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

(As on 31.12.2018)

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	5	1	2-9
2	Eastern Region	1	0	6	0	0	0	10-13
3	Western Region	0	0	11	0	3	0	14-19
4	Southern Region	3	0	7	0	0	1	20-22
5	North Eastern Region	0	0	1	0	1	0	23-24
6	Inter-Regional	1	0	0	0	0	0	25-25
	Total	9	0	36	1	9	2	Total Elements :57

Critical Transmission Projects in Northern Region(NR)

Sr. No.	Transmission Corridor / Substation	Scheduled Commissioning Date	Actual / Likely Commissioning Date	Purpose of the Transmission System	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required / Remedial measures taken
1	Bareilly- Meerut 765kV D/C line. (TBCB)	Nov'13	-	Bareilly-Meerut 765kV S/C 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 CERC for tariff revision & Force Majeure. CERC order dated 09.05.2013 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 16.01.19.
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: 142 nos. TE: 78 nos. STG: 8 Ckm	➤ Forest clearance (2.7 Ha) awaited. Stage.-I clearance received. Severe ROW in Bhiwani portion affecting progress.	➤ PGCIL to expedite progress of line for early completion keeping in view the criticality of this line.
3	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Feb'19	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: 251 nos. STG: 226 Ckm	➤ Slow progress due to compensation issue. ➤ Fdn. at 01 loc. & 1 Km stringing stretch were held up due to severe ROW/ Court case.	➤ Expected completion by Feb'19

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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: 1198 nos. TE: 1111 nos. STG: 346.243 Ckm	➤765 KV Jhusi-Unnao section completed. Work on Anpara-Jhusi section incomplete. ➤Contract of M/s Jyoti Structures Limited has been terminated on 26.07.18 due to poor progress. ➤Balance works awarded to M/s Simplex Infra on 17.09.18 but work is held up due to hindrances created by local sub-contractors of previous contractor M/s Jyoti Structures.	➤Physical verification of stores completed. Necessary help from district administration/ local police authorities is being provided to the new agency. Matter is being constantly pursued.
5	Bara TPS-Mainpuri 765kV S/C line-I.	Jun'17	uncertain	Out of 2 no. 765 kV 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.	➤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. ➤ Stage-II approval obtained.	➤Work in Progress.

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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 Completed.
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:72% ER: 55% EE: 40%	➤ 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	Jan'19	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: 446 Ckm	➤ Slow progress	➤ 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	Jan,19	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.	➤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(Brahmwari) – 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)	Currently work in section from Singoli Bhatwari HEP to Ghansali (Srinagar) section is under progress by M/s L&T. LGH: 150 Ckm TL: - 224 nos. FDN: - 130 nos. TE: - 67 nos. STG: - 0 Ckm	➤Delay of above 8 months due to termination of old contract with LANCO on nonperformance on 25.10.2017. ➤ Balance work of Line was awarded to M/s L&T on 28.03.2018 ➤Final approval of forest case was obtained on 18.05.2018 from MoEF &CC Regional Office Dehradun. GO for final approval issued by Uttarakhand Government on 13.08.2018 ➤RoW issues in some locations of Line and same are being settled by consistent persuasion to concern land owners.	➤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. The report of Committee was put up in Board meeting held on date 28.11.2018 and BoD directed to obtain legal opinion in the matter from Legal Department of GoU. Proposal for same submitted to GoU on 29.11.18

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10.b	LILO of Baramwari - Srinagar at Singoli Bhatwari 220 KV D/C line	Jun'19	Jun'19					
11.a	Tapovan Vishnugadh - Kunwari Pass (Pipalkoti) 400 KV D/C line	Sep'19	Sep'20	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	➤ Severe agitation by the local villagers for the land allotted by GoU for construction of 400 kV GIS Substation. ➤ Alternative land provided by THDC to PTCUL for construction of 400 kV GIS Substation, at THDC premises in Hatt village, approximately 6 Kms away from earlier allotted land at Semaldala (Pipalkoti). ➤ M/s Tata Projects Ltd. in May 2017 was provided coordinates for carrying out re-survey for construction of line. ➤ NoC under Forest Right Act-2006 is still pending from Hatt village for construction of lines & Substation.	➤ Commissioning schedules of Tapovan-Vishnugad HEP has been revised to September, 2020 and for Vishnugad Pipalkoti revised to May, 2021. ➤ Work of line to be expedited by PTCUL.

