



सत्यमेव जयते

**Monthly Progress Report of
Critical Transmission Projects under
Central, State and Private Sector
(As on 30.11.2021)**

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. of Tr. Lines	No. of Substa-tions	No. of Tr. Lines	No. of Substa-tions	No. of Tr. Lines	No. of Sub-stations	
1	Northern Region	1	0	8	0	2	0	2-9
2	Eastern Region	0	0	4	0	0	0	10-13
3	Western Region	1	0	5	0	3	0	13-19
4	Southern Region	0	0	1	0	0	0	20-20
5	North Eastern Region	0	0	0	0	0	0	-
6	Inter-Re-gional	1	0	0	0	0	0	21-23
	Total	3	0	18	0	5	0	Total Ele-ments :26

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	Mohindergarh - Bhiwani 400kV D/C line.	Aug'18	Dec'21	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:181 nos. TE: 180 nos. STG: 95 Ckm	Work affected as portion executing agency C&C case referred to NCLT. Contract of C&C terminated. Balance work awarded to the new agency in Nov'19. Severe ROW at 1 Tower erection and 13 km stringing.	➤ PGCIL to expedite progress of line for early completion keeping in view the criticality of this line. ➤ District administration help required to resolve ROW.
2.a	Bajoli HEP-Lahal 220kV D/C line	Oct'16	Dec'21	Required for evacuation of power from Bajoli HEP (3x60MW) in H.P., which is scheduled for completion by year 2020-21	H.P. Power Transmission Corporation Limited (HPPTCL)	LGH: 36 Ckm TL: - 59 nos. FDN: - 236 (stubs) nos. TE: - 59 nos. STG: - 36 Ckm	➤ The work of line is completed and preparation for charging of line is in progress.	
2.b	Lahal - Chamera 400kV D/C line	Oct'16	Dec'21			LGH: - 71 Ckm	➤ There were 9 locations where hinderances were faced. Out of 9 locations, work at 4 locations has been started.	➤ Matter has already been taken up with the local authorities to provide Police Protection.

						TL: - 112 nos. FDN: -368 (stubs) nos TE: - 67 nos. STG: -0 Ckm	➤ The work at other locations is in progress.	
3	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Dec'21	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:469 Ckm	➤ 2 Nos. towers at loc.34/12 & 35/0 collapsed on 16.04.2019 and need to be re-erected. ➤ Termination notice issued to the firm on 13.12.2019. Stay against termination granted by NCLT, Hyderabad.	➤ Case is sub-judice and efforts are being made by RVPNL to resolve the issue
4.a	Tapovan Vishnugadh - Kunwari Pass (Pipalkoti) 400 KV D/C line	Mar'19	June'22	For transfer of power from TapovanVishnugadh HEP and Vishnugadh Pipalkoti HEP up to Srinagar pooling station..	Power Transmission Corporation of Uttarakhand Limited (PTCUL)	LGH: 36 Ckm TL: -48 nos. FDN: - 14/48nos. TE: - 04/48 no. STG: - 0/36 Ckm	➤Forest proposal submitted on 10.06.2018. ➤Principal Approval of forest proposal (Stage-I clearance) obtained on 09/10/2019. ➤Final Approval of forest proposal (Stage-II clearance) obtained on 21/07/2020. ➤Work stopped on 22.03.20 due to lockdown of state due to COVID19. ➤Work re-started on 27.04.20 as per GoU order but there is shortage of manpower due to COVID 19. ➤Shortage of labours due to COVID-19 ➤Work progress is very slow due to acute shortage of labours during covid-19 second wave lockdown etc.	Natural calamity happened on 07.02.2021 in Joshimath, Dist Chamoli Rishi Ganga, which also affected the NTPC HEP. After natural calamity, NTPC has to give its Re-scheduling of HEP after due evaluation of Damage. MoM held on dated 30.03.2021 with CEA, PGCIL, NTPC, THDC and as per direction given thereinby CEA, NTPC shall provide the revised schedule date of TVHEP at the earliest. Revised schedule of TVHEP is pending to be provided by NTPC. ➤ Further request mail sent on dated 08 June 2021. But still-reply is awaited about Revised Schedule of TVHEP.

