



ISO: 9001-2008

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

(As on 31.10.2018)

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

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Summary

Sl. No.	Region	765 KV		400 KV		220 KV		Page No.
		No Tr. Lines	No of Substations	No Tr. Lines	No of Substations	No Tr. Lines	No of Substations	
1	Northern Region	4	0	11	1	6	1	2-10
2	Eastern Region	2	0	6	0	0	0	11-14
3	Western Region	0	0	11	0	3	0	15-20
4	Southern Region	5	0	8	0	0	1	21-23
5	North Eastern Region	0	0	2	0	1	0	24-25
6	Inter-Regional	0	0	0	0	0	0	26-26
	Total	11	0	38	1	10	2	Total Elements :62

Legends:

LGH: Total Length;
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ROW: Right of Way;

Critical Transmission Projects in Northern Region(NR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint	Executing Agency	Progress	Reason for delay and brief 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, a subsidiary of Reliance Power Transmission Corporation Limited)	Line was covered under transmission project awarded through TBCB route in May,2010 but construction of line is yet to start.	➤ NKTCL approached Central Electricity Regulatory Commission (CERC) for tariff revision & Force Majeure. CERC order dated 09.05.2013, which was challenged by NKTCL in Appellate Tribunal for Electricity (ATE). ATE allowed the appeal filed by company and set aside the unfavorable CERC order. ➤ Concerned utilities in Tamilnadu, Gujarat and Maharashtra have appealed against the order of ATE in the Supreme Court of India	➤ 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 14.11.18.
2	Mohindergarh - Bhiwani 400kV D/C line.	Aug'18	Mar'19	Mohindergarh - Dhanonda 400kV D/C line is critically loaded. These loaded lines would be relieved 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: 137 nos. TE: 72 nos. STG: 3 Ckm	➤ Forest clearance (2.7 Ha) awaited. Stg.-I received. Severe ROW in Bhiwani portion affecting progress.	➤ PGCIL to expedite progress of line for early completion keeping in view the criticality of its requirement.

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3	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Dec'18	Required for evacuation of power from (3X 110 MW) Kishanganga HEP	Powergrid Corporation of India Limited (PGCIL)	LGH: 232 Ckm TL: 252 nos. FDN: 251nos. TE: 250 nos. STG: 216 Ckm	➤Slow progress due to compensation issue. ➤Severe ROW at 01 loc. & 5 Kms stringing.	➤Expected completion by Dec'18
4	Anpara-D – Unnao 765kV S/C line.	Jan'12	Mar'19	Required for evacuation of power from Anpara-D STPS.	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	LGH: 426.15Ckm TL: 1225 nos. FDN: 1195 nos. TE: 1106 nos. STG: 346.243 Ckm	➤765 KV Jhusi-Unnao section complete. Work on Anpara-Jhusi section incomplete. ➤Contract of M/s Jyoti Structures Limited has been terminated on 26.07.18 due to very poor progress. ➤Balance works awarded to M/s Simplex Infra on 17.09.18 but work is held up due to hindrances being created by local sub-contractors of previous contractor M/s Jyoti Structures.	➤Physical verification of store shall be started on 04.11.2018. Pending liabilities of petty contractors is being calculated.

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5	Bara TPS-Mainpuri 765kV S/C line-I.	Jun'17	uncertain	Out of 2 no. 765kV S/C lines, 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.	South East UP Power Transmission Company Limited (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 informed that GoUP is considering various options for quick and amicable resolution for completion of project on commercially viable purchase price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.
6.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 for completion by year 2019-20	H.P. Power Transmission Corporation Limited (HPPTCL)	LGH: 36 Ckm TL: - 59 nos. FDN: - 5 nos. TE: - nos. STG: - Ckm	➤Work awarded in Dec'17. ➤ CA (Compensatory Afforestation) and NPV (Net Present Value) amount deposited. ➤ Case has been processed for Stage II. Work permission obtained from DFO Bharmour.	➤Work in Progress.
6.b	Lahal-Chamera 400kV D/C line	Oct'16	Dec'19	-Do-	H.P. Power Transmission Corporation Limited (HPPTCL)	LGH: - 71 Ckm TL: - 114 nos. FDN: - nos. TE: - nos. STG: - Ckm	➤Work awarded on 02.04.18. ➤In principle approval of the forest case obtained on 23.04.2018. ➤Process for depositing the CA (Compensatory Afforestation) and NPV (Net Present Value) amount initiated. FRA Certificate Obtained.	➤Soil Investigation under process.

