



ISO: 9001-2008

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

(As on 31.03.2019)

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

(Published in fulfilment of CEA's obligation under section 73(i) & (j) of the Electricity Act, 2003)

Summary

Sl. No.	Region	765 KV		400 KV		220 KV		Page No.
		No. of Tr. Lines	No. of Substations	No. of Tr. Lines	No. of Substations	No. of Tr. Lines	No. of Substations	
1	Northern Region	4	0	11	1	5	1	2-11
2	Eastern Region	0	0	5	0	0	0	12-14
3	Western Region	0	0	11	0	3	0	15-20
4	Southern Region	2	0	6	0	0	1	21-22
5	North Eastern Region	0	0	1	0	1	0	23-24
6	Inter-Regional	1	0	0	0	0	0	25-25
	Total	7	0	34	1	9	2	Total Elements :53

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. ➤ APTEL in its hearing dated 01st Feb 19 disposed off the case directing to go back to CERC for a fresh treatment - including the aspect of the very necessity of NK and TT transmission system. A petition has been filed with a stay application in CERC for redressal of grievances. Hearing expected in Apr'19.
2	Mohindergarh - Bhiwani 400kV D/C line.	Aug'18	Dec'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: 152 nos. TE: 81 nos. STG: 8 Ckm	➤ Forest clearance (2.7 Ha) awaited. Stage-I clearance received. Severe ROW in Bhiwani portion affecting progress. ➤ Work affected due to poor performance of executing agency. ➤ C&C case presently in NCLT	➤ PGCIL to expedite progress of line for early completion keeping in view the criticality of this line.

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3	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Apr'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: 252nos. TE: 252 nos. STG: 228 Ckm	➤ Slow progress due to compensation issue. ➤ 1 Km stringing stretch held up due to severe ROW. Progress is also affected due to snowfall and law and order problem.	➤ Expected completion by Apr'19
4	Anpara-D –Unnao 765kV S/C line.	Jan'12	June'19	Required for evacuation of power from Anpara-D STPS.	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	LGH: 26.15Ckm TL: 1225 nos. FDN: 1205 nos. TE: 1133 nos. STG: 356.115 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. Work under progress.

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5	Bara TPS-Mainpuri 765kV S/C line-I.	Mar'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
6.a	Bajoli HEP-Lahal 220kV D/C line	Oct'16	Jan'20	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. ➤Connecting road from Chamba to Bharmour Severely Damaged since September 2018, completely cutoff during Mar 2019	➤ Repair Works of road under progress.
6.b	Lahal-Chamera 400kV D/C line	Oct'16	Mar'21			LGH: - 71 Ckm TL: - 114 nos. FDN: - nos. TE: - nos. STG: - Ckm	➤Delay in Forest Clearance. ➤Connecting road from Chamba to Bharmour Severely Damaged since September 2018, completely cutoff during Mar 2019	➤Documents have been uploaded for obtaining Stage-II approval. ➤ Repair Works of road under progress.

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6.c	630 MVA, 400/220/33 kV Lahal (GIS)	Oct'16	Sep'19		H.P. Power Transmission Corporation Limited (HPPTCL)	LA:100% CW:75% ER: 80% EE: 45%	➤ Delay due to road closed by heavy rain fall & land slide at different locations over site. ➤ Connecting road from Chamba to Bharmour Severely Damaged since September 2018, completely cutoff during Mar 2019	➤ Repair Works of road under progress.
7	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Apr'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: 490 Ckm TL: 676 nos. FDN: 676 nos. TE: 676 nos. STG: 460.612Ckm	➤ 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'17	May'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	Aug'15	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'13	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 Uttarakhand 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: - 231 nos. FDN: - 189 nos. TE: - 136 nos. STG: - 22 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 29.11.2018 and legal opinion is awaited.
10.b	LILO of Baramwari - Srinagar at Singoli Bhatwari 220 KV D/C line	Oct'16	Jun'19					

