



ISO: 9001-2008

Monthly Progress Report of Critical Transmission Projects under Central, State and Private Sector

(As on 31.05.2018)

Government of India
Ministry Power
Central Electricity Authority
Power System Project Monitoring Division
New Delhi

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Legends:

LGH: Total Length;
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Critical Transmission Projects in Northern Region(NR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Bareilly- Meerut 765kV D/C line.	Nov'13	-	Bareilly-Meerut 765kV S/C line has not commissioned yet. Early commissioning of this line will strengthen the system.	North Karanpura Transmission Co. Ltd. (NKTCL)	Line was covered under transmission project awarded through TBCB route in May,2010 but construction of line is yet to start.	➤ Under litigation	Hon'ble Supreme Court on 12.08.16 has disposed off the appeal and directed Appellate Tribunal of Electricity (ATE) to decide on appeal. Next hearing in ATE is due on 03.07.18.
2	Mohindergarh - Bhiwani 400kV D/C line.	Aug'18	Aug'18	Mohindergarh - Dhanonda 400kV D/C line is critically loaded. These loaded lines would get relief after commissioning of new lines 400 kV Mohindergarh - Bhiwani D/C line.	Powergrid Corporation of India Limited (PGCIL)	LGH: 122 Ckm TL: 181 nos. FDN: 107 nos. TE: 42 nos. STG: 0 Ckm	➤ Forest clearance (2.7 Ha) awaited. Proposal submitted. Working permission awaited. Severe ROW in Bhiwani portion affected progress. Also work is affected due to poor performance of contractor.	PGCIL to expedite progress of line for early completion keeping in view the criticality of its requirement
3	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Sep'18	Evacuation of power from Kishanganga HEP (Critical as without this line it will not be possible to synchronize and commission Kishenganga HEP units.)	Powergrid Corporation of India Limited (PGCIL)	LGH: 228 Ckm TL: 252 nos. FDN: 244nos. TE: 231 nos. STG: 191 Ckm	Work affected due to disturbance in Kashmir since Jul'16 & thus, slow progress. Delay in finalization of Private Negotiation Committee (PNC) and disbursement of compensation.	Section-IV issued for 252 locn. and PNC completed for 245 locn., State authorities help required to expedite PNC & compensation issues. Expected completion by Sep.'18.

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4	Anpara-D – Unnao 765kV S/C line.	Jan'12	July'18	Required for evacuation of power from Anpara-D STPS.	UPPTCL	LGH: 426.15Ckm TL: 1225 nos. FDN: 1194 nos. TE: 1106 nos. STG: 346.243 Ckm	Anpara- Jhansi section of the line (187 ckm) is being constructed by M/s Jyoti Structures which has gone bankrupt and their debt restructuring plan is before National Company Law Tribunal. However, debt restructuring plan for the firm is likely to be approved by the tribunal shortly. In the meantime work is under progress albeit at a slower pace.	There has been deficiency in tower material. The same is being addressed. Line completion is expected by June - 18. 765kV SC Jhusi-Unnao section is completed and is charged at 132kV as antitheft measure.
5	LILO of one ckt. of Kishanpur-New Wanpoh at Baglihar HEP 400kV D/C line.	Oct15	Jun'18	Required for evacuation of power from Baglihar HEP	JKPDD/ JKPDC	LGH: 7.94 Ckm TL: 16 nos. FDN: 16 nos. TE: 16 nos. STG: 7.94 Ckm	➤Progress affected due to severe RoW issue at 2 locs and involvement of forest area and matter in court for one location.	LILO Line almost completed but the stringing of tapping span and commissioning of PLCC panels is dependent on approval of shutdown from NRLDC and availability of testing & commissioning Engineers at site.

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6	Bara TPS- Mainpuri 765kV S/C line-I.	Jun'17	uncertain	Out of 2 no. 765kV S/C line, one has been commissioned (Ckt-II) but this line is required for evacuation of full power from Bara TPS and to meet N-1 criteria.	SEUPPTCL	LGH: 378Ckm TL: 903 nos. FDN: 613 nos. TE: 346 nos. STG: 0Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL representative informed that GoUP is considering to take over transmission project and evaluation of completed work is under progress. Bids for valuers have been invited by M/s PFC. Valuation is expected by Jun-18.
7.a	Bajoli HEP- Lahal 220kV D/C line	Oct'16	Oct'19	Required for evacuation of power from Bajoli HEP(3x60MW) in H.P., which is scheduled to complete by year 2019-20	HPPTCL	Work awarded in Dec'17. LGH: 36 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	CA and NPV amount deposited. Case has been processed for Stage II. Work permission obtained from DFO Bharmour.	

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7.b	Lahal-Chamera 400kV D/C line	Oct'16	Dec'19	-Do-	HPPTCL	Work awarded. NOA issued on 02.04.18. LGH: - Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Forest case uploaded.	In principle approval of the forest case obtained on 23.04.2018. Process for depositing the CA and NPV amount initiated. FRA Certificate Obtained.
7.c	630 MVA, 400/220/33 kV GIS at Lahal	Oct'16	Nov'18	-Do-	HPPTCL	LA:100% CW:50% ER: 35% EE: 0%	Civil works under progress	
8.a	Suratgarh TPS-Bikaner 400kV D/C line	Jan,13	Jun'18	This line is part of ATS of Suratgarh Super Critical TPS (2x660 MW).	RVPNL/ Adani transmission	LGH: 280 Ckm TL: 351 nos. FDN: 351 nos. TE: 349 nos. STG: 267 Ckm		Work under progress
8.b	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Aug'18		RVPNL/ M/s Aster Chennai	LGH: 480 Ckm TL: 676 nos. FDN: 676 nos. TE: 673 nos. STG: 404.18 Ckm	➤Slow progress	RVPNL expediting construction of Line.

