



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

सेवा में,

(संलग्न सूची के अनुसार)

विषय: टीबीसीबी के अंतर्गत ट्रांसमिशन परियोजनाओं की प्रगति की समीक्षा करने के लिए मुख्य अभियंता (विद्युत प्रणाली परियोजना प्रबोधन प्रभाग) के.वि.प्रा. द्वारा 12.09.18 को ली गई बैठक का कार्यवृत्त।

Subject: Minutes of meeting taken by CE (PSPM), CEA on 12.09.18 to review the progress of Transmission projects awarded through TBCB route- reg.

महोदय / Sir,

A Meeting was taken by Chief Engineer (PSPM) on 12.09.2018 in CEA to review the progress of transmission projects awarded through TBCB route, which are expected to be completed during 2018-19. The Minutes of above meeting are attached at Annexure-I.

संलग्नक: यथोपरी।

(संजय जैन / Sanjay Jain)

निदेशक / Director

प्रति सूचनार्थ:

1. संयुक्त सचिव (ट्रांस), विद्युत मंत्रालय, श्रम शक्ति भवन, रफी मार्ग, नई दिल्ली-110001
2. पी.पी. एस., सदस्य (वि.प्रा.), के.वि.प्रा.

Annexure-I**Minutes of meeting taken by Chief Engineer (PSPM), CEA on 12.09.2018 to review the progress of Transmission projects awarded through TBCB route.**

List of participants is enclosed at Annexure-II.

No representative from Odisha Power Generation Corporation (OPGC) attended the meeting.

At the outset, Chief Engineer (PSPM) welcomed all the participants. After a brief introduction he reviewed the progress of transmission projects which are scheduled to complete during balance period FY 2018-19. The brief of discussion is as under:

1. Rajnandgaon – Warora 765 kV D/C Transmission Line by M/s Raipur Rajnandgaon Warora Transmission Ltd(RRWTL)

M/s RRWTL submitted progress of transmission line as under:

Total Foundation (nos.): 688	Line length (Ckm): 532
Foundation completed (nos.):550	Stringing completed (Ckm): 200.6
Tower erection completed (nos.):516	Anticipated completion: Nov, 2018.

M/s RRWTL representative informed that several ROW issues are being faced in Maharashtra. The transmission line is passing through forest land and Stage-I forest clearance has been received in Mar, 2018 but working permission and Stage-II forest clearance is pending. RRWTL representative was advised to submit details of forest clearance to CEA to take up the issue with forest authorities.

Regarding progress of terminal bays at Rajnandgaon and Warora s/s, RRWTL representative informed that they are constructing Rajnandgaon S/s and its construction including terminal bays for Rajnandgaon – warora line has been completed. PGCIL representative informed that bays at Warora substation has been completed. CE (PSPM) enquired about the progress of switchable line reactor (240 MVAR) at Warora S/s required for Rajnandgaon – warora line. ESSEL representative informed that civil work has been completed and reactors have been erected and erection of other equipment is under progress. Essel representative stated that line reactor work would be completed by Nov, 2018.

2. LILO of one circuit of Aurangabad- Padge 765 kV D/C line at Pune by M/S Chhattisgarh WR Transmission Ltd (CWRTL)

M/s CWRTL submitted progress of transmission line as under:

Total Foundation (nos.): 179	Line length (Ckm): 130
Foundation completed (nos.):150	Stringing completed (Ckm): 72
Tower erection completed (nos.):134	Anticipated completion: Dec, 2018.

M/s CRWTL representative informed that severe ROW issues are being faced at Pune end. However, this line is expected to be completed by Dec, 2018. Regarding progress of

terminal bays at Pune substation, PGCIL representative stated that line bays construction works at Pune s/s is in advance stage and confirmed that it would be ready by Dec, 2018.