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6.c	630 MVA, 400/220/33 kV Lahal (GIS)	Oct'16	Jun'19	-Do-	H.P. Power Transmission Corporation Limited (HPPTCL)	LA:100% CW:70% ER: 50% EE: 30%	➤ Road Widening required for carriage of transformers. Severe road damage due to torrential rains in Sept-18	➤ Work of road widening under progress.
7	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Oct'18	This line is part of ATS of Suratgarh Super Critical TPS (2x660 MW).	Rajasthan Rajya Vidyut Prasaran Nigam Limited (RVPNL)/ M/s Aster Chennai	LGH: 480 Ckm TL: 676 nos. FDN: 676 nos. TE: 676 nos. STG: 433.03 Ckm	➤ Slow progress ➤ Aviation NOC (No Objection Certificate) received.	➤ Stringing work under progress. RVPNL to expedite construction of Line.
8	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.	H.P. Power Transmission Corporation Limited (HPPTCL)	LGH: 3Ckm TL: 15 nos. FDN: 9 nos. TE: 9 nos. STG: 0 Ckm		➤ Work under progress.

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9	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 informed that GoUP is considering various options for quick and amicable resolution for completion of project on commercially viable purchase price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.
10.a	Rudrapur(Brahmawari) – Ghansali (Srinagar) 220 KV D/C 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.	Power Transmission Corporation of Uttaranchal Limited (PTCUL)	LGH: 182 Ckm TL: - 260 nos. FDN: - 121 nos. TE: - 16 nos. STG: - Ckm	➤Old contract with M/s LANCO Infratech Ltd was terminated on 25.10.2017. ➤Balance work of Line was awarded to M/s L&T on 28.03.2018	➤The issue of payments to sub-contractors of M/s LANCO is required to be settled, for which a committee of different wing of PTCUL constituted.

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10.b	LILO of Baramwari - Srinagar at Singoli Bhatwari 220 KV D/C line	Sep'19	Dec'19	-Do-	Project Developer (L&T)	LGH: 5 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	➤Contract with LANCO for Brahamwari-Srinagar line was terminated on 25.10.17. ➤LOA (Letter of Agreement) placed to L&T for Singoli-Bhatwari to Srinagar section of line 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 (Ministry of Environment), Forest on 04-05-2018.
11.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.	Power Transmission Corporation of Uttaranchal Limited (PTCUL)	LGH: 36 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	➤Commissioning schedule of Sept-2019. ➤Forest case submitted on 10-06-2018. Principal approval is pending. ➤Work awarded to M/s Tata Project with a commissioning schedule of Sep'2019	➤Commissioning schedules of Tapovan-Vishnugad HEP has been revised to September, 2020 and for Vishnugad Pipalkoti revised to Nov, 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 (National Thermal Power Corporation Limited) & THDC (Tehri Hydro Development Corporation Limited).
11.b	Kuwari Pass (Pipalkoti)-Karanprayag – Srinagar 400 KV D/C line	Mar'19	Sep'20	-Do-	Power Transmission Corporation of Uttaranchal Limited (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. ➤Forest case under preparation and expected to be submitted by Sept 2018.	

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12	Srinagar-Kashipur 400 KV D/C line	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.	Power Transmission Corporation of Uttaranchal Limited (PTCUL)	LGH: 362 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. ➤ Fresh tendering in process for the project.	➤ Award of scheme is expected in March 19 with implementation time of 18 months.
13.a	Alusteng – Drass – Kargil – Khalsti – Leh 220 KV S/C line	Jan'17	Nov'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.	Powergrid Corporation of India Limited (PGCIL)	LGH: 334 Ckm TL: - 1146 nos. FDN: - 1141 nos. TE: - 1129 nos. STG: - 316 Ckm	➤ Khalsti - Leh Line charged in Nov'17. ➤ Kargil - Khalsti Line charged in Sep'18. ➤ For Drass - Kargil Line, charged in Sep'18. ➤ For Alusteng - Drass Line, Final forest clearance accorded in Jul'17. Expected completion in Oct'18	➤ Tower foundation and tower erection works are under progress ➤ This section will be ready by Nov'18.
13.b	320 MVA, 220/132 kV Substation at Alusteng		Dec'18	-Do-	Power Development Department Jammu & Kashmir (JKPDD)	132/33 KV level 90% completed. 220/132 KV level 84 % completed.	➤ Reconditioning of Power Transformers taken up by OEM and works under progress. ➤ Concreting and Mettalling of Switch Yards in progress. ➤ Equipment erection in 220/132 kV switchyard in progress.	➤ A meeting was held in CEA on 20.06.18 and JKPDD was advised to expedite works of Alusteng s/s matching with Alusteng (Srinagar) – Leh Line.