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11.a	Tapovan Vishnugadh - Kunwari Pass (Pipalkoti) 400 KV D/C line	Mar'17	Sep'20	For transfer of power from Tapovan Vishnugad HEP and Vishnugad Pipalkoti HEP up to Srinagar pooling station.	Power Transmission Corporation of Uttarakhand Limited (PTCUL)	LGH: 36 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	➤NOC as per Forest Right Act, obtained for 12 nos. villages and pending for 1 Nos. village (Hatt Gaon). ➤ Nodal office send the case of forest proposal to Gov. of Uttarakhand on 28.03.19 ➤ 125 Hec land has been identified for CA with Digital Map & co-ordinates. For Construction of LILO line at Pipalkoti, <u>approval is pending from standing committee.</u>	➤Persuasion is going on with forest department for early approval of Stage-I clearance. Thereafter construction work will be started.

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11.b	Kuwari Pass (Pipalkoti)-Karanprayag – Srinagar 400 KV D/C line (in three package)	Dec'14	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	➤ FRA certificate obtained from competent authority excluding Hatt village in Package I. ➤ Land bank with digital maps and co-ordinates, has already been identified for Compensatory afforestation for all packages. ➤ Forest proposal has been submitted on dated 24.11.2018 for package-I, on dt.23.10.18 for package-II and on dt. 23.02.19 for package-III. ➤ Nodal office send the case of forest proposal to Gov. of Uttarakhand on 28.03.19 for package-I ➤ Gov. of Uttarakhand send the case of forest proposal to Regional office forest on 06.03.19 for package-II ➤ Query raised by Nodal on 11.03.19 for Package-III, regarding cost benefit analysis, which was clarified on 30.03.19.	➤ Persuasion is going on with forest department for early approval of Stage-I clearance. Thereafter construction work will be started.

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12	Srinagar- Kashipur 400 KV D/C line	Mar, 16	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 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.	➤ NIT floated on dated 08/03/2019.
13.a	320 MVA, 220/132 kV Substation at Alusteng	Mar'10	May'19	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.	Power Development Department Jammu & Kashmir (JKPDD)	132/33 KV level: 95% completed. 220/132 KV level: 90 % completed.	➤ Contract with M/S Jyoti Structures Ltd has been terminated and work is being executed departmentally by JKPDD.	➤ Most of the works of the 220/132/33 kV Grid Station have been completed and the Grid Station has been charged on 132 kV voltage by stepping up the voltage to 220 kV level.
13.b	Alusteng – Zainkote 220 kV D/C line	Mar'10	Mar'19	-Do-	Power Development Department Jammu & Kashmir (JKPDD)	Length: 100 CKm TL: 158 TF: 156 TE: 134 STG: 37 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	➤ Additional gangs deployed at the risk and cost of the contractor.. The completion of the Transmission Line has been delayed due to inclement weather conditions.

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14.a	Tanda – Gonda 400 KV D/C line	Aug'15	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	Apr'19	-Do-	Uttar Pradesh Power Transmission Corporation Limited (UPPTCL)	LGH: 132 ckm TL: - 206 nos. FDN: - 206 nos. TE: - 206 nos. STG: - 132.706 Ckm	➤Line construction work completed. Jumpring at LILO point to be done after forest clearance.	➤NOC from DFO Ambedkar Nagar distt. for lopping & chopping of trees in line corridor is expected in 2-3 days. ➤Line ready for commissioning in 03/19.
15	Singrauli – Allahabad 400 kV S/C	Jun'16/ Sep'18(Rev.)	Jun'19	Evacuation of power from Singrauli complex	Powergrid Corporation of India Limited (PGCIL)	LGH: 154 Ckm TL: 435 nos. FDN: 435 nos. TE: 428 nos. STG: 147 Ckm	➤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	Apr'16/ Sep'17 (Rev) Aug'19 (Rev.)	Aug'19	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 881 Ckm TL: 1219 nos. FDN: 1217 nos. TE: 1217 nos. STG: 868 Ckm	➤ Severe ROW problem at Rajarhat area. Processing of forest case in Jharkhand slow. Work in Rajarhat was hold for 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'20	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: 86.7 Ckm	➤ Work Delayed due to poor performance of the vendor (Jyoti Structures Ltd.).	➤ Contract terminated.