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11.b	Kuwari Pass (Pipalkoti)-Karanprayag – Srinagar 400 KV D/C line (in three package)	Sep'19	Sep'20	-Do-	Power Transmission Corporation of Uttarakhand Limited (PTCUL)	Package-1 Pipalkoti-Nakot line (62 ckm) Package-2 Nakot-Dhanpur forest line Package-3 Dhanpur-Srinagar line (62 ckm) LGH: 186 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	➤ Work awarded to M/s Tata Projects Ltd. (2 package) and M/s Ranjit Singh and Company LLP (1 package) in 3 packages in Sep, 2017 with commissioning schedule as Sep, 2019. ➤ Forest case submitted for 02 no. package on 23/10/2018 & 24/11/2018. Forested case for rest of the 01 no. Package to be submitted to forest department.	➤ Persuasion is going on with forest department with the concern unit for finalization and early approval of forest proposal.
12	Srinagar- Kashipur 400 KV D/C line	Mar, 19	Dec, 20	Required for evacuation of power from Singoli Bhatwari HEP(3x33MW), Tapovan Vishnugad HEP(4x1301MW) and Vishnugad Pipalkoti HEP(4x111MW) beyond Srinagar.	Power Transmission Corporation of Uttarakhand 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.	➤ NIT for transmission element is likely to be issued early with expected commission schedule of 22 months.
13.a	320 MVA, 220/132 kV Substation at Alusteng		Jan'19	-Do-	Power Development Department Jammu & Kashmir (JKPDD)	132/33 KV level 95% completed. 220/132 KV level 84 % completed.	➤ Contract with M/S Jyoti Structures Ltd has been terminated and work is being executed departmentally by JKPDD.	➤ 220 kV yard and 01 Bank of 220/132 kV Transformers likely to be test charged on 05-01-19 . ➤ 220 kV Sgr-Leh Transmission line likely to be test charged on 07-01-19

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13.b	Alusteng – Zainkote 220 kV D/C line		Jan'19	-Do-	Power Development Department Jammu & Kashmir (JKPDD)	Length: 100 CKm TL: 158 TF: 156 TE: 127 STG: 34 CKm	➤ Line was awarded to M/s ECI, Hyderabad. ➤ Most of the RoW issues resolved ➤ Tower material for 10 No Towers yet to be supplied by the contractor ECI.	➤ Additional gangs deployed at the risk and cost of the contractor. 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.	➤ 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.
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.	➤ 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.c	LILO of 400 KV Azamgarh - Sultanpur at Tanda	Oct'18	Jan'19	-Do-	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	LGH: 2x 66.35Km TL: - 206 nos. FDN: - 206 nos. TE: - 201 nos. STG: - 120.83 Ckm	➤ Proposal for Railway crossing, NHAI crossing submitted and approval awaited. ➤ Approval of shut down for crossing 3 nos PGCIL power line is awaited.	➤ Line likely to be completed by Jan-19.
15	Singrauli – Allahabad 400 kV S/C	Sep'18 (Rev.)	Mar'19	Evacuation of power from Singrauli complex	Powergrid Corporation of India Limited (PGCIL)	LGH: 154 Ckm TL: 435 nos. FDN: 421 nos. TE: 408 nos. STG: 125 Ckm	➤ ROW at Singrauli end. ➤ Work also affected due to poor performance by executing agency.	➤ PGCIL to expedite construction work.

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)	Feb'19	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 881 Ckm TL: 1219 nos. FDN: 1217 nos. TE: 1210 nos. STG: 835 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 14.08.18 with the help of administration. Work under progress
2	Sagardighi – Gokarna 400kV D/C line	Jul'15	Jan'19	This line is part of ATS of generation project Sagardighi-TTP (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.

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
3.a	North Karanpura – Chandwa 400 kV D/C line (TBCB)	Sept'17	Uncertain (As per NTPC Boiler light up is scheduled in Mar'19. No arrangement for getting start up power)	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. LGH: 63 Ckm TL: 112 nos. FDN: 04 nos. TE: 0 nos. STG: 0 Ckm	➤ For power evacuation Transmission lines viz North Karanpura- Chandwa 400 kV D/C and North Karanpura- Gaya 400 kV D/C lines are passing through coal bearing area 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.	➤ TSA terminated on 13.04.2018 under Force Majeure clause due to non-grant of NoC by CCL/ MOC for construction of the lines over coal bearing area and LTTCs are requested to return the CPBG. Further, in NKTL has approached CERC for further course of action. CERC conducted latest hearing of the matter on 12.12.2018 by its Record of Proceeding CERC has allowed NKTL to withdraw notice of termination.

