipani
- vii. 132 kV S/C on D/C Tower Roing – Anini
- viii. 132 kV S/C on D/C Tower Along – Yingkiang
- ix. 132 kV S/C on D/C Tower Yingkiang – Tuting

6. In response to above letter , Govt. of Arunachal Pradesh vide their letter dated 27.09.2017 has not agreed to accept deferment of high altitude lines and had requested to revise the DPR of the Comprehensive Scheme taking into consideration of the above additional 132 kV system.
7. Chief Engineer, DoP, Arunachal Pradesh stated that Ministry of DoNER has given administrative and financial approval of Government of India in April,2010 for Central Financial Assistance from the Social and Infrastructure Development Fund (SIDF) for NER to the Government of Arunachal Pradesh for construction of 132 kV S/C transmission line from Khupi to Tawang including 132/33 kV substations at Bomdila and Tawang. However, the contract could not be awarded by them after repeated attempts and projects was delayed. He further stated that during the meeting held in MoP on 05.12.2016, Commissioner (Power), Arunachal Pradesh had requested MOP for inclusion of above additional lines in ongoing Comprehensive Scheme to take care of missing links and grid strengthening links without dropping/deleting of any projects within the Comprehensive Scheme. He emphasized that phasing of transmission lines under Comprehensive Scheme for Arunachal Pradesh is not acceptable to Govt. of AP due to socio-political reasons.
8. POWERGRID stated that tendering activities for following scope of works has already been initiated as an advance action. However, it will not be possible to award the projects without finalization of funding of projects and without approval of Govt. of India, as the following works were not covered under the Comprehensive Scheme. POWERGRID informed that Ar. Pradesh Govt. has requested for enhancement of capacity from 132/33kV,10MVA to 132/33kV, 7x5MVA each at Bomdila & Tawang in view of load growth. The same was also informed to CEA vide letter dated 02-11-2017.
  - (a) *Khupi – Bomdila – Tawang 132kV S/c line on D/c tower alongwith 7x5MVA 132/33kV S/s each at Bomdila & Tawang*
  - (b) *Bomdila – Kalaktang 132kV S/c line on D/c tower alongwith 4x5MVA 132/33kV S/s at Kalaktang.*
9. Considering the importance of the locations, difficult terrain and future growth in demand, the suggestion of POWERGRID for enhancement of transformation capacity from 132/33kV, 10MVA to 132/33kV, 7x5MVA each at Bomdila & Tawang was agreed.
10. Member (PS), CEA stated that additional 132 kV lines and substations proposed by Arunachal Pradesh were found to be technically in order. The request of Govt. of Arunachal Pradesh to implement the above additional 132kV works along with works covered under Comprehensive Scheme is primarily due to fund constraint. As such we may agree to the request of Arunachal Pradesh for implementation of these projects as part of on-going Comprehensive Scheme. However, the revised scheme can be taken up with Ministry of Power for Government approval so that the fund can be made available for execution of the above additional projects by POWERGRID along with other ongoing projects covered under Comprehensive Scheme for Arunachal Pradesh.

11. After detailed discussion, following was agreed:

(a) The following additional transmission links and substations are technically required for development of Arunachal Pradesh:

(i) *Khupi – Bomdila – Tawang 132kV S/c line on D/c tower alongwith 7x5MVA 132/33kV S/s each at Bomdila & Tawang*

(ii) *Bomdila – Kalaktang 132kV S/c line on D/c tower alongwith 4x5MVA 132/33kV S/s at Kalaktang*

(b) Considering importance of the above proposed lines and substations at (a) above, implementation of the same may be taken up initially and subsequently implementation of high altitude lines may be taken up.

(c) The matter may be taken up with Ministry of Power for approval in regard to inclusion of the above scope of work in the ongoing Comprehensive Scheme of Arunachal Pradesh.

(d) Based on approval of MoP, POWERGRID shall award the works of new scope mentioned at (a) also.

The meeting ended with the thanks to Chair.

\*\*\*\*\*

Sl. No	Name	Designation
<b><u>Central Electricity Authority</u></b>		
1	P. S. Mhaske	Member (Power System)
2	S. K. Ray Mohapatra	Chief Engineer (PSPA-II)
3	B. K. Arya	Chief Engineer (PSPM)
4	Rishika Sharan	Director (PSPA-II)
5	Satyendra Kr Dotan	Dy. Director (PSPA-II)
6	Ajay Kumar	Assistant Director (PSPA-II)
<b><u>DoP, Arunachal Pradesh</u></b>		
1	A. Perme	Chief Engineer
2	O. N. Tewari	OSD, Power
<b><u>POWERGRID</u></b>		
1	T.C. Sarmah	COO (BDD &JV)
2	Subir Sen	COO (CTU)
3	Ashok Pal	GM (CTU-Planning)
4	Supratim Das	GM (BDD)
5	Manish Ranjan Keshari	Sr. Eng. ( CTU-Planning)