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9	LILO of one ckt of Nathpa Jhakri – Abdullapur 400 kV D/C at Swara Kuddu	Mar'19	Nov'18	This line is ATS of Swara Kuddu (3x37MW) & is required for evacuation power from generating station.	HPPTCL	LGH: 3Ckm TL: 15 nos. FDN: 7 nos. TE: 2 nos. STG: 0 Ckm	Forest clearance obtained Work under progress.	
10	Unnao – Mainpuri (Quad) 765 kV S/C Line	Jul'17	uncertain	This would help in evacuating power from Anpara complex.	South East UP Power Transmission Company Limited (SEUPPTCL)	LGH: 188Ckm TL: 450 nos. FDN: 380 nos. TE: 274 nos. STG: 0Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL representative informed that GoUP is considering to take over transmission project and evaluation of completed work is under progress. Bids for valuers have been invited by M/s PFC. Valuation in expected by Jun-18.
11	Anta- Kota 400 kV D/C		June'18	Evacuation of power from Chhabra, Kawai, Kalisindh generation project.	RVPNL	LGH: 45.079 Ckm TL: 135 nos. FDN: 135 nos. TE: 135 nos. STG: 45.02 Ckm	➤ Contractual issues. ➤ Work order withdrawn from M.S. Transcom and awarded to M/s Unique Structures ➤ Involvement of forest (13 locs.), PTW received on 18.10.17. Work Restarted.	RVPNL expediting construction of Line.

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12.a	Rudrapur(Brahm wari) – Ghansali (Srinagar) line	Mar' 19	Jun' 19	Baramwari – Srinagar 220 kV D/C line and LILO of this line at Singoli Bhatwari HEP (92 km/184 ckm) are required for transfer of power from Singoli Bhatwari HEP up to Srinagar pooling station.	PTCUL	LGH: 182 Ckm TL: - 260 nos. FDN: - 70 nos. TE: - nos. STG: - Ckm	Contract with LANCO was terminated on 25.10.17. LOA placed to L&T on 28.03.18 with commissioning schedule of June, 19 in 2 packages.	Principal approval of forest case has been obtained. Compliance report for final approval of forest case has been submitted to regional office MoEF on 04-05-2018.
12.b	LILO of Baramwari - Srinagar at Singoli Bhatwari	Sep' 19	Dec' 19		Project Developer (L&T)	LGH: 5 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm		Line is being constructed by Hydro Project developer (L&T)
13.a	Tapovan Vishnugadh - Kunwari Pass (Pipalkoti) 400 KV D/C line	Sep' 19	Dec' 19	For transfer of power from Tapovan Vishnugad HEP and Vishnugad Pipalkoti HEP up to Srinagar pooling station.	PTCUL	LGH: 36 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Work awarded to M/s Tata Project with a commissioning schedule of Sept-2019	As per MOM held in CEA on 04-04-2018, it was informed by CTU that in JCC meeting NTPC intimated the commissioning schedule of Tapovan-Vishnugad HEP as September 2020. As a result there is a mismatch of about one year in commissioning schedule of PTCUL's Transmission line and Hydro Electric Project of NTPC.
13.b	Kuwari Pass (Pipalkoti)- Karanprayag – Srinagar 400 KV D/C line	Mar' 19	Sep' 20		PTCUL	LGH: 184 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Transmission line has been awarded to M/s Tata/ Ranjit Singh in 3 packages in Sep, 2017 with commissioning schedule as Sep, 2019..	

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14	400 KV D/C Srinagar-Kashipur	Mar, 19	Sep, 20	For evacuation of power from Singoli Bhatwari HEP(3x33MW), Tapovan Vishnugad HEP(4x1301MW) and Vishnugad Pipalkoti HEP(4x111MW) beyond srinagar, this line is required.	PTCUL	LGH: 304 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Contract had been awarded to M/s Cobra but due to poor financial condition of company, M/s Cobra had abandoned the project.	Award of scheme is expected in July, 18 with implementation time of 26 months.
15.a	220 KV S/C Alusteng – Drass – Kargil – Khalsti – Leh line	Jan'17	Sep'18	The transmission project shall provide grid connectivity and reliable power supply to the strategically important Ladakh region. The electric supply system of Ladakh Region in the State of J&K is currently isolated from the Northern Grid and is fed through local small hydro generation and diesel generator sets. Being an area of defence establishments and strategic importance, there is a need to improve the reliability of power supply through inter-connection with the Northern Grid.	PGCIL	LGH: 334 Ckm TL: - 1147 nos. FDN: - 1102 nos. TE: - 1054 nos. STG: - 282 Ckm	• Khalsti - Leh Line charged in Nov'17. • Kargil - Khalsti Line ready for charging. • For Drass - Kargil Line, severe RoW problem faced in Kargil Distt. Expected in Jul'18. • For Alusteng - Drass Line, Final forest clearance accorded in Jul'17. Expected in Sep'18 • Progress of Alusteng 220 kv s/s and Alusteng – Zainkote 220 kv line is slow	A meeting was held in CEA on 29.05.18 and PGCIL was suggested to jointly visit Alusteng S/s with JKPDD officers and explore options for charging the lines.