4.b	Kuwari Pass (Pipalkoti)-Karanprayag – Srinagar 400 KV D/C line (in three package)	Sep'19	June'22	For transfer of power from TapovanVishnugad HEP and Vishnugd Pipalkoti HEP up to Srinagar pooling station	Power Transmission Corporation of Uttarakhand Limited (PTCUL)	Package-1- Pipalkoti-Nakot line (62 ckm) Package2- Nakot-Dhanpur forest line (62 ckm) Package3- Dhanpur-Srinagar line (62 ckm) LGH: 186 Ckm TL: -220 nos. FDN: 129/220 nos TE: -20/220 nos. STG: - 0/186Ckm	➤ 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. ➤ For Pak-I - Principal Approval of forest proposal (Stage-I clearance) obtained on 11/10/2019 and final approval (Stage-I clearance) obtained on 28/07/2020 ➤ For Pak-II- Principal Approval of forest proposal (Stage-I clearance) obtained on 11/10/2019 and final approval (Stage-I clearance) obtained on 22/05/2020. ➤ For Pak-III -Principal Approval of forest proposal (Stage-I clearance) obtained on 13/03/2019 and final approval (Stage-I clearance) obtained on 29/01/2021 ➤ Work stopped on 22.03.20 due to lockdown of state due to COVID19. ➤ Work re-started on 25.04.20 as per GoU order. ➤ Shortage of labours due to COVID-19. ➤ Work progress is very slow due to acute shortage of laboures during covid-19 and monsoon season , road blockage, tree cutting issue etc.	Meeting held on dated 30.03.2021 with CEA, PGCIL, NTPC, THDC and as per direction given by CEA, NTPC shall provide the revised commissioning schedule of TVHEP at the earliest.
5	Srinagar- Kashipur 400 KV D/C line LoT 1(400kV D/C Transmission Line from 400kV S/s Khandukhal to Inter-connection point	Mar, 19	-	Required for evacuation of power from Singoli Bhatwari HEP (3x33MW), Tapovan	Power Transmission Corporation of Uttarakhand Limited (PTCUL)	LGH: 83 Ckm TL: - nos. FDN: - nos. TE: - nos.	➤ Contract was awarded to M/s Cobra. on 24 Dec 2013. Due to non performance contract with M/s Cobra was terminated on 16.11.2017. ➤ Tender invited for construction of Line was scrapped on	.

	nearby Kotdwar Region) LOT-I			povan Vishnugad HEP(4x1301MW) and Vishnugad Pipalkoti HEP(4x111MW) and other proposed HEPS of Alaknanda basin beyond Srinagar.		STG: - Ckm	09.06.2020 after taking approval from the appropriate authorities. ➤ As per MoM of 3rd meeting of NRPC Transmission Planning held on date 19.02.2021 it was agreed that Implementation of 400 kV D/C Khandukhal (Srinagar)-Rampura (Kashipur) line to be taken up under central sector as an ISTS scheme with the matching time frame of commissioning of Vishnugad Pipalkoti HEP of THDC i.e June 2023 or Tapovan Vishnugad HEP of NTPC whichever is earlier.	
6	LILO of one ckt of Bamnauli – Jattikalan at Dwarka-I 400 KV D/C	May'17/ Jun'19 (Rev.)/ Jul'20 (Rev.)/ Sep'21 (Rev.)	Feb'22	This line can take care and reliably meet the existing and future 400 kV and 220 kV load demand of Delhi network.	Powergrid Corporation of India Limited (PGCIL)	LGH: 17 Ckm TL: 41 nos. FDN: 39 nos. TE: 39 nos. STG: 5 Ckm	➤ Forest proposal under FCA & DPTA submitted. Forest clearance proposal (FCA) Stage-I issued in Dec'20. Land identified by DDA for CA had litigation. Alternate land for CA handed over by DDA to Forest Deptt. Payment deposited. Working permission received on 13.05.21. ➤ DPTA clearance received in Aug'21	➤ It has been decided to re-route the line through Golf course to reduce forest area. Working permission from DDA received in Feb'19 using pole type structure which has been awarded in Mar'19. ➤ Pole foundation completed.