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3.b	North Karanpura – Gaya 400 kV D/C line (TBCB)	Sep'19	Uncertain (As per NTPC Boiler light up is scheduled in Mar'19. No arrangement for getting start up power)		North Karanpura Transmission Ltd. (NKTL, a subsidiary of Adani Power Transmission Ltd.)	Work could not be started due to non-availability of NOC from MOC. LGH: 185 Ckm TL: 265 nos. FDN: 31 nos. TE: 0nos. STG: 0 Ckm		➤CERC has directed MoC to submit its recommendation on the survey at the earliest. ➤Next date of hearing before CERC is 08.01.2019
4.a	Teesta III – Kishanganj 400 kV D/C	Feb'13	Jan'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: 589 nos. FDN: 589 nos. TE: 589 nos. STG: 427 Ckm	➤All works of the main line completed. Awaiting permission for cutting of trees in few stretches in Darjeeling Dist.	➤Matter vigorously taken up with State Govt. & District administration for fast accordance of permission.

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4.b	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.	Jun, 20	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 Sikkim-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
5	Jharsuguda – Raipur 765 KV D/C line	Aug'19	Dec'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: 609.9 Ckm TL: 782 nos. FDN: 782 nos. TE: 782 nos. STG: 609.9 Ckm	Received Approval for Energization certificate from CEA on 14.12.2018 and line is ready for charging.	

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	Sep'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: 323 nos. TE: 291 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: 633 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,19	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: 554 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. ➤ Second & Final approval received on 06.04.2018. RoW: A) Nashik Zone: 27 cases filed to Collector, Pune, he delegated powers to SDO Manchar, Junnar, Ambegaon, Hearing completed, orders awaited. B) Vashi Zone: 21 cases filed to Collector, Thane on 08.03.2017, he delegated powers to SDO Kalyan/ Bhiwandi, orders awaited ➤ As per GR dated 31.05.2017 there is provision for 2 times compensation, however, revenue department informed 4 times compensation. ➤ GMRT issue: Consequent to the committee report, survey for revised route has been carried out. Committee members suggest to re-route the line on the western side to meet the minimum distance norm of 6 km and on eastern side where the distance is less than 6KM, 765kV class bundle conductors to be used.	➤ The variation in locations and line length is due to 2nd 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.

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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	Dec,19	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. ➤ ROW: 'Valuation for Land compensation for 8 nos of locations received from SDO Bhivandi. ➤ As per GR dated 31.05.2017 there is provision for 2 times compensation, however, revenue department informed 4 times compensation.	➤ 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 ➤ Gram sabha resolution awaited from SDO Bhiwandi
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). ➤ ROW: ROW cases filed at SDO Vasai for 11 nos Locs : loc no 61 to 71 vide no 769 dtd 26.06.2018. ➤ As per GR dated 31.05.2017 there is provision for 2 times compensation, however, revenue department informed 4 times compensation.	➤ Forest: Revised online proposal submission is under process. To resubmit the proposal in same Id, email awaited from PCCF Nagpur.

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
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)	Feb'19	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 Feb'19. ➤However, State downstream system at Navi Mumbai to be implemented through TBCB.	➤Police protection/ Administrative support is requested to complete balance work.
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 up to 14/11/2018, 26/11/2018 and now further extended up to 16.01.2018.

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
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. ➤ 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. and planned to be completed by 15 Jan 2019. Expected Risk Purchase NIT: 15.02.2019

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
9	1200KV D/C Wardha - Aurangabad line (initially charge at 400KV)	Oct'08 / Mar'16 / Mar'18	Jun'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, about 6 fdn, 11 tower erection & approx. 9 ckm stringing damaged.	➤ Work under progress.
10.a	Wanakbori TPS- Soja 400 KV D/C line		Mar'19	ATS of Wanakbori TPS	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 212 Ckm TL: 343 nos. FDN: 281 nos. TE: 275 nos. STG: 146 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: 387 nos. TE: 382 nos. STG: 209 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: 8.56 Ckm	➤ Severe Row Issue	➤ Work in Progress