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 Transco Ltd. (NKTL, a subsidiary of Adani Transmission Ltd.)	Work abandoned 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. 400 kV D/C North Karanpura- Chandwa (NK-C) and 400 kV D/C North Karanpura- Gaya (NK-G) lines are passing through coal bearing area near the generating station. Due to non -availability of NOC (No Objection Certificate) from CCL/MoC, the work could got abandoned. Several meetings were held at CEA/MoP/CCL/CMPDI since Oct 2016 to resolve the issue of NOC. ➤ TSA terminated on 13.04.2018 due to non-grant of NoC by CCL/ MOC for the sections of the line passing over coal bearing area and LTTC was requested to return the CPBG. ➤ NKTL approached CERC for further course of action. CERC in hearing on. 12.12.2018 of the matter has allowed NKTL to withdraw notice of termination.	➤ MoC filed an affidavit requesting CERC to amend the Transmission License condition by mentioning that implementing agency shall shift the line within 24 months from the notice and failing which the agency will be liable to pay the price of coal to CCL. ➤ NOC for NK-G line, passing through coal block of Usha Martin has been denied by Usha Martin. ➤ NKTL filed an affidavit on 29.01.2019 in which it is proposed to explore permission to lay both lines through multi-circuit towers till coal-bearing area on corridor available for NK-C (option A) and thereafter the line will follow a route parallel to the existing PGCIL's line from Chandwa to Gaya. It was also requested that MoC has to provide an alternate route in case a diversion is requested by CCL.
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 Transco Ltd. (NKTL, a subsidiary of Adani Transmission Ltd.)	Work abandoned due to non-availability of NOC from CCL/MoC. LGH: 185 Ckm TL: 265 nos. FDN: 31 nos. TE: 0nos. STG: 0 Ckm		

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4.	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.	Jun, 20	Jun, 20	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.	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 route of LOOP-Out portion finalized. Forest proposal already submitted on 04.11.17. Forest Stage – I approval received on 23.01.19, payment also released.. ➤CEA had taken a meeting on 29.05.18 and PGCIL was advised to prepone the completion of LILO line.

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: 305 nos. STG: 141.5 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.	May'12	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: 587 nos. STG: 206 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	Oct'12	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: 565 nos. TE: 500 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. ➤Meeting with GMRT at Pune office held on 15.02.2019 to resolve the ROW. ➤Prohibitory order from Collector Thane for filed cases. Constraints: There is huge unrest among land owners due to non payment of land compensation. Presently work is in progress only in forest area at Loc. No. 189,205,133

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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: 46 nos. FDN: 11 nos. TE: 2 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 Bhiwandi. ➤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: 23 nos. TE: 0 nos. STG: 0 Ckm	➤Forest involvement after re-routing:Area involved 2.95 Ha (Appr). Proposal is pending at DFO Dahanu. ➤ROW: Facing huge opposition in vasai and Bhiwandi areas where multiple project such as Bullet train , DFCCIL, Transmission lines, Highways.	➤Forest: Forest : 2.95 Ha (Appr) Proposal submted on 13.11.2017, Revised Online submission done on 22.01.19 and compliances submitted on 01.02.19. ➤Joint inspection with forest surveyor in jawahar section carried out on 04.02.2019 and Joint inspection with ACF, dahanu in dahanu section carried out on dt. 27.02.2019.

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
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	Sep'10 / Dec'18 (Rev)/ Apr'19 (Rev.)	Apr'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 arranged. ➤However, State downstream system at Navi Mumbai to be implemented through TBCB.	➤Testing is under progress.
7	BECL (Padva) - Botad 220kV D/C line	Sep'12	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 24.04.2019.