7	Chandigarh - Panchkula (PG) 220KV D/C (incl. 9.7 Kms underground cable).	Feb'19/ Jun'19 (Rev.)/ Apr'20 (Rev.)/ Jun'21 (Rev.)	Feb'22		Powergrid Corporation of India Limited (PGCIL)	LGH:48 Ckm TL: 56 nos. FDN: 55 nos. TE: 54 nos. STG: 43 Ckm	➤ Work of downstream system (66kV cable) under progress by UT of Chandigarh. ➤ 220 kV Underground cable laying completed. ➤ Work held up at 5 foundation locations, 5 Tower erection location and 2.3 Kms stringing affected due to ROW issues. ➤ A meeting with Addl. CS (Power) held on 18.09.2020 at Chandigarh for resolution of ROW problem.	➤ ROW at 5 locations hampering progress. ➤ DM, SAS Nagar issued orders on 9th Nov 2020 for start of works. ➤ 02 foundations completed. ➤ High Court Stayed works on 16.11.2020. ➤ Hearing on 08.12.2020 could not take place due to Bar Association Strike. ➤ In Hearing on 13.01.2021, State Govt asked for more time to file reply. 23.02.2021; Reply of Union of India awaited. ➤ Hearing held on 25 & 26 August'21. High Court Dismissed Writ Petition on 25.10.2021. Mobilization at site being done. ➤ Work Stared at site and 02 Foundations and 03 Tower erection completed. Brick Kiln owner has filed LPA in division bank of HC. Next hearing is on 20.12.2021.
8	Koteshwar – Rishikesh 400 KC D/C (TBCB)	Mar'22	Uncertain / December 2024 / Minimum 23 no. of working months required from the date of	400 kV AC link between Rishikesh and Koteshwar shall improve the power supply to Uttarakhand and also obviate the power transfer constraint on 400 kV Roorkee - Muzaffarnagar	NRSS XXXVI Transmission Ltd. (A subsidiary of EsselInfraproj. Ltd.)	LGH: 81 Ckm TL: 106 nos. FDN: 26 nos. TE: 0 nos. STG: 0 Ckm)	➤ Forest clearance awaited. ➤ NOC is awaited from Govt. of Uttarakhand for construction of line in premises of Indian Drugs and Pharmaceuticals Limited (IDPL), Rishikesh. ➤ A meeting in this regard is convened by The Chief Secretary of the state along with other stake holders along with the consultant M/s E&Y On 10 December 2019. A new route has been proposed.	➤ IDPL conveyed it's no objection on 03.04.2019 stating that Uttarakhand Government is planning to construct Convention Centre along with Hill Culture, Yoga and Wellness Centre on the said land. Accordingly, IDPL requested to take no objection certificate