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13.c	Alusteng – Zainkote 220 kV D/C line		Dec'18	-Do-	Power Development Department Jammu & Kashmir (JKPDD)	Length: 100 CKm TL: 157 TF: 149 TE: 112 STG: 20 CKm	➤ Line was awarded to M/s ECI, Hyderabad. ➤ Severe RoW issue.	➤ Tower erection/stringing under progress.
14.a	Tanda – Gonda 400 KV D/C line		Uncertain	ATS of Tanda TPP	South East UP Power Transmission Company Limited (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 informed that GoUP is considering various options for quick and amicable resolution for completion of project i.e. takeover of transmission project on commercially viable purchase price or price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.

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14.b	Gonda - Shahjehanpur (PG) 400 KV D/C line	Aug'15	Uncertain	-Do-	South East UP Power Transmission Company Limited (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 informed that GoUP is considering various options for quick and amicable resoulation for completion of project i.e. takeover of transmission project on commercially viable purchase price or price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.
14.c	LILO of 400 KV Azamgarh - Sultanpur at Tanda	Oct'18	Dec'18	-Do-	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	LGH: 2x 66.35Km TL: - 206 nos. FDN: - 199 nos. TE: - 191 nos. STG: - 82.816 Ckm	➤ Proposal for Railway crossing, NHAI crossing submitted and approval awaited.	➤ Line likely to be completed by Dec-18.
15	Singrauli – Allahabad 400 kV S/C	Sep'18 (Rev.)	Dec'18	Evacuation of power from Singrauli complex	Powergrid Corporation of India Limited (PGCIL)	LGH: 154 Ckm TL: 435 nos. FDN: 417 nos. TE: 398 nos. STG: 123 Ckm	➤ ROW at Singrauli end. ➤ Work also affected due to poor performance by executing agency.	➤ PGCIL to expedite construction work.

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Critical Transmission Projects in Eastern Region(ER)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required/Remedial measures taken
1	Rajarhat – Purnea 400 kV D/C line	Dec'18 (Rev)	Jan'19	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 881 Ckm TL: 1219 nos. FDN: 1206 nos. TE: 1199 nos. STG: 822 Ckm	➤ Severe ROW problem at Rajarhat area. Processing of forest case in Jharkhand slow. Work in Rajarhat was hold since last 16 months. Work resumed in Oct'17 again stopped on 01.12.2017 due to protest.	➤ Matter followed up at all levels for early resolution. Now work re-started on 12.08.18 with the help of administration. Work under progress
2	Angul – Jharsuguda 765 kV D/C line	Dec'17 (Rev)	Nov'18	Required for evacuation of IPP generation projects connected to Angul	Powergrid Corporation of India Limited (PGCIL)	LGH: 590 Ckm TL: 790 nos. FDN: 790 nos. TE: 790 nos. STG: 588 Ckm	➤ Stringing affected due to ROW near Angul, areas.	➤ Completion expected in Nov'18
3	Sagardighi – Gokarna 400kV D/C line	Jul'15	Dec'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.	West Bengal State Electricity Transmission Company Limited (WBSETCL)	LGH: 88.5 Ckm TL: 154 nos. FDN: 153 nos. TE: 153 nos. STG: 86.9 Ckm	➤ Work Delayed due to poor performance of the vendor (Jyoti Structures Ltd.).	➤ Work under progress.

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4.a	North Karanpura – Chandwa 400 kV D/C line	Sept'17	Uncertain	Evacuation of power from North Karanpura TPP (anticipated in 1 st quarter of 2018-19).	North Karanpura Transmission Ltd. (NKTL, a subsidiary of Adani Power Transmission Ltd.)	Work could not be started due to non-availability of NOC from CCL/MoC	➤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 (No Objection Certificate) from CIL/MoC, the work could not start. Several meetings were held at CEA/MoP since Oct 2016 to resolve the issue of NOC.	➤TSP (Transmission Service Provider) has served notice on 13.04.2018 for TSA (Transmission Service Agreement) termination under Force Majeure clause and requested LLTC to return CPBG (contract performance bank guarantee). ➤MoC (Ministry of Coal) in June, 2018 suggested to choose either of two route options and accordingly, approach CCL/MoC for NOC (No Objection Certificate). ➤NKTL has asked time to conduct survey to evaluate the feasibility of proposed routes.
4.b	North Karanpura – Gaya 400 kV D/C line	Sep'19	Uncertain		North Karanpura Transmission Ltd. (NKTL, a subsidiary of Adani Power Transmission Ltd.)	Work yet to start		

