



सत्यमेव जयते
भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत प्रणाली परियोजना प्रबोधन प्रभाग

Power System Project Monitoring Division

CEA/PS/PSPM/7/7/2018/ 1288-94
सेवा में,

Dated 31.07.2018

(संलग्न सूचि के अनुसार),

विषय: Minutes of meeting held in CEA, New Delhi on 28.05.2018 under the chairmanship of Member (Power System), CEA to discuss the issue of auxiliary supply to feed (a) LTAC switchgear of Alipurduar Transmission Limited(ATL) a subsidiary of Kalpataru, for control and protection of their 2 nos 400 kV bays at Darbhanga substation of DMTCL (b) LTAC switchgear of Eastern Region System Strengthening XXI Transmission Limited(ERSSXXITL) a subsidiary of PGCIL, for control and protection of their 2 nos 400 kV bays each at Darbhanga and Motihari substation of DMTCL

सदस्य (विद्युत् प्रणाली), के. वि. प्रा. की अध्यक्षता में 28.05.2018 को टी.बी.सी.बी. परियोजनाओ के सम्बंधित मुद्दों पर के. वि. प्रा. में आयोजित समीक्षा बैठक का कार्यवृत्त संलग्न है।

संलग्नक: यथोपरि |

(बी के आर्य)
मुख्य अभियंता

प्रतिलिपि:

4/10/18

- 1) संयुक्त सचिव (ट्रांस), विद्युत् मंत्रालय
- 2) प्रधान निजी सचिव, अध्यक्ष, केविप्रा
- 3) प्रधान निजी सचिव, सदस्य (विद्युत प्रणाली), केविप्रा

सेवा भवन ,आर .के .पुरम-1 ,नई दिल्ली 110066- टेलीफोन : 011-26103242 ईमेल: ceapspm@gmail.com वेबसाइट:

www.cea.nic.in

Sewa Bhawan, R.K Puram-1, New Delhi-110066 Telephone: 011-26103242 Email: ceapspm@gmail.com

Website: www.cea.nic.in

List of addressees

Sl. No.	Organization	Address	Telephone/Fax/email
1	Power Grid Corporation of India Ltd.	Sh. I S Jha, CMD Power Grid Corporation of India Ltd. Saudamini, Plot No.2, Sector 29, Near IFFCO Chowk, Gurgaon (Haryana) - 122001	Ph.: 0124-2571760, FAX: 0124-2571762 Email: cmd@powergridindia.com
2	ERSS XXI Transmission Limited (Subsidiary of POWERGRID)	CEO, ERSS XXI Transmission Limited , Power Grid Corporation of India Ltd. Saudamini, Plot No.2, Sector 29, Near IFFCO Chowk, Gurgaon (Haryana) - 122001	Email: singhal@powergridindia.com poonam@powergridindia.com
3	Alipurduar Transmission Ltd.	Sh. Saurabh Gupta, Director Alipurduar Transmission Ltd. (A subsidiary of Kalpataru Power Transmission Ltd.) 7th Floor, Kalpataru Synergy, Opp-Grand Hyatt, Vakola, Santa Cruz (E), Mumbai - 400 055, Maharashtra	Email: saurabh.gupta@kalpatarupower.com ajay.tripathi@kalpatarupower.com
4	Darbhangha Motihari Trans. Company Ltd	Sr. Vice President Essel Infra Projects Limited, 06th Floor, Plot No. 19, Film City, Sec-16 A, Gautam Buddha Nagar, Noida, U.P. -201301	Tel: 11-46001198 Fax: 11-46001185 Mobile: 9953200475 amit.kumar1@infra.esselgroup.com

Annexure

Minutes of meeting held in CEA, New Delhi on 28.05.2018 under the chairmanship of Member (Power System), CEA to discuss the issue of auxiliary supply to feed (a) LTAC switchgear of Alipurduar Transmission Limited(ATL) a subsidiary of Kalpataru, for control and protection of their 2 nos 400 kV bays at Darbhanga substation of DMTCL (b) LTAC switchgear of Eastern Region System Strengthening XXI Transmission Limited(ERSSXXITL) a subsidiary of PGCIL, for control and protection of their 2 nos 400 kV bays each at Darbhanga and Motihari substation of DMTCL

List of participants is attached at Annexure-I.

Member (Power System), CEA welcomed all the participants and requested Chief Engineer (PSPM) to start the proceedings of meetings. The record of discussion is as under;

Chief Engineer (PSPM) stated that Alipurduar Transmission Limited (ATL), a subsidiary of Kalpataru has been constructing 2 nos 400 kV bays at Darbhanga S/S of M/s Darbhanga Motihari Transmission Company Limited (DMTCL) for termination of their Kishenganj-Darbhangha 400 kV D/C line covered under transmission scheme Transmission system strengthening in Indian system for transfer of Power from new HEP's in Bhutan, awarded through TBCB route in Oct, 2015.