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15.b	220 kV Substation at Alusteng		Dec'18		JKPDD	132/33 KV level 75% completed. 220 KV Switchyard levelling u/p. 95% equipt. Received.	S/s was awarded to Jyoti structures ltd. Contractor left in 2014 due to fund crunch. Most of electrical equipments for substation are lying from 2009. Reconditioning job of transformers have been entrusted to M/S Toshiba TTDI for damaged/ missing/ unserviceable parts.	A meeting was held in CEA on 29.05.18 and JKPDD was advised to expedite Alusteng s/s and its interconnection 220 kv line with Zainkote s/s
15.c	Alusteng – Zainkote 220 kV line		Dec'18		JKPDD	Length: 100 CKm TL: 158 TF: 146 TE: 94 STG: 18 CKm	Line was awarded to M/s ECI, Hyderabad. Severe RoW issue at 12 locs.	
16.a	Tanda – Gonda 400 KV D/C line		Uncertain	ATS of Tanda TPP	UPPTCL/ SEUPPTCL	LGH: 200 Ckm TL: - 241 nos. FDN: - 97 nos. TE: - 54 nos. STG: - 0 Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL representative informed that GoUP is considering to take over transmission project and evaluation of completed work is under progress. Bids for valuers have been invited by M/s PFC. Valuation in expected by Jun-18.

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16.b	Gonda - Shahjehanpur (PG) 400 KV D/C line		Uncertain		UPPTCL/ SEUPPTCL	LGH: 460 Ckm TL: - 543 nos. FDN: - 296 nos. TE: - 140 nos. STG: - 0 Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL representative informed that GoUP is considering to take over transmission project and evaluation of completed work is under progress. Bids for valuers have been invited by M/s PFC. Valuation in expected by Jun-18.
16.c	LILO of 400 KV Azamgarh - Sultanpur at Tanda	Oct'18	Oct'18		UPPTCL	LGH: 2x 66.35Km TL: - 205 nos. FDN: - 189 nos. TE: - 39 nos. STG: - Ckm	Proposal for Railway crossing, NHAI crossing & one no. PGCIL Power line crossing submitted, approval awaited.	
17	Singrauli – Allahabad 400 kV S/C	Sep'18 (Rev.)	Sep'18	Evacuation of power from Singrauli complex	PGCIL	LGH: 153 Ckm TL: 436 nos. FDN: 409 nos. TE: 374 nos. STG: 114 Ckm	➤ ROW at Singrauli end ➤ Progress affected due to poor performance by executing agency.	PGCIL to expedite construction work.

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Critical Transmission Projects in Eastern Region(ER)

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1	Rajarhat – Purnea 400 kV D/C line	Dec'18 (Rev)	Dec'18	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 881 Ckm TL: 1223 nos. FDN: 1197 nos. TE: 1188 nos. STG: 778 Ckm	ROW issues being faced in Distt. South 24 Pargana (4 locs., 3 Kms), North 24 Pargana 21 locs., 20 Kms) stringing. Blockade near Rajarhat by local public is affecting progress of s/s works since Jan.'17. Forest approval in Jharkhand is also delayed. (Despite help from Distt. Adm., work extremely slow due to stiff resistance from local villagers) in Rajarhat area. Work resumed in Oct'17 with restricted / controlled access of site. But again stopped from 01.12.17 due to protest by locals.	Continued support from District/ state Administration is required for completing balance works. Matter being followed up at all level for early resolution.

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2	Angul – Jharsuguda 765 kV D/C line	Dec'17 (Rev)	Sep'18	Required for evacuation of IPP generation projects connected to Angul	Powergrid Corporation of India Limited (PGCIL)	LGH: 590 Ckm TL: 790 nos. FDN: 788 nos. TE: 777 nos. STG: 469 Ckm	➤ Gen. proj. in Srikakulam area delayed beyond 2017-18. ➤Stringing affected due to ROW near Angul, areas in Odisha (7 fdn., 8 T.E. & 19 Kms Stg.) and permission to work in issued for all division in forest area .Tree cutting approval received for 07/07 division Payment done.	Matter taken up with dist. Authority, and help from Distt. Adm. is required for balance works.

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3.a	North Karanpura – Chandwa 400 kV D/C	Sept'17	Uncertain	Evacuation of power from North Karanpura TPP (anticipated in 1 st quarter of 2018-19)	Adani Transmission Ltd	Work could not be started due to non-availability of NOC from CCL/MoC	➤ The evacuation line North Karanpura- Chandwa 400 kV D/C line is passing through coal blocks near the generating station. ➤ Due to non-availability of NOC from CIL the work is presently at standstill TSP has served notice on 13.04.2018 for TSA termination under Force Majeure clause and requested LLTC to return CPBG.	➤ The evacuation lines viz North Karanpura- Chandwa 400 kV D/C and North Karanpura- Gaya 400 kV D/C lines are passing through coal blocks near the generating station. Due to non -availability of NOC from CIL/MoC, the work could not start. Several meetings were held at CEA/MoP since Oct 2016 to resolve the issue of NOC. Recently a CCL board meeting was held on 27.12.2017, which also attended by CEA and NTPC representative and CCL Board has agreed to recommend proposal of revised route.