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5.a	Teesta III – Kishenganj 400 kV D/C	Feb'13	Oct'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: 586 nos. TE: 583 nos. STG: 395.3 Ckm	➤RoW issue at one location in respect of foundation ➤RoW issue at one location in respect of erection	➤Work under progress
5.b	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.	Jun, 20	-	-Do-	Powergrid Corporation of India Limited (PGCIL)	i) Loop - In portion of LILO line up to Rangpo completed. ii) Loop - Out portion: Award placed in Dec'17. LGH: 24 Ckm TL: 35 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm	➤As agreed in ERPC (Eastern Region Power Corporation), the loop out portion of line is to be implemented under a separate new scheme. (Earlier part of Sikkam-B project differed for implementation due to forest issues (Eco-sensitive Zone)).	➤New rout of LOOP-Out portion finalized. Forest proposal already submitted on 04.11.17. Tree verification and CA (Compensatory Afforestation) 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 prepone the completion of LILO line.

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6	Jharsuguda – Raipur 765 KV D/C line	Aug'19	Nov'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: 782 nos. TE: 782 nos. STG: 608 Ckm	➤Facing Severe 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. At the time of Sec-164 and Detailed survey, these blocks were not allotted.	➤Applied for Electrical Inspection.

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Critical Transmission Projects in Western Region(WR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required/Remedial measures taken
1	Vadinar-Amreli 400 kV D/C line (balance)	Nov, 09	Jun'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: 319 nos. TE: 276 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 retendered on risk purchase basis.	➤GETCO has taken the necessary action and invited the Risk & Cost Tender. ➤Presently work in progress since 19.07.2018
2	Amreli – Kasor 400 kV D/C line.	June'13	June'19	It would relieve Chorania - Kasor S/C line.	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 471 Ckm TL: 679 nos. FDN: 629 nos. TE: 574 nos. STG: 188 Ckm	➤Progress affected due to severe row issues.	➤Works in progress.
3	Akaltara TPS– Champa pooling station 400 kV 2x D/C line	Jun'15	Uncertain	This would complete evacuation system for Akaltara TPS of KSK and resolve the loading NSPCL ICTs and further provide voltage stability at Champa S/s. 765 kV champa bus commissioned in May 15 and 400 kV champa bus in June	KSK Mahanadi Ltd.	TLG 56 Ckm TL: 83 nos. FDN: 68 nos. TE: 54 nos. STG: 12Ckm No progress	➤Fund constraints No progress	

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4.a	Bableshwar-Kudus 400 kV D/C line	Mar'16	Dec,18	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 Electricity Transmission Company limited (MSETCL)	LGH: 456.96 Ckm TL: 730 nos. FDN: 549 nos. TE: 490 nos. STG: 175.33 Ckm	➤Progress affected in Nashik and Vashi Zones due to involvement of 148 Ha of forest area and severe RoW issues at 48 locs. ➤GMRT issue: Consequent to the committee report, survey for revised route has been carried out. Clearance received from committee members with the suggestion to re-route on the western side to meet the minimum distance norm of 6 km and on eastern side that has distance of less than 6 KM, 765 kV class bundles conductors to be used.	➤The variation in locations and line length is due to 2 nd diversion of route due to GMRT (Giant Metrewave Radio Telescope). ➤79 nos. foundations and 60 nos. towers will be scrapped due to route diversion by GMRT.
4.b	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.	Maharashtra State Electricity Transmission Company limited (MSETCL)	LGH:31.62Ckm TL: 44 nos. FDN: 11 nos. TE: 0 nos. STG: 0 Ckm	➤ Forest: Area involved 11 ha Online submission of proposal: FP/ MH/TRANS/30180/2017 dt 9.11.2017	➤ Forest: Online queries raised on dt 9.11.2017 are compiled on 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. Forest Proposal submitted to CCF office by DFO vide FCA/25/905/2018-19 Dt: 14.8.2018

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4.c	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.	Maharashtra State Electricity Transmission Company limited (MSETCL)	LGH: 116.76 Ckm TL: 116 nos. FDN: 10 nos. TE: 0 nos. STG: 0 Ckm	➤ Forest involvement after re-routing: ➤ Area involved 2.95 Ha (Appr). Proposal to be resubmitted.	➤ 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.
5	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 (Power Purchase Agreement)
6	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 cable. 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.