8	Mundra (Adani) - Zerda 400kV D/C line 1	Jun'12	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. ➤ For Pkg 1: Tender is on website and last date of tender is 09.04.2019 and further extended to 24.04.2019 ➤For Pkg 2: Finalization of material accounting is under progress.
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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 / Dec'18(Rev) / Dec'19 (Rev.)	Dec'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: 946 nos. STG: 538 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. ➤ 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'15	Jun'19	ATS of Wanakbori TPS	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 212 Ckm TL: 340 nos. FDN: 284 nos. TE: 282 nos. STG: 156 Ckm	➤ Severe Row Issue	➤ Work in Progress
10.b	Soja – Zerda 400 KV D/C line	Mar'16	May'19	-Do-	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 268 Ckm TL: 442 nos. FDN: 387 nos. TE: 383 nos. STG: 219 Ckm	➤ Severe Row Issue	➤ Work in Progress
10.c	LILO of 400 KV Wanakbori -Soja line at Dehgam (PG) S/S	Mar'15	May'19	-Do-	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 12 Ckm TL: 24 nos. FDN: 20 nos. TE: 19 nos. STG: 9.27 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	Nov'08/ Sep'18 (Rev)/ Jun'19 (Rev.)	Apr'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: 447 nos. TE: 446 nos. STG: 295 Ckm	➤Severe ROW problem (long pending). Problem being addressed progressively as per Revised G.O. of 30.07.15.	➤All fdn. Completed. 1 no. TE & 1 km stgg. held up due to ROW. 1 TE (291/0- under court case).
2	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Jun'14/ Mar'18 (Rev)/ Dec'18 (Rev)/ Jun'19 (Rev.)	Jun'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: 163 nos. TE: 164 nos. STG: 70 Ckm	➤Severe ROW in Karnataka.	➤Issue are being resolved with the help of state administration. ➤Stringing progress being affected due to higher compensation demand by farmers in route of line.
3	Somnahally-Dharmapuri (Salem) 400kV D/C line	Aug'14/ Dec'17 (Rev)/ Sep'18 (Rev)	Mar'19	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 243 Ckm TL: 336 nos. FDN: 336 nos. TE: 336 nos. STG: 243 Ckm	➤ Project delayed due to ROW issues.	➤Commissioned in Mar'19.
4	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 :720 nos. TE : 689 Nos. STG : 478 Ckm	➤ROW being faced in Krishna district.	➤Administaration support required in ROW resolution. ➤Matter to be taken up in next Pragati meeting chaired by H'ble PM.

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	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 : 768 nos. STG : 577 Ckm	➤Final forest clearance received April 18.	➤Work completed.
6	Vemagiri – Kamavarapukota 400 KV D/C line	May'17	Mar'20	Relieve constraints in 400 KV network at Vemagiri (PG).	Transmission Corporation of Andhra Pradesh Limited (APTRANSCO)	LGH : 185 Ckm TL : 268 nos. FDN : 187 Nos. TE : 156 Nos. STG : 33 Ckm	➤Delay due to severe ROW issues	➤Works under progress.
7.a	Julurupadu – Jangaon 400 KV D/C line	Sep'18	Apr'19	ATS of Kothagudem TPS st-VII	Transmission Corporation of Telangana Limited (TSTRANSCO)	LGH : 350 Ckm TL : 489 nos. FDN : 489 nos. TE : 486 Nos. STG : 343.7 Ckm		➤Works under progress.
7.b	2x100 MVA, 220/132 KV Jangaon s/s	Sep'18	Apr'19	-Do-	Transmission Corporation of Telangana Limited (TSTRANSCO)	LA: 100% CW: 93% ER: 80% EE: 67%		➤Works under progress.
8.	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 : 179. nos. TE : 167 nos. STG: - 36 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	Apr'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: 324.088 Ckm TL: 516 nos. FDN: 516 nos. TE: 513 nos. STG: 300.4 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 (3) nos. of Tower Erection are in progress.
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: 334 nos. TE: 218 nos. STG: 4 Ckm		➤ 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: 773 nos. TE: 423 nos. STG: 58.6 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;