3. Alipurduar(PG)-Siliguri (PG) 400 kV D/C line by M/s Alipurduar Transmission Ltd. (ATL)

M/s ATL submitted progress of transmission line as under:

Total Foundation (nos.): 321	Line length (Ckm): 232
Foundation completed (nos.):288	Stringing completed (Ckm): 30.61
Tower erection completed (nos.):221	Anticipated completion: Mar, 2019.

M/s ATL representative informed that the line is passing through villages in new jalpaiguri and alipurduar district of West Bengal and they are facing stiff resistance in some villages. He further stated that matter is being resolved with the help of local MLA and district authorities. The ATL representative informed that police protection would be needed at few locations to complete line by Mar, 2019 and requested CEA to take up matter with district authorities in New Jalpaiguri and Alipurduar.

4. Kishanganj (PG)-Darbhanga (DMTCL) 400 kV D/C line, 2 nos. 400 kV line bays and 80 MVA switchable line reactors at Darbhanga S/S of DMTCL by M/s Alipurduar Transmission Ltd. (ATL)

M/s ATL submitted progress of transmission line as under:

Total Foundation (nos.): 547	Line length (Ckm): 209
Foundation completed (nos.):541	Stringing completed (Ckm): 160.85
Tower erection completed (nos.):523	Anticipated completion: Mar, 2019.

M/s ATL representative informed that construction of line is progressing as per execution plan and they would complete line by its schedule date of completion i.e Mar, 2019.

M/s ATL submitted progress of line bays and line reactor at Darbhanga s/s as under:

Land Acquired: 100 %	Civil work completed: 80 %
Equipment supplied: 98 %	Equipment erected : 70 %
Scheduled COD : Mar, 2019	Anticipated COD : Dec, 2018.

M/s ATL representative informed that construction of line bays and line reactor bays is in advance stage and expected to complete by Dec, 2018. However, he requested intervention of CEA in resolution of following issues:

- i. Issue of providing auxiliary supply to M/s ATL from existing LTAC panel of M/s DMTCL was discussed in CEA on 28.05.18 and it was agreed by DMTCL to extend the AC supply from their spare feeder (having two separate source of AC supply). The matter was pursued by ATL but no response has been received from DMTCL. In

absence of response from DMTCL, they have completed the formality for one source of LT AC auxiliary supply from NBPD. However, requirement of second source of AC supply is still to be resolved.

- ii. For integration of Bays with Bus bars at Darbhanga substation, shutdown of one week for each bus (Bus –I and Bus –II) would be required along with shut down of both buses simultaneously for 2 days for complete integration. They have made a request in this regard to ERLDC, but permission for shutdown of both the buses simultaneously have not been approved.

CE (PSPM) stated that separate meeting would be called with DMTCL and PGCIL to discuss the issue of LT supply. Regarding shut down of Bus-I &II, he advised ATL representative to submit details of shut down program accordingly ERPC/ERLDC would be requested for shut down of Darbhanga s/s.

5. Salem - Madhugiri 765 kV S/C line by Powergrid Nagapattinam Transmission Limited (PNTL)

M/s PNTL representative submitted progress of transmission line as under:

Total Tower Foundation (nos.): 575	Total length (Ckm): 438
Foundation completed (nos.): 573	Stringing completed (Ckm): 400
Tower erection completed (nos.): 573	Anticipated completion: Oct, 2018

M/s PNTL representative informed that the progress of line has been severely affected due to acute Right of Way issues and mass agitation of villagers in Ramnagar and Tumkur district. The work was standstill for several months. The construction work could be started with intervention of district authority of Ramnagar and Tumkur district but still there are protest state-wise. PNTL representative informed that they are putting all efforts to complete line by Oct'18.

6. Vindhyachal pooling station - Jabalpur pooling station 765 kV D/C line by Powergrid Jabalpur Transmission Ltd(PJTL)

M/s PJTL representative submitted progress of transmission line as under:

Total Foundation (nos.): 1010	Line length (Ckm): 749
Foundation completed (nos.): 996	Stringing completed (Ckm): 586
Tower erection completed (nos.): 965	Anticipated completion: Nov, 2018

M/s PJTL representative informed that severe Right of Way issues are being faced in the villages of Maihar tehsil and Ramnagar tehsil of District Satna (MP). She further stated that RoW issues are being resolved with the help of Distt Authorities and informed that line would be completed by Nov'18.