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7	BECL (Padva) - Botad 220kV D/C line		Dec'19	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.	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 190 Ckm TL: 292 nos. FDN: 182 nos. TE: 142 nos. STG: 33.8 Ckm	➤Contractual Issue.	➤Tender invited on risk & cost of EPC Contractor. Last date of tender is 24.09.2018. ➤ Tender date extended upto 14/11/2018
8	Mundra (Adani) -Zerda 400kV D/C line 1	Mar'17	Mar'20	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.	Gujarat Energy Trans. Corp. Limited (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. ➤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 has encashed the Bank Guarantee.

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								➤GETCO further, requested to the contractor to hand over the store material to GETCO latest by 17/05/2018. But no appearance from the Agency ➤In the month of Sep-18 GETCO has received confirmation from the agency for the appearance. Finalization of material accounting is under progress.
9	1200KV D/C Wardha - Aurangabad line (initially charge at 400KV)	Oct'08 / Mar'16 / Mar'18	Feb'19	Regional System Strengthening in WR for Mundra (UMPP)	Powergrid Corporation of India Limited (PGCIL)	LGH: 700 Ckm TL: 961 nos. FDN: 960 nos. TE: 939 nos. STG: 536 Ckm	➤Contract terminated 1 out of 2 packages due to unsatisfactory performance and fresh tender taken up. ➤The package subsequently bifurcated into two parts. 1st part awarded in Dec'14 and second part in Feb'15. The remaining 1 pkg. also terminated in Aug'15 due to poor performance. However, contract was revived in Feb'16. ➤Severe ROW being encountered. ➤Due to thunderstorm & cyclone in Jun'18, 10 foundations, 15 tower & 9 ckm stringing damaged.	➤Work under progress.

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10.a	Wanakbori TPS-Soja 400 KV D/C line		Feb'19	ATS of Wanakbori TPS	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 212 Ckm TL: 343 nos. FDN: 272 nos. TE: 271 nos. STG: 144 Ckm	➤ Severe Row Issue Applied for SRP protection but rejected.	➤ Work in Progress
10.b	Soja – Zerda 400 KV D/C line		Mar'19	-Do-	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 268 Ckm TL: 447 nos. FDN: 382 nos. TE: 375 nos. STG: 201 Ckm	➤ Severe Row Issue Applied for SRP protection but rejected.	➤ Work in Progress
10.c	LILO of 400 KV Wanakbori -Soja line at Dehgam (PG) S/S		Mar'19	-Do-	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 12 Ckm TL: 23 nos. FDN: 20 nos. TE: 19 nos. STG: - Ckm		➤ Work in Progress

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Critical Transmission Projects in Southern Region(SR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required/Remedial measures taken
1	Edamon-Muvattupuzha (Cochin) 400kV D/C line	Sep'18 (Rev)	Dec'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: 403 nos. TE: 350 nos. STG: 127 Ckm	➤Severe ROW problem (long pending). Problem being addressed progressively as per latest Revised G.O. of 30.07.15. Progress also affected due to heavy rain/ floods.	➤Work is being done with the help of Police protection.
2	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Dec'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: 131 Ckm TL: 178 nos. FDN: 159 nos. TE: 150 nos. STG: 36 Ckm	➤Severe ROW in Karnataka.	➤Issue are being resolved with the help of administration.
3	Somnahally-Dharmapuri (Salem) 400kV D/C line	Sep'18 (Rev)	Dec'18	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 243 Ckm TL: 335 nos. FDN: 333 nos. TE: 332 nos. STG: 220 Ckm	➤Severe ROW problem faced in Karnataka. ROW issues are being resolved with the support of State Govt.	➤Work under progress. Commissioning expected by Dec'18
4.a	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line (TBCB)	Dec'15	Nov'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: 574 nos. TE: 573 nos. STG: 212 Ckm	➤Severe ROW being faced in Karnataka portion of the line and work almost stand still since several months.	➤Issue highlight to PMO (Prime Minister Office) level. ROW getting resolved with the help of administration.
4.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'18 (Rev)	Oct'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: 243 Ckm	➤works affected due to interruption by land owners.	➤Line charged in Oct'18