			resolution of CERC Petitions, IDPL - NOC from Uttarakhand State Govt, DFO (Tehri), DFO (Dehradun), Court proceedings etc	line during low hydro generation condition. This link would provide additional outlet from Tehri/ Koteshwar generation complex and independent feed for providing reliable and quality power supply to Rishikesh area.			➤ Further, a meeting was taken by Chairperson, CEA on 16.03.2020 wherein the revised route was discussed and it was concluded that the proposed route alignment is the best option. ➤ CERC Petitions pending: Diary No. 575/2020 - Petition seeking extension of Scheduled Commercial Operation Date ➤ The forest proposal of Tehri&Narendranagar was submitted on 4th Apr 2019 & under processing. The consent of DFO (Dehradun) in this regard for forest proposal submission is also awaited. ➤ Minutes of the meeting held under the chairmanship of Joint Secretary (Trans), MoP on 11.11.2020 through video conference to review the status (Point No: 2.2.6) - NOC from IDPL is expected by Nov'20 end (As on date not yet received). After the receipt of the NOC, we will submit the forest proposal to the forest department for approval. Due to financial issues, it is planning to disinvest in NRSS-XXXVI. ➤ On 17.04.2021 a joint site visit was conducted along with PTCUL, Uttarakhand Tourism Dept. & NRSS XXXVI officials to check the feasibility of the route, during the visit state Uttarakhand tourism department suggested a 2nd new route to follow . ➤ On 4th& 5th June 2021 detailed survey is carried on IDPL land where 3 options were explored out of which interchange of Gantry with PTCUL is found feasible and has been proposed to Uttarakhand Tourism Dept. on 17.06.2021 also the Gantry	also from Uttarakhand Government. Accordingly, the detailed proposal of NoC was submitted to Tourism Deptt. of Uttarakhand on 27.05.2019. ➤ Project stalled because of unexpected delay in obtaining NOC from IDPL. Tender Notification: ➤ PTC India Financial Services Limited – Global Invitation (Competitive Bidding Process) on 17.11.2020 Shri Mritunjay Kumar Narayan, Joint Secretary (Transmission), Ministry of Power, GoI - Review meeting on 10.02.2021 at 03.00 pm through video conference. NTRSS XXXVI request to MOI - Support required From Ministry of Power ,Govt of India: Urgent Intervention of Uttarakhand State Govt. authorities is requested for arranging to issue IDPL NoC approval (Pending since 2017) at the earliest so that NRSS XXXVI can process forest application preparation under the guidance and recommendation of forest diversion application by DFO Dehradun – MoP had agreed to take
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							exchange proposal is submitted to PTCUL ➤ Uttarakhand Tourism Dept. vide letter no 2-6-1225/2021 dated 14.07.2021 has provided their provisional NOC for the construction of 400 kV DC Rishikesh – Koteswar line traversing through IDPL land agreeing with gantry exchange of said line with PTCUL. ➤ In further process of Gantry Exchange proposal with PTCUL, PTCUL has issued a letter to NRSS XXXVI Transmission vide letter no 690/400 kV O&M DR dated 18.09.21 directed to take NOC from Animal Husbandry Dept. of Uttarakhand because in the process of Gantry Exchange 03 Nos of new Tower has to be installed which will fall under the land of Animal Husbandry Dept. ➤ With reference to letter no. 690 dated 18.09.21 of PTCUL for taking the NOC from State Animal Husbandry Dept. NRSS XXXVI requested PTCUL that for gantry exchange they are not using any extra land/ new route. NRSS XXXVI will use existing 3 towers of Rishikesh – Nehtour line by strengthening the cross arms or reconstruction of the tower.	up the matter with Uttarakhand State Govt. authorities ➤ NRSS 36 team requested State tourism department & PTCUL that in order to follow the 2nd new route the detail survey has to be done and see all the technical feasibility. Initially It was scheduled on 25.04 .2021 but due to Corona curfew and entire lock down in Uttarakhand state it was cancelled & rescheduled on 4th& 5th June 2021. ➤ In continuation again NRSS XXXVI Transmission requested UTD to expedite their approval for the pending NOC. ➤ As per the NOC provided by UTD NRSS XXXVI Transmission has submitted the gantry exchange proposal to PTCUL approval for which is awaited. ➤ As per the PTCUL direction NRSS XXXVI is submitting the proposal
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								for Animal Husbandry Dept. NOC. ➤ NRSS XXXVI has already given the undertaking to PTCUL for bearing of any new cost, statutory payment and statutory clearance is required in the GANTRY exchange process.
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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.a	North Karanpura – Chandwa 400 kV D/C line (TBCB)	Sep't17	Sep'22*	Evacuation of power from North Karanpura TPP .	North Karanpura Transco Ltd. (NKTL, a subsidiary of Adani Transmission Ltd.)	As per latest route. LGH: 102 Ckm TL: 115 nos. FDN: 74 nos. TE: 74 nos. STG: 21.5 Ckm	➤ Due to non -availability of No Objection Certificate (NOC) from CCL/MoC, the work was delayed. ➤ CEA had decided that North Karanpura-Chandwa (NK-C) line shall be completed within 14 months from the date of NOC subject to grant of Forest Clearance (FC) within 200 Days from application. The forest proposal for NK-C Line was submitted on 17-06-19 and even after passing more than 897 days from the application of Forest proposal, the Forest clearance is still awaited. ➤ Nodal officer raised EDS on 03-09-20 for GM/JJ land NOC, FRA certificate & CA land area correction. Compliance of the same submitted on 16-09-20 and Nodal office has recommended the proposal and submitted PART-IV to State Government on 11-11-20. State Govt. raised EDS on 22-12-20 regarding GM/JJ land NOC and FRA NOC. Due to DFO, Chatra post was vacant, it got delayed and cleared in online mode only on 16-01-21 after posting of DFO, Chatra South in last week of Dec'20. To expedite proposal in absence of GM/JJ land NOC, undertaking for GMJJ NoC and FRA Certificate also submitted by NKTL to Nodal officer on 02-02-21. ➤ FRA Certificate: DC, Latehar issued the Certificate on 02-06-2021.	➤ NKTL has progressed aggressively to achieve FC in both lines but same is delayed due to the reasons beyond control of NKTL. Support is requested from CEA, NTPC and LTTCs in expediting the forest approval as it is the most critical activity in achieving the compressed execution schedule. ➤ CEA had called a meeting on 16-03-20, wherein Additional PCCF, Forest, Govt. of Jharkhand, had indicated timeline of approx. 7-8 weeks for moving the file from DFO level to Regional Office, MOEF&CC for NK-C line. However, for NK-G line the timelines not provided by Forest officials. ➤ CEA again called meeting on 16-10-20 & 29-01-21 for NKTL, wherein NKTL raised concerned for delay in forest clearance of NK-C and NK-G line. ➤ NKTL requested CEA and forest officials to expedite forest clearance for NK-C and NK-G line. ➤ NKTL informed in the above meeting that, GM/JJ land NOC becoming bottleneck for processing of proposal for Stage-I and
1.b	North Karanpura – Gaya 400 kV D/C line (TBCB)	Sep'19	Jun'23**		North Karanpura Transco Ltd. (NKTL, a subsidiary of Adani Transmission Ltd.)	As per latest route. LGH: 196 Ckm TL: 286 nos. FDN: 138 nos. TE: 114 nos. STG: 35.5 Ckm		