7. Jharsuguda – Raipur 765 kV D/C line by Odisha Generation Phase-II Transmission Ltd(OGPTL)

M/s OGPTL representative submitted progress of transmission line as under:

Total Foundation (nos.): 782	Line length (Ckm): 608
Foundation completed (nos.): 782	Stringing completed (Ckm): 518
Tower erection completed (nos.): 774	Anticipated completion: Oct, 2018

M/s OGPTL representative informed that all the foundations have been casted and erection of 8 towers and 45 km of stringing is balance. He further stated that the line is in advance stage of completion and it would be ready by Oct'18. M/s OGPTL informed that in the meeting held at CEA on 19-02-2018 they have proposed to prepone the commissioning of 765kV D/C Jharsuguda – Raipur Transmission line. PGCIL representative stated that the construction of bays will be completed by Oct'18 with best effort. CE (PSPM) advised PGCIL to match the bays schedule as per the commissioning of transmission line.

8. Transmission lines and substation covered under “Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS” by M/s Gurgaon Palwal Transmission Limited (GPTL)

M/s GPTL representative submitted progress of transmission works covered under the transmission project is as under:

i. Aligarh-Prithala 400 kV D/C line(HTLS)

Total Foundation (nos.): 107	Line length (Ckm): 98.56
Foundation completed (nos.): 92	Stringing completed (Ckm): 8
Tower erection completed (nos.): 66	Anticipated completion: Mar, 2019

ii. Prithala - Kadarpur 400 kV D/C line(HTLS)

Total Foundation (nos.): 64	Line length (Ckm): 54.9
Foundation completed (nos.): 41	Stringing completed (Ckm): 0
Tower erection completed (nos.): 22	Anticipated completion: Mar, 2019

iii. Kadarpur - Sohna road 400 kV D/C line(HTLS)

Total Foundation (nos.): 30	Line length (Ckm): 22.14
Foundation completed (nos.): 6	Stringing completed (Ckm): 0
Tower erection completed (nos.): 0	Anticipated completion: Mar, 2019

iv. LILO of Gurgaon – Manesar 400 kV D/C line(Q) at Sohna Road

Total Foundation (nos.): 2	Total length (Ckm): 0.78
Foundation completed (nos.): 0	Stringing completed (Ckm): 0
Tower erection completed (nos.): 0	Anticipated completion: Mar, 2019

v. Neemrana(pg) – Dhanonda 400 kV D/C line(HTLS)

Total Foundation (nos.): 110	Total length (Ckm): 93.26
Foundation completed (nos.): 109	Stringing completed (Ckm): 76
Tower erection completed (nos.): 106	Anticipated completion: Oct, 2018

vi. 2x500 MVA, 400/220 kV GIS at Kadarapur

Land Acquired: 100 %	Civil work completed: 9 %
Equipment supplied: 45 %	Equipment erected : 0 %
Scheduled COD : May, 2019	Anticipated COD : Mar, 2019

vii. 2x500 MVA, 400/220 KV GIS at Sohna Road

Land Acquired: 100 %	Civil work completed: 17 %
Equipment supplied: 23 %	Equipment erected : 0 %
Scheduled COD : Sep, 2019	Anticipated COD : Mar, 2019

viii. 2x500 MVA, 400/220 kV GIS at Prithala(Palwal)

Land Acquired: 100 %	Civil work completed: 50 %
Equipment supplied: 62 %	Equipment erected : 0 %
Scheduled COD : May, 2019	Anticipated COD : Mar, 2019

M/s HVPNL raised concerns regarding difficulty in construction of downstream 220kV Lines near GPTL 400kV Sohna Road Sub-Station end. GPTL replied that the route of 400kV D/C Kadarapur - Sohna Transmission Line is in accordance with notified Section 164 route.