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3.b	North Karanpura – Gaya 400 kV D/C	Sep'19	Uncertain	do	Adani Transmission Ltd	Work yet to start	➤ North Karanpura- Gaya 400 kV D/C line is passing through coal blocks near the generating station ➤ Due to non-availability of NOC from CIL the work is presently at standstill TSP has served notice on 13.04.2018 for TSA termination under Force Majeure clause and requested LLTC to return CPBG.	➤ The evacuation lines viz North Karanpura-Chandwa 400 kV D/C and North Karanpura-Gaya 400 kV D/C lines are passing through coal blocks near the generating station. Due to non -availability of NOC from CIL/MoC, the work could not start. Several meetings were held at CEA/MoP since Oct 2016 to resolve the issue of NOC. Recently a CCL board meeting was held on 27.12.2017, which also attended by CEA and NTPC representative and CCL Board has agreed to recommend proposal of revised route.
4	Barauni TPS(Extension)-Hazipur 220kV D/C line.	Jun'16	Jun'18	The system is required for evacuation of power from Barauni TPS ext. (2x250+150) MW, presently power could be evacuated through existing 132kV system.	BSPTCL	LGH: 214 Ckm TL: 403 nos. FDN: 403 nos. TE: 214 nos. STG: 403 Ckm	ROW in Stringing caused delay.	Line completed except communication equipment and likely to be charged by 15th June'18.

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5	Sagardighi – Gokarna 400kV D/C line	Jul'15	June'18	This line is part of ATS of generation project Sagardighi-TPP (2x300MW). Out of 2 lines, one line has been commissioned. This line is required to meet the N-1 criteria.	WBSETCL	LGH: 88.5 Ckm TL: 154 nos. FDN: 154 nos. TE: 154 nos. STG: 83 Ckm	➤ Delay in obtaining Clearance from Railway & PGCIL, clearance for one railway crossing including approval of one tower foundation is pending till date. ➤ Poor performance of the vendor M/s Jyoti Structure Ltd.	WBSETCL is required to expedite the construction.

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6.a	Teesta III – Kishanganj 400 kV D/C	Feb'13	July'18	Hydro projects [Teesta III (1200MW), Tasheding (96MW), Dikchu (96MW), Teesta-V (450MW), Jorthang HEP (110MW), Chujachen HEP (110MW)] in Sikkim may face evacuation constraints in absence of Rangpo – Kishanganj section of line	Teestavalley Power Transmission Ltd. (JV of Govt. of Sikkim and POWERGRID)	LGH: 427 Ckm TL: 590 nos. FDN: 575 nos. TE: 565 nos. STG: 360 Ckm	Progress of project got affected due to objection from ELIM church & ROW issues from Soom & Naxalbari Tea State and Goke & Manjha forest and also due to resistance from Villages in Changa Basti (Mirik Block) & Tahapagaon village (Bijonbari block) in Darjalling foot hills. Work suspended due to resentment by Gorkha Land agitation in Jun'17 now resumed since Oct'17. Demolition of Church has commenced on 28.02.2018 and under progress. Demolition of 24 nos. houses out of 42 nos. houses coming under ROW of Transmission Line has been done and demolition of balance 18 nos. are under progress.	CEA had taken a meeting on 29.05.18 and it was advised to expedite progress. An officer from CEA would visit site to assess progress and resolve row/ issue

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6.b	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.	Jun, 20	-	-Do-	PGCIL	i) Loop - In portion of LILO line up to Rangpo completed. ii) Loop - Out portion: LGH: 30 Ckm TL: 45 nos. FDN: 3 nos. TE: 0 nos. STG: 0 Ckm	As agreed in ERPC, the loop out portion of line is to be implemented under a separate new scheme. (Earlier part of Sikkam-B project deferred for implementation due to forest issues (Eco-sensitive Zone).	Award placed in Dec'17. New route of LOOP-Out portion finalized. Forest proposal already submitted on 04.11.17. Tree verification and CA scheme done. Revised forest proposal (40.9 Ha) submitted to DFO, Namchi. CEA had taken a meeting on 29.05.18 and PGCIL was advised to postpone the completion of LILO line.

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7	Jharsuguda – Raipur 765 KV D/C line	Aug'19	July'18	Common transmission system associated with Ph-II generation projects in Odisha	Odisha Generation Phase-II Trans. Limited (A subsidiary of Sterlite Power Trans. Limited)	LGH: 608 Ckm TL: 782 nos. FDN: 767 nos. TE: 735 nos. STG: 410 Ckm	1. RoW issue: Facing Severe Right Of Way (RoW) issues in 7 Nos Locations in between 128/0 to 129/0 in Village - Banjhikochar (Jamkani reserve forest area), Tehsil – Hemgir, Dist – Sundargarh. 2. 1 nos Locations in between 104A/0, Village - Banipathar, District- Raigarh. 3. Facing Severe Right Of Way (RoW) issues by Western Coalfields Ltd (WCL) in 17 Nos locations in between 125/3 to 126/0 (approx. 7 kms) as the coal blocks has been allotted to Ghogharpali & Dip extension Ghogharpali Pali. Earlier at the time of Sec-164 and Detailed survey, these blocks were not allotted and now they are asking for route change. All the 17 towers has already been erected as per the Sec-164 approval.	Help required from District Collector, Sundargarh for providing police protection.