A meeting was already held on 27.04.18 with representatives of ATL and DMTCL wherein it was suggested to resolve issue mutually. It was informed that the problem still persists and same problem would also be faced by ERSS-XXITL as they have to construct 2 nos. 400 kV bays at Darbhanga S/s and Motihari S/s each for termination of their Darbhanga- Sitamarhi-Motihari 400 kV D/C line covered under ERSS-XXI transmission scheme awarded in January, 2018 through TBCB route.

ATL representative informed that they approached North Bihar Power Transmission Corporation Ltd (NBPTCL) for providing 11 kV connection for power supply to their 2 nos. 400 kV bays at Darbhanga S/S. NBPTCL verbally refused to allocate separate feeder and advised to avail 11 kV supply from existing feeders available in Darbhanga (DMTCL) S/s. Accordingly, they had requested DMTCL to extend 11 kV supply available with them along with one more supply from tertiary winding of existing ICT-2. However, DMTCL did not agree as the same may affect their system related to ICT-2.

DMTCL representative informed that as per TSA/RFP, TSP have to arrange auxiliary supply for operation and maintenance of their 400 kV bays. He further stated that a spare 400A feeder is available at Darbhanga LTAC panel which can be extended to ATL. However permission from Discom would need to be obtained for extending LT supply to ATL for their 400 kV bays.

After further deliberations, ATL and ERSSXXITL representatives agreed to jointly approach NBPTCL for LT supply connection for their bays in Darbhanga (DMTCL) substation and mutually resolve other issues.

Meeting ended with thanks to chair.

सदस्य (विद्युत् प्रणाली), के. वि. प्रा. की अध्यक्षता में 28.05.2018 को के. वि. प्रा. में आयोजित समीक्षा बैठक का कार्यवृत्त
Minutes of meeting held in CEA on 28.05.2018 under the Chairmanship of Member (Power System), CEA.

List of Participants

CEA

- | | |
|---------------------------|----------------------------------|
| 1. SHRI P. S. MHASKE | MEMBER (POWER SYSTEM)...IN CHAIR |
| 2. SHRI B. K. ARYA | CHIEF ENGINEER (PSPM) |
| 3. SHRI S.K.RAY MOHAPATRA | CHIEF ENGINEER (PSP&PA-II) |
| 4. SHRI SANJAY SRIVASTAVA | CHIEF ENGINEER (PSETD) |
| 5. SHRI R. P. PRADHAN | DIRECTOR (PSPM) |
| 6. SHRI AJITESH KUMAR | DEPUTY DIRECTOR (PSPM) |
| 7. SHRI RAVI KANT | ASSISTANT DIRECTOR (PSPM) |

POWERGRID

- | | |
|------------------------|-----------------------|
| 8. SHRI ASHOK PAL | GENERAL MANAGER |
| 9. MS. POONAM VARSHNEY | ADDL. GENERAL MANAGER |
| 10. SHRI K.K. SARKAR | DY. GENERAL MANAGER |

PFC CONSULTING

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|-----------------------|-----------------------|
| 11. SHRI SANJAY NAYAK | ASSTT. VICE PRESIDENT |
|-----------------------|-----------------------|

KPTL/ KMTL/TECHNO

- | | |
|--------------------------|--------------------------|
| 12. SHRI B. MAJUMDAR | PRESIDENT |
| 13. SHRI SHEKHAR VASUDEV | VICE PRESIDENT |
| 14. SHRI P.P.GUPTA | DIRECTOR |
| 15. SHRI SAURABH GUPTA | HEAD CONCESSION BUSINESS |
| 16. SHRI AJAY TRIPATHI | GENERAL MANAGER |
| 17. SHRI PRAVEEN DUTT | DY. GENERAL MANAGER |
| 18. SHRI ALOK DIXIT | MANAGER |
| 19. SHRI ATUL DUGGAL | MANAGER |
| 20. SHRI NIMAI KARMAKAR | DY. MANAGER |

ESSEL INFRA

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| 21. SHRI AMIT DIXIT | ASSTT. VICE PRESIDENT |
| 22. SHRI AMIT KUMAR | GENERAL MANAGER |
| 23. SHRI ALOK DIXIT | MANAGER |



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Power System Project Monitoring Division

CEA/PS/PSPM/7/7/2018/ (280-87)

Dated 31.07.2018

सेवा में,

(संलग्न सूचि के अनुसार),

विषय: Minutes of meeting held in CEA, New Delhi on 28.05.2018 under the chairmanship of Member (Power System), CEA to discuss the issue of Changing of conventional Substation at New Kohima to GIS covered under NERSS-VI transmission project awarded to Kohima Mariani Transmission Limited(A subsidiary of Kapataru)