M/s GPTL apprised the chair that land acquisition in Gurgaon and Palwal area is very difficult but still all 3 Substation Sites are at good and approachable area. The details of land location had already shared with M/s HVPNL.

GPTL also agreed to provide any engineering support to M/s HVPNL for termination of 220kV downstream lines at Sohna Road Sub-station. In view of that HVPNL agreed to share the routes and line/tower details of 220kV lines terminating at Sohna Road S/s.

M/s HVPNL and M/s GPTL has requested CEA to form a Joint committee having members from CEA, HVPNL and GPTL to find out the amicable solution of 220kV downstream lines terminating at Sohna Road S/s.

GPTL stated that 400kV D/C Neemrana - Dhanonda Transmission line will be ready for charging by Oct'18 and requested PGCIL to match Neemrana Bay to the transmission line schedule i.e Oct'18. PGCIL representative informed that construction of bays at Neemrana end is going on and will be completed by Oct'18.

Representative of M/s KTL (a subsidiary of sterlite grid) also raised issue of transmission project-connectivity system for Khargone TPP(2x660 MW) and informed that they had received a letter dated 26-10-2017 from PGCIL stating that the construction of bays at Indore s/s would be completed by May'18 for which the KTL had replied that 765kV D/C Khandwa Pool – Indore Transmission line would be ready by June'18. KTL representative informed in the meeting that 765kV D/C Khandwa Pool – Indore Transmission line is in advance stage of construction and it would be ready by Nov'18 and requested PGCIL to complete line bay at Indore s/s by Nov'18. PGCIL agreed for completion of line bays at

Indore s/s by Nov'18 with best effort. KTL also informed that they would complete 765kV D/C Khandwa pool – Dhule transmission line by Nov'18.

After discussions following deliberations are made:

1. CEA to hold a meeting to resolve the issue of second source of Auxiliary supply to ATL for bays at Darbhanga Substation and also write to ERLDC/ERPC to consider shut down of both buses at Darbhanga S/S for integration of buses and bays.
2. PGCIL shall make best effort to complete terminal bays at Jharsuguda, Raipur, Aligarh, Nemrana and Indore s/s matching with the completion schedule of associated line.
3. CEA to form a technical committee comprising officers of CEA, HPVNL, GPTL and any other agency, if required, to finalise the route of downstream line of HPVNL (inside and outside substation), emerging from Kadarapur (Gurgaon), Sohna Road (Gurgaon) and Prithla(Palwal) substations of M/s GPTL.

Meeting ended with thanks to the chair.

Minutes of meeting taken by Chief Engineer (PSPM), CEA on 12.09.2018 to review the progress of Transmission projects awarded through TBCB route.

List of Participants

CEA

- | | |
|---------------------------|----------------------------------|
| 1. SHRI B. K. ARYA | CHIEF ENGINEER (PSPM)...IN CHAIR |
| 2. SHRI SANJAY JAIN | DIRECTOR (PSPM) |
| 3. SHRI AJITESH KUMAR | DEPUTY DIRECTOR (PSPM) |
| 4. SHRI DHANESH KUMAR | ASSISTANT DIRECTOR (PSPM) |
| 5. SHRI YADAV MANOJ KUMAR | ASSISTANT DIRECTOR (PSPM) |
| 6. SHRI AVINASH PATHAK | ASSISTANT DIRECTOR (PSPM) |
| 7. SHRI RAVI KANT | ASSISTANT DIRECTOR (PSPM) |

POWERGRID

- | | |
|-------------------------|----------------------|
| 1. SMT. POONAM VARSHNAY | ADDL. GENERAL MANGER |
|-------------------------|----------------------|

HVPNL

- | | |
|-------------------------|--------------------|
| 1. SHRI ANIL YADAV | SE |
| 2. SHRI VIPIN GUPTA | SE |
| 3. SHRI GULSHAN NAGPAL | SE |
| 4. SHRI RANDEEP CHAUHAN | Executive Engineer |