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Critical Transmission Projects in Western Region(WR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Vadinar-Amreli 400 kV D/C line(balance)	Nov, 09	Mar'19	Associated with Salaya TPS for evacuation of power and its completion would relieve over loading of Hadala - Chorania S/C line. However, interim arrangement with completed portion of Amreli-Vadinar one ckt terminated at Jetpur and second ckt terminated at Hadala relieved loading of Chorania – Kasor.	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 239 Ckm TL: 365 nos. FDN: 309 nos. TE: 267 nos. STG: 118.26 Ckm (117 ckm of line commissioned in Jan 14 through interim arrangement)	Progress affected due to contractual issue with M/s Jyoti and contract has been terminated and Price Bid opened on 22.01.2018 and LOA is issued on 05.03.2018.	GETCO has taken the necessary action and invited the Risk & Cost Tender. LOA is issued on 05.03.2018.
2	Amreli – Kasor 400 kV D/C line.	June'13	Dec'18	It would relieve Chorania - Kasor S/C line.	Gujarat Energy Trans. Corp. Limited (GETCO))	LGH: 471 Ckm TL: 679 nos. FDN: 621 nos. TE: 570 nos. STG: 161.5 Ckm	Progress affected due to severe row issues and contractual issue with M/s Gaytri	Works in progress.

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3	Mahan-Sipat(Bilaspur) Pooling station 400 kV D/C line	Mar'13	Jun'18	This line is associated with Mahan TPS(2x600MW) of Essar Power for evacuation of power. Presently power is being evacuated through interim connectivity with LILO of 400 kV Korba-V'chal-1.Bilaspur PS commissioned in Mar'12 and delay of dedicated Mahan- Bilaspur line causing constraints in the transmission system from Korba STPS.	Essar Power Transmission Co. Ltd. (EPTCL)	LGH: 670 Ckm TL: 942 nos. FDN: 942 nos. TE: 942 nos. STG: 617 Ckm	Due to severe RoW issues, local disputes & resistance from farmers the progress has badly hampered. Delay of fund disbursement also played a major role in delay of project progress.	Work is progressing under police protection and administration support which is arrange with difficulty. Work may extend up to 4th week of June.
4.a	Bableshwar-Kudus 400 kV D/C line	Mar'16	Uncertain	Due to delay in commissioning of 400 kV Bableshwar –Kudus D/C line, heavy loading is observed on 400 kV Bableshwar - Padghe line. Further 400 kV Ektuni-Bableshwar only one circuit is kept in service by MSETCL to control the loadings at Bableshwar.	Maharashtra State elect. Transmission Company Ltd. (MSETCL)	LGH: 447 Ckm TL: 713 nos. FDN: 598 nos. TE: 522 nos. STG: 157.3 Ckm	Progress affected in Nashik and Vashi Zones due to involvement of 148 Ha of forest area and severe RoW issues at 75 locs. GMRT: Consequent to the committee report, survey for revised route has been carried out. The map of diverted route is sent to committee for NOC. Clearance received from committee members.	The variation in locations and line length is due to diversion of route due to GMRT. 79 nos. foundations and 60nos. towers will be scrapped due to route diversion by GMRT.

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4.b	2x500MVA, 400/220 kV Kudus S/s and associated 220 kV downstream system:	Mar 16	Dec'17/ Mar'18	-do-	MSETCL	LA: 100% CW:88% ER: 100% EE: 98%		400/220kV, 500MVA ICT-I &II test charged on dtd 29-12-2017 & 15-03-2018. Major civil works in progress: 1) Ground storage reservoir 2) WBM road 3) Nallah diversion
4.c	a) 220 kV MC LILO on 220kV Kolshet - Wada line at 400kV Kudus S/s - 6.2 kms b) 220 kV LILO on 220kV Padghe - Wada line at 400kV Kudus S/s by stringing 3rd & 4th Ckt on M/C towers at (a) above - 6.2 kms.	Nov'18	Nov'18	Downstream network at Kudus s/s.	MSETCL	LGH:25.37Ckm TL: 50 nos. FDN: 11 nos. TE: 0 nos. STG: 0 Ckm	Forest : Area involved 10 ha Online submission of proposal: FP/ MH/TRANS/30180/2017 dt 9.11.2017 ROW : 8 Loc. Proposal submission: 208 dt 16.3.2018 to SDO Bhiwandi, Loc No.44,49,50 631 dt 11.4.2018 ,Loc No.41,42,43 364 dt 20.4.2018 ,Loc No 38,47	Forest : Online queries raised on dt 9.11.2017 are complied on dt 20.11.2017 Joint inspection carried out on dt 25.1.2018 with forest officer. Application for FRA submitted vide 136 dt 22.2.2018. ROW : SDO orders received on 04.05.2018 for all 8 locs
4.d	Construction of 220kV MC (Twin) line by making LILO of 220kV Tarapur – Borivali line and Boisar – Ghodbandar line at 400 kV Kudus (Padghe II) s/s – 27 km	Jul'19	Jul'19	Downstream network at Kudus s/s.	MSETCL	LGH: 117.42 Ckm TL: 116 nos. FDN: 09 nos. TE: 0 nos. STG: 0 Ckm	Forest : As per original survey, forest area was 26 Ha (Approx), accordingly online forest proposal was submitted. Now, revised check survey carried out to minimise involvement of forest area. Revised forest area is 2.95Ha ROW : Revised route approved for Loc. no. 75, 76, 77, 78 & 79 to avoid ROW.	ROW : Hearing carried out on dt 19.4.2018.