सदस्य (विद्युत् प्रणाली), के. वि. प्रा. की अध्यक्षता में 28.05.2018 को टी.बी.सी.बी. परियोजनाओ के सम्बंधित मुद्दों पर के. वि. प्रा. में आयोजित समीक्षा बैठक का कार्यवृत्त संलग्न है।

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मुख्य अभियंता

28/07/18

प्रतिलिपि:

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- 2) प्रधान निजी सचिव, अध्यक्ष, केविप्रा
- 3) प्रधान निजी सचिव, सदस्य (विद्युत प्रणाली), केविप्रा

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2	AEGCL	Managing Director, Assam Electrical Grid Corporation Ltd. Bijulee Bhawan, 1st Floor, Paltan Bazar, Guwahati, Assam - 781001	Ph.: 0361-2739520, Email: md_aegcl@yahoo.co.in
3	PFC Consulting Limited	Chief Executive Officer, PFC Consulting Limited Ninth Floor ('A' Wing), Statesman House Building Barakhamba Road, Connaught Place, New Delhi - 110 001	Tel: 011-23443900 Fax: 011-23443990 Mob: 9871611467 Email: info@pfcclindia.com, pfcconsulting@pfcindia.com
4	Kohima – Mariani Transmission Ltd	Sh. R. K. Raina, Director Kohima – Mariani Transmission Ltd. (A subsidiary of Kalpataru Power Transmission Ltd.) A-63, FIEE Complex, 3rd floor, Okhla Industrial Area Phase 2, New Delhi-110020	Tel: +91 11 40823321 Email: raj.raina@techno.co.in
5.	Department of Power, Nagaland	Chief Engineer (T&G), Department of Power, Nagaland Electricity House, A.G. Colony, Kohima, Nagaland, Pin: 797001	Email: cepower1@gmail.com cepower1helpdesk@gmail.com Mob: 09436000

Annexure

Minutes of meeting held in CEA, New Delhi on 28.05.2018 under the chairmanship of Member (Power System), CEA to discuss the issue of Changing of conventional Substation at New Kohima to GIS substation covered under NERSS-VI transmission project awarded to Kohima Mariani Transmission Limited(A subsidiary of Kalpataru Power)

List of participants is attached at Annexure-I.

Member (Power System), CEA welcomed all the participants and requested Chief Engineer (PSPM) to start the proceedings of meetings. The record of discussion is as under;

No representative from Govt. of Nagaland and Govt. of Assam attended meeting.

KMTL representative informed that as per TSA/RFP, the substation land should be accessible by State Highways/National Highways and within radius of 05 km of existing 220 kV substation of Nagaland Power Department. Coordinates of substation given in the RFP document, within 05 km from 220 kV S/S of Nagaland power Department, is not suitable for installation of 400 kV conventional substation.

He further informed that the location of 38 acre of land proposed in RFP for 400 kV substation is not suitable for transport of heavy equipment specially transformer and reactor due to kutch road, sharp bend and narrow width of approach road. Extensive survey of entire area has been carried out during last one year, but suitable site could not be located near to 220 kV substation of Nagaland Power Department. He requested to allow for construction of 7x167 MVA, 400/220 kV GIS substation at New Kohima in place of conventional substation which would reduce land requirement approximately to 20 acre, overcome geographical and environmental constraints, avoid cutting of large number of trees, preserve the flora and fauna of the forest.

KMTL representative informed that GIS technology is superior to AIS due to best operational flexibility, system safety, reliability and availability, he confirmed that there would not be any change in type of switching scheme as well as cost/tariff, time schedule of transmission project.

Representative of PFC Consulting Ltd. informed that due to problem of approach road, 3 phase transformers were changed to single-phase in the RFP stage itself. Change into GIS based substation could be considered if found technically suitable.

Representative of CTU stated that GIS is better option in hilly terrain due to constraints in land availability. He stated that only GIS should be preferred in hills and technology-wise also GIS has more advantage over AIS.

After detailed deliberations it was decided that;

- (1) KMTL shall establish a 7x167 MVA, 400/220 kV GIS substation at New Kohima in place of conventional substation with no implication on cost, tariff and time schedule of transmission project.
- (2) The switching scheme for GIS substation would be same as indicated for AIS in TSA/RFP document.
- (3) The modifications in the transmission scheme (NERSS-VI) would be ratified in next standing committee of power system for NER.

Meeting ended with thanks to chair.

सदस्य (विद्युत् प्रणाली), के. वि. प्रा. की अध्यक्षता में 28.05.2018 को के. वि. प्रा. में आयोजित समीक्षा बैठक का कार्यवृत्त
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