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5	Vemagiri – Chilakaluripeta 765KV D/C 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.	Powergrid Corporation of India Limited (PGCIL)	LGH : 558 Ckm TL : 748 nos. FDN :708 nos. TE : 648 Nos. STG : 401 Ckm	➤ROW being faced in Nandigama and Sitanagaram.	➤Administration support required in ROW resolution.
6	Chilakaluripeta - Cuddapah 765KV D/C line	Apr'19	Apr'19	Strengthening of Transmission System beyond Vemagiri.	Powergrid Corporation of India Limited (PGCIL)	LGH : 577 Ckm TL : 768 nos. FDN : 757 nos. TE : 755 nos. STG : 544 Ckm	➤Final forest clearance received April 18. Wildlife clearance awaited.	➤Work under progress.
7	Cuddapah - Madhugiri 400KV D/C 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.	Powergrid Corporation of India Limited (PGCIL)	LGH : 486 Ckm TL : 650 nos. FDN : 633 nos. TE : 624 Nos. STG :432 Ckm	➤ROW being faced at 25 locs. At madhugiri end. ➤Final forest clearance received April 18.	➤Work under progress.
8	LILO of 765KV D/C Kurnool - Thiruvalam line at Cuddapah.	Jul'18	Oct'18	Will decrease loading on 400 KV lines at Kolar – Hosur – Salem and improve reliability of power transfer between S1-S2 corridor.	Powergrid Corporation of India Limited (PGCIL)	LGH : 190 Ckm TL : 267 nos. FDN :267 nos. TE : 267 Nos. STG : 190Ckm		➤Line commissioned in Oct'18.
9	Vemagiri – Kamavarapukota 400 KV D/C line	Oct'17	Mar'19	Relieve constraints in 400 KV network at Vemagiri (PG).	Transmission Corporation of Andhra Pradesh Limited (APTRANSCO)	LGH : 185 Ckm TL : 268 nos. FDN : 168 Nos. TE : 120 Nos. STG : 25 Ckm		➤Works under progress.

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10.a	Julurupadu – Jangaon 400 KV D/C line		Dec'18	ATS of Kothagudem TPS st-VII	Transmission Corporation of Telangana Limited (TSTRANSCO)	LGH : 350 Ckm TL : 489 nos. FDN : 478 nos. TE : 438 Nos. STG : 173.90 Ckm		➤ Works under progress.
10.b	2x100 MVA, 220/132 KV Jangaon s/s		Feb'19	-Do-	Transmission Corporation of Telangana Limited (TSTRANSCO)	LA: 100% CW: 90% ER: 70% EE: 40%		➤ Works under progress.
11	Manuguru TPP (Bhadradi TPS) - Julurupadu 400 KV D/C line		Nov'18	ATS of Bhadradi TPS	Transmission Corporation of Telangana Limited (TSTRANSCO)	LGH : 222.74 Ckm TL : 313 nos. FDN : 313 nos. TE : 310 Nos. STG : 221 Ckm	➤ RoW issue.	➤ RoW is resolved and Works are under progress.
12.	New Neyveli TPP - Ariyalur (Villupuram) 400 KV D/C line		Jul'19	ATS of Neyveli New TPP	Powergrid Corporation of India Limited (PGCIL)	LGH : 148 Ckm TL : 205 nos. FDN : 83. nos. TE : 59 Nos. STG: - Ckm		➤ Works Under Progress.

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Critical Transmission Projects in North Eastern Region(NER)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint	Executing Agency	Progress	Reason for delay and brief 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)	Nov'18	High loading at 400/132 kV, 125 MVA ICTs at Palatana under 160 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: 451 nos. STG: 283 Ckm	➤01 tower erection delayed due to requirement of line diversion of Mizoram. Now resolved. Tower erection completed	➤Line charged at 132 KV.
2	Bongaigaon TPS –Rangia 220kV D/C line	Jan'13	Nov'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.	Assam Electricity Grid Corporation Limited (AEGCL)	LGH: 326 Ckm TL: 517 nos. FDN: 517 nos. TE: 515 nos. STG: 285.898 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.	➤ All normal Foundations have been completed, ➤Two (2) nos. of Tower Erection are remaining on completed Pile Foundation. ➤186.445 ckm of line are idle charged.

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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 (Sneha Kinetic Power Projects Pvt. Ltd.)	Work yet to be awarded by the generation company. The interim LILO arrangement 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
4	Silchar (PG) – Misa (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: 490 nos. FDN: 162 nos. TE: 41 nos. STG: 0 Ckm		➤Stage-I Approval/ tree cutting permission received. 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	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required/Remedial measures taken
	NIL							

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