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5	Akaltara TPS– Champa pooling station 400 kV 2x D/C line	Jun'15	Uncertain	-NA-	KSK Mahanadi Ltd.	TLG: 56 Ckm TL: 83 nos. FDN: 68 nos. TE: 54 nos. STG: 12Ckm No progress	Fund constraints No progress	
6	Salora TPS - Dharamjaigarh 400 kV D/C line	Jul'12	Uncertain	This line would complete the evacuation system of Salora TPS by Vandana vidyut limited. In 40th SCM Meeting: M/s VVL was Not present. As informed by M/s BALCO, work on dedicated line has not yet started. WRLDC filed petition to CERC for disconnection.	Vandana Vidyut Ltd. (VVL)	LGH: 60 Ckm TL: 84 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm M/s VVL has not started line construction.	Project authority has also not been able to execute PPA yet. Target Commissioning date will be provided after approval/receipt of loan from lenders.	Project authority is yet to execute PPA

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7	LILO of Lonikhand (MSETCL) – Kalwa (MSETCL) 400 kV line at Navi Mumbai	Dec'18 (Rev)	Dec'18	For drawl of power for feeding loads in and around Navi Mumbai area	Powergrid Corporation of India Limited (PGCIL)	LGH: 16 Ckm + 1.8 km u/g cable TL: 25 nos. FDN: 25 nos. TE: 25 nos. STG: 16 Ckm	A portion (1.8 Kms) of line being executed using underground cable, affected due to severe ROW problem. In Dec'16 local miscreants burnt about 850 mtrs. cable. 2.7 Km to be replenished due to damage by miscreants. Replacement being arranged. Completion expected by DEC'18. However, commissioning linked to readiness of downstream system of MSETCL (Critical).	Police protection/ administrative support is requested to complete balance work.
8	BECL (Padva) - Botad 220kV D/C line		Dec'18	Three 220kV line had been planned for evacuation of power from Bhavnagara Padva generation project. Out of 3, 220kV D/C lines, 2 lines has already been commissioned and completion of 3 rd line is pending due to severe RoW issue in Botad area. This Line is also required for evacuation of power from BECL (Padva)- 2X250 MW in Gujarat state.	GETCO	LGH: 190 Ckm TL: 292 nos. FDN: 182 nos. TE: 142 nos. STG: 33.8 Ckm	➤ Severe RoW problems in Botad area.	

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9	Mundra (Adani) - Zerda 400kV D/C line 1	Mar'17	Mar'19	This transmission line is part of ATS of Mundra TPP Ph.II (2x660MW), out of two no. 400kV D/C lines, one has already been completed. The line is required to meet the N-1 criteria for the project.	GETCO	LGH: 664 Ckm TL: 997 nos. FDN: 453 nos. TE: 275 nos. STG: 0 Ckm	Progress has been affected due to severe RoW problem. The executive agency is M/s Lanco for Pkg 1&2 and M/s Gayatri for Pkg 3. Further, there are contractual issue with M/s Lanco & M/s. Gaytri.	Notice for Risk & Purchase has been issued to the contractor. Party has approached to High Court to revert the Risk & Purchase decision of GETCO. High Court issued final order on 07/05/2018 and dismissed the request of the petitioner. On 08/05/2018, GETCO issued notice to the contractor to short close the tender and to invite the fresh tender at risk & cost of him. On 10/05/2018, GETCO initiated the action for encashment of the Bank Guarantee. GETCO further, requested to the contractor to hand over the store material to GETCO latest by 17/05/2018. After finalization of material accounting, the risk & purchase tender is planned to be invited in the month of July-2018.

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10	400KV D/C Wardha - Aurangabad line (up-gradation 1200KV S/C)	Oct'08 / Mar'16 / Mar'18	Dec'18	Regional System Strengthening in WR for Mundra (UMPP)	PGCIL	LGH: 700 Ckm TL: 961 nos. FDN: 960 nos. TE: 938 nos. STG: 536 Ckm	Contract terminated 01 out of 02 packages due to unsatisfactory performance and fresh tender taken up. The package subsequently bifurcated into two part. Ist part awarded in Dec'14 and second part in Feb'15. The remaining 01 pkg. also terminated in Aug'15 due to poor performance. However, contract was revived in Feb'16. Severe ROW being encountered.	
11	765KV D/C Gadawara - Warora Pooling Stn. line	Nov'17	June'18	Transmission System associated with Gadawara STPS (2x800 MW) of NTPC.	PGCIL	LGH: 627 Ckm TL: 837 nos. FDN: 837 nos. TE: 837 nos. STG: 616 Ckm	Severe ROW being faced in Maharashtra. Work was stalled at waiver due to Law & order problem created. Work restarted, progress slow.	
12.a	Wanakbori TPS- Soja 400 KV D/C line		June'18	ATS of Wanakbori TPS	GETCO	LGH: 212 Ckm TL: 343 nos. FDN: 263 nos. TE: 263 nos. STG: 125 Ckm		

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12.b	Soja – Zerda 400 KV D/C line		Nov'18		GETCO	LGH: 268 Ckm TL: 447 nos. FDN: 371 nos. TE: 357 nos. STG: 147.6 Ckm		
12.c	LILO of 400 KV Wanakbori -Soja line at Dehgam (PG) S/S		Jun'18		GETCO	LGH: 14 Ckm TL: 23 nos. FDN: 16 nos. TE: 11 nos. STG: - Ckm		

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Critical Transmission Projects in Southern Region(SR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Edamon-Muvattupuzha (Cochin) 400kV D/C line	Sep'18 (Rev)	Sep'18	➤To decongest 220kV North - South corridor of Kerala. ➤It is also a part of ATS of Kundakulam APP (2x1000MW)	Powergrid Corporation of India Limited (PGCIL)	LGH: 296 Ckm TL: 447 nos. FDN: 367 nos. TE: 307 nos. STG: 102 Ckm	ROW issues in Dist. Kollam, Pathanamthitta, Kottayam and Ernakulam. With the help of Police protection force work in Kollam, Kottayam and Pathanamthitta, distt. in moving progressively. Ernakulam distt. issue is over except one-line diversion.	Support continued required from Distt. Admn. for assessment of compensation for Tower Standing Area(TSA), sequential finalization of Corridor & augmentation of dedicated Tahsildar & Surveyors for assessment of tree compensation. Work is being done with the help of Police protection.