ADANI TRANSMISSION LIMITED

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|-----------------------|---------|
| 1. SHRI SAMEER GANJU | AVP |
| 2. SHRI PRAVEEN TAMAK | MANAGER |

KPTL

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|-----------------------|-----------------|
| 1. SHRI AJAY TRIPATHI | GENERAL MANAGER |
| 2. SHRI ATUL DUGGAL | MANAGER |

ESSEL INFRAPROJECTS LIMITED (WKTL)

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|----------------------|---------|
| 1. SHRI NEERAJ VERMA | MANAGER |
|----------------------|---------|

STERLITE POWER TRANSMISSION LIMITED

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|--------------------|----------------|
| 1. SHRI TAN REDDY | VP |
| 2. SHRI ROHIT GERA | DEPUTY MANAGER |

GPTL (Subsidiary of SPTL)

- | | |
|----------------------|------------------|
| 1. SHRI KAMLESH GARG | PROJECT HEAD |
| 2. SHRI B.K. SINGH | PROJECT DIRECTOR |
| 3. SHRI SANDIP MAITY | AGM |

OGPTL (Subsidiary of SPTL)

- | | |
|-----------------------|-------------------|
| 1. SHRI JAGVEER SINGH | DEPUTY MANAGER |
| 2. SHRI RAGHAV MISHRA | ASSOCIATE MANAGER |

List of Addressees

S. No	Name of Utility	Address	Ph./FAX/ Email ID
1.	PGCIL	Chairman & Managing Director, Powergrid Corporation of India Ltd., SAUDAMINI, Plot No.2, Sector-29, Gurgaon, Haryana-122001	Email: cmd@powergridindia.com poonam@powergridindia.com Ph: 09910377991
2.	ATL	Senior Vice President Adani Transmission Limited, 7th Floor, Sambhav Building, Judges Bungalow Road, Bodakdev, Ahmedabad, Gujarat-380015	Email: ln.mishra@adani.com , KINJAL.SEJPAL@adani.com Ph: 09099900244
3.	GPTL	Vice President (Corporate Affairs & B.D.) Sterlite Power Transmission Limited F-1 Mira Corporate Suits, Ishwar Nagar, New Delhi 110065	Email: tan.reddy@sterlite.com Ph: 09310490976
4.	KPTL	Senior Vice President (PPP Division and Long Term Assets) Kalpataru Power Transmission Limited, B-5, Tower-3, 3rd Floor, Okaya Business Centre, Sector-62, Noida, (U.P.) 201306, India.	Email id: - saurabh.gupta@kalpatarupower.com ajay.tripathi@kalpatarupower.com Ph: 9811826807
5.	OPGC {For issues with "Common Transmission system for phase-II generation projects in Orissa and immediate evacuation system for OPGC project (Orissa)" }	Managing Director Odisha Power Generation Corporation Limited, Zone-A, 7th Floor, Fortune Towers, Chandrasekharpur, Bhubaneswar - 751023 Odisha, India	EPBAX: - 91-674-2303765 / 2303766 FAX : 91-674-2303755 / 2303756 Email: indranil.dutta@aes.com
6.	HVPNL (For status of downstream network for the scheme "Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS")	Managing Director, Haryana Vidyut Prasaran Nigam Ltd., Shakti Bhawan, Sector-6, Panchkula – 134109	Email: md@hvpn.gov.in Ph.: 0172-2560579
7.	WKTL (ESSEL) (For 240 MVAR switchable Line Reactors with Bays at Warora (Pool) end in each circuit of Warora (Pool) – Rajnandgaon 765 kV D/C line with NGR (700 Ohm).	Sr. V.P. Essel Infra Projects Limited, 6th Floor, Plot No. 19, Film City, Sec- 16 A, Gautam Buddha Nagar, Noida, U.P. -201301	Email: amit.kumar1@infra.esselgroup.com Ph: 09953200475