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)	Mar'19	➤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: 297 Ckm TL: 447 nos. FDN: 428 nos. TE: 404 nos. STG: 174 Ckm	➤Severe ROW problem (long pending). Problem being addressed progressively as per latest Revised G.O. of 30.07. 15.	➤Work is being done with the help of Police protection. ➤2 loc. (196/0 in Kottayam & 291/0 in Erankulam) under ROW for Fdn. (291/0- under court case).
2	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Mar'19	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: 161 nos. TE: 158 nos. STG: 42 Ckm	➤Severe ROW in Karnataka.	➤Issue are being resolved with the help of administration. ➤Stringing progress being affected due to higher compensation demand by farmers in Tumkur Distt.
3	Somnahally-Dharmapuri (Salem) 400kV D/C line	Sep'18 (Rev)	Feb'19	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 243 Ckm TL: 336 nos. FDN: 334 nos. TE: 333 nos. STG: 241 Ckm	➤Severe ROW problem faced in Karnataka. ROW issues are being resolved with the support of State Govt.	➤Work under progress. Commissioning expected by Feb'19
4.	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line (TBCB)	Dec'15	Jan'19	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: 575 nos. TE: 574 nos. STG: 219 Ckm	➤Severe ROW being faced in Karnataka portion .	➤Work completed. Checking under progress & expected to commission in Jan'19.

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
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 :715 nos. TE : 671 Nos. STG : 402 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 : 768 nos. TE : 761 nos. STG : 565 Ckm	➤Final forest clearance received April 18.	➤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 : 648 Nos. TE : 634 Nos. STG :467 Ckm	➤ROW being faced at madhugiri end. ➤Final forest clearance received April 18.	➤Work under progress.
8	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 : 183 Nos. TE : 125 Nos. STG : 28 Ckm		➤Works under progress.
9.a	Julurupadu – Jangaon 400 KV D/C line		Jan'19	ATS of Kothagudem TPS st-VII	Transmission Corporation of Telangana Limited (TSTRANSCO)	LGH : 350 Ckm TL : 489 nos. FDN : 487 nos. TE : 481 Nos. STG : 275 Ckm		➤Works under progress.

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
9.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.
10.	New Neyveli TPP - Ariyalur (Villupuram) 400 KV D/C line	Jul'19	Jul'19	ATS of Neyveli New TPP	Powergrid Corporation of India Limited (PGCIL)	LGH : 147 Ckm TL : 213 nos. FDN : 119. nos. TE : 90 Nos. STG: - Ckm		➤ Works Under Progress.

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	Bongaigaon TPS – Rangia 220kV D/C line	Jan'13	Jan'19	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.
2	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. ➤No action has been initiated for execution of Dikchu HEP – Dikchu Pool 132 KV D/C line, supposed to be executed by SKPPL.	➤PGCIL, Power Dept. Sikkim and Sneha Kinetic Power Projects Pvt. Ltd.) to expedite the work.

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
3	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: 227 nos. TE: 123 nos. STG: 0 Ckm		➤ Stage-I Approval/ tree cutting permission received. Works under progress.

Critical Transmission Projects in Inter-Regional (IR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	The Transmission Constraint	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required/Remedial measures taken
1	Warora (Pool) – Warangal (New) 765 kV D/C line (TBCB)	Nov'19	Nov'19	To facilitate import of power to Southern region based on the pessimistic scenario of non-availability / delay in commissioning of some of the generation projects in Southern region, this 765 kV additional transmission link has been proposed in case of contingencies including total outage of an entire inter-regional link and other critical regional lines for reliability.	Warora Kurnool Transmission Ltd. (A subsidiary of Essel Infraproj. Ltd.)	LGH: 645.7 Ckm TL: 827 nos. FDN: 738 nos. TE: 359 nos. STG: 0 Ckm	➤As per route identified by BPC (PFC) the line would traverse through coal bearing area of Western Coalfields Fields Ltd (Maharatna)and Singareni Collieries company Ltd, Telangana. Both WCFL and SCCL wants the route to be diverted to avoid coal bearing area as their mining activity are expected very soon.	➤About 4-6 towers are falling in SCCL area and 14-16 towers in WCFL area. Matter need to be taken up with SCCL, WCFL and Ministry of Coal for resolution.

Legends:

LGH: Total Length;
LA: Land Acquisition

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;
ROW: Right of Way;