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2	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Sep'18	Constraints on Import of power from New grid to SR through Raichur-Sholapur 765kV D/C line.	Powergrid Corporation of India Limited (PGCIL)	LGH: 132 Ckm TL: 176 nos. FDN: 142 nos. TE: 122 nos. STG: 0 Ckm	Severe RoW issues at 46 locs (Tumkur -1, Bangalore Urban - 10, Bangalore Rural- 35) and also obstruction from activists of 'Karnataka Raithu Sangha. Work hindered due to severe ROW issues and the agency has demobilised gang from site since Oct'15.	Revenue survey is being done along the line to ascertain compensation. Revenue survey in 4 kms corridor is balance in Tumkur distt. Revenue survey in 24 Kms corridor in Bangalore Rural and 04 Kms corridor in Bangalore urban is yet to be taken up by Revenue Deptt. Meanwhile, award for balance work is placed in Dec'17. Work u/p.

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3	Somnahally-Dharmapuri (Salem) 400kV D/C line	Sep'18 (Rev)	Sep'18	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 332 nos. TE: 322 nos. STG: 202 Ckm	Severe ROW problem in Bangalore (Urban)- in 32 kms. stretch. affected. Work in Tamilnadu portion completed and balance work held up in Karnataka due to ROW. Due to severe protest by Raitha Sangha members & local man and also man handling with labours, stringing work has been stopped in the section 134/0 – 185/0 w.e.f. 31.03.18. Police protection required for foundation at locs no. 123 (Govt. land).	DC Bangalore issued compensation on 07.10.2017. for 5 villages. Revenue survey in 02 villages are in progress. Police protection is being pursued as when required by Powergrid. Work under progress. Commissioning expected by Sep'18
4.a	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line (TBCB)	Dec'15	Sep'18	Congestion on S1-S2 Corridor. This transmission line is part of ATS of Cuddalore TPS (2x600MW), out of three no. lines two has already been completed.	Powergrid Corporation of India Limited (PGCIL)	LGH: 219 Ckm TL: 575 nos. FDN: 573 nos. TE: 569 nos. STG: 160 Ckm	➤ Severe ROW being faced in Karnataka portion (130 Kms) of the line and work almost stand still since several months. ➤ Work almost stalled in ramnagar district (85 Kms) and in Tumkur district (45 Kms). Help urgently required for resolution of ROW.	➤ Administrative support required in resolving ROW issues and providing police support in critical locations.

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4.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'18 (Rev)	Sep'18	This transmission line is part of ATS of Mutiara (Melamaruthur) (Coastal Energen) TPP (2x600 MW).	Powergrid Corporation of India Limited (PGCIL)	LGH: 243 Ckm TL: 644 nos. FDN: 644 nos. TE: 644 nos. STG: 223 Ckm	➤Balance works affected due to interruption by land owners & Karnataka Rajya Raitha in Devanahalli, Dodaballapur, Bangalore Rural & Chickballapur Districts Work is being stopped by the villagers frequently.	➤Revised compensation disbursed by DC, Banlolor (Rural) on 01.09.17 and 06.09.17 to land owners of Devanahali & Doddaballpur villages. After this, stringing work in Doddaballpur started w.e.f 16.09.17. DC, Bangalore (Rural) issue compensation order for 46 nos. of villages on 20.11.17 with this order for all villages issued. Police protection is required to complete the balance stringing work.

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5	2x100 MVA, 220/132kV, Huzur nagar S/s		Jun'18	Do	TSTRANSCO	Works under progress.	The transportation of Power Transformers is getting delayed due to approach road constraint. The issue is taken up with Local Panchayathraj officials for widening of approach road	Road widening proposals are pending with Panchayath Raj Department.
6	765KV D/C Vemagiri - Chilakaluripeta line	Apr'19	Apr'19	Improve power evacuation from 765 KV Vemagiri (PG), relieve constraints in 400 KV network at Vemagiri (PG), and may increase the transfer capability towards Southern Region. NEW – SR transfer capability will improve.	PGCIL	LGH : 552 Ckm TL : 748 nos. FDN :678 nos. TE : 621 Nos. STG : 399 Ckm	ROW being faced in Krishna Distt. (32 locs) in Nandigram Mandal..	
7	765KV D/C Chilakaluripeta - Cuddapah line	Apr'19	Apr'19	Strengthening of Transmission System beyond Vemagiri.	PGCIL	LGH : 563 Ckm TL : 764 nos. FDN : 739 nos. TE : 731 nos. STG : 505 Ckm	Final forest clearance received April 18. Work under progress.	
8	400KV D/C Cuddapah - Madhugiri Trans. line (Q)		Feb'19	Will decrease loading on 400 KV lines at Kolar – Hosur – Salem and improve reliability of power transfer between S1-S2 corridor.	PGCIL	LGH : 477 Ckm TL : 649 nos. FDN : 598 nos. TE : 576 Nos. STG :299 Ckm	ROW being faced. Final forest clearance received April 18. Work under progress.	

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9	LILO of 765KV D/C Kurnool - Thiruvallam line at Cuddapah.	Jul'18	Jul'18	Will decrease loading on 400 KV lines at Kolar – Hosur – Salem and improve reliability of power transfer between S1-S2 corridor.	PGCIL	LGH : 190 Ckm TL : 267 nos. FDN : 267 nos. TE : 265 Nos. STG : 186 Ckm	Work under progress.	
10	Vemagiri – Kamavarapukota 400 KV D/C line	Oct'17	Dec'18	Relieve constraints in 400 KV network at Vemagiri (PG).	APTRANSCO	LGH : 185 Ckm TL : 268 nos. FDN : 130 nos. TE : 97 Nos. STG : 17 Ckm	Works under progress.	
11.a	Julurupadu – Jangaon 400 KV D/C line		Sep'18	ATS of Kothagudem TPS st-VII	TSTRANSCO	LGH : 350 Ckm TL : 489 nos. FDN : 448 nos. TE : 332 Nos. STG : 110 Ckm	Works under progress.	
11.b	Jangaon s/s		Aug'18		TSTRANSCO	LA: 100% CW: 50% ER: 40% EE: 30%	Works under progress.	
12	Manuguru TPP (Bhadradi TPS) - Julurupadu 400 KV D/C line		Jun'18	ATS of Bhadradi TPS	TSTRANSCO	LGH : 222 Ckm TL : 313 nos. FDN : 313 nos. TE : 310 Nos. STG : 220 Ckm	Due to severe RoW, 3 Nos Location Tower Erections are pending.	

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13.a	New Neyveli TPP - Ariyalur (Villupuram) 400 KV D/C line		Jul'19	ATS of Neyveli New TPP	PGCIL	LGH : 148 Ckm TL : 205 nos. FDN : 43 nos. TE : 8 Nos. STG: - Ckm		
14.b	LILO of existing 400 KV Neyveli TS-II - Pondycherry at New Neyveli TPP		Jul'19		PGCIL	LGH : 7 Ckm TL : 10 nos. FDN : 10 nos. TE : 10 Nos. STG: - 7 Ckm		

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STG: Stringing Completed;

Critical Transmission Projects in North Eastern Region(NER)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Silchar - Melriat (PG) 400 kV D/C lines (To be Charged at 132 kV)	Jun'18 (Rev)	Jun'18	High loading at 400/132 kV, 125 MVA ICTs at Palatana under 100 MW power supply to Bangladesh & high demand of Tripura.	Powergrid Corporation of India Limited (PGCIL)	LGH: 287 Ckm TL: 451 nos. FDN: 451 nos. TE: 444 nos. STG: 242 Ckm	Major portion of line is in forest. Package re-awarded in Jun'16. Delay in tree cutting affecting site progress is affecting progress. ROW constraint arising due to high demand of compensation in villages under Kolasib and Aizwal distt. Is also affecting completion. Matter has been taken up with DC Kolasib & Aizwal and G/O Mizoram.	Tree cutting in forest area needs to be expedited by forest department.

Legends:

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ER: S/s equipment received;

TE: Towers Erected;
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Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
2	Bongaigaon TPS – Rangia 220kV D/C line	Jan'13	Jun'18	One 400kV, two 220kV and one 132 kV line had been planned for evacuation of power from Bongaigaon TPS. Out of 4 lines 2 lines (400kV, 220kV) have been commissioned and balance 2 nos. transmission lines are pending. These lines would be required for evacuation of full power from Bongaigaon TPS. Out of 3 generating units, two has been commissioned and balance two are scheduled to complete by Apr'18.	AEGCL	LGH: 326 Ckm TL: 517 nos. FDN: 513 nos. TE: 511 nos. STG: 242.37 Ckm	Transmission line delayed due to re-alignment of line because of proposed airport at BTAD area, 800 kV HVDC line of PGCIL, ROW issues & Law & order issues.	1. All the major hindrances are being overcome with utmost emergency basis. 2. All normal Foundations have been completed, 3. Out of total 10 nos., 6 nos. of Pile foundations completed, Work on 3 nos. pile foundation is in progress. 4. 245.902 ckm of line are idle charged.
3	Dikchu HEP- Dikchu pool 132kV D/C line.		May'19	This Line is required to evacuate power from Dikchu HEP (2x48MW), In absence of this line, the power from Dikchu HEP is being evacuated through interim arrangement of LILO of Teesta III-Rangpo 400kV line at Dikchu.	SKPPL	Work yet to be awarded by the generation company. The interim LILO line has been completed for evacuation of Power.	Dikchu pooling station and connecting network is covered under Comprehensive T&D scheme being constructed by PGCIL. The land for Dikchu pooling station is yet to be handed over to PGCIL. Route survey of 220KV D/C Dikchu-Singhik (20 Km) line and 220KV D/C Rangpoo (Samardong) - Dikchu (to be operated initially 132KV) has been completed. Foundation work completed.	PGCIL and Power Dept. Sikkim to expedite it

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4	Silchar (PG) – Misal (PG) 400kV D/c (Q) line	Nov'20	Jul'19	Enhance reliability and transfer capability of NER power system.	Sterlite Power Transmission Ltd.	LGH: 349.44 Ckm TL: 489 nos. FDN: 84 nos. TE: 6 nos. STG: 0 Ckm		Forest proposal submitted on 04.08.2017. Works under progress.

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Critical Transmission Projects in Inter-Regional (IR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
	NIL							

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TL: Total Location;
CW: Civil works completed;

FDN: Foundation Completed;
ER: S/s equipment received;

TE: Towers Erected;
EE: S/s equipment erected

STG: Stringing Completed;