						➤ GM/JJ NOC: As the Commissioner Post lying vacant since Jul-20 to 19-02-21, issuance of the NOC delayed and finally Commissioner, Palamu issued the GM/JJ Land NOC on 30-03-21. ➤ Subsequent to that EDS raised by Nodal office on 29-06-2021 and compliance done at DFO Level. Then proposal forwarded to state Government on 11-08-2021. After scrutiny the Proposal forwarded to Regional office for further processing by State Government on 23-9-2021. IRO, Ranchi has raised EDS to State Govt vide letter dtd. 08.10.2021 and proposal forwarded to User agency for Compliance on 13-11-2021. Compliance of the query done on 15-11-2021 and resubmitted by NKTL. Presently pending at DFO level for onward submission to CF office and subsequently to Nodal office, state Government and RO. ➤ All work outside of forest has been completed for NK-C line. ➤ North Karanpura – Gaya (NK-G) Line: CEA had decided that NK-G line shall be completed within 23 months from the date of NOC subject to grant of Forest Clearance (FC) within 300 Days from application. The forest proposal for NK-G Line was submitted on 20-07-19 and accepted by Nodal on 06-08-20. However, even after more than 864 (Jharkhand) days from the application of Forest proposal the Forest Clearance is awaited. Part-II proposal recommendation from DFO, Chatra South and Chatra	NKTL conveyed in the above said meeting that, in absence of FRA NOC request State Govt. to process for stage 1 approval as FRA NOC is not mandatory at this stage. ➤ Based on meeting, MOP issued letter to Chief Secretary, Jharkhand for issuance of GM/JJ land NOC and further processing of forest proposal vide letter dated 08-02-21. ➤ Furthermore, in meeting of 16-03-20, 16-10-20, 29-01-21 NKTL conveyed that, * NK-C line will be commissioned in 9 months from the date of forest clearance. Accordingly, as per the current situation NKTL anticipating forest clearance by Dec'21 and likely commissioning by Sep'22 and **NK-G line will be commissioned 12 clear working months (except monsoon) from the date of Forest Approval. Accordingly, as per the current situation NKTL anticipating forest clearance by Mar'22 and likely commissioning by Jun'23. ➤ Subsequently, the review meeting conducted by Joint Secretary (Trans.), MoP on 11-11-20, 10-02-21 wherein NKTL has requested support in expediting forest clearances for both lines. ➤ On 31-03-21 and 15-06-21, review meeting conducted by Secretary (Power), MOP wherein NKTL requested support in expediting the Forest
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						North to CF level held up for requirement of GM/JJ land NOC from the Commissioner Hazaribagh. GM/JJ land NOC recommended by DC Chatra on 05-08-2021 to Commissioner Hazaribagh. Commissioner Hazaribagh issued the GM/JJ Land NOC on 22-10-2021. CS/RS certificate issued by DC Chatra on 16.09.2021. Based on CS/RS Certificate issued by DC Chatra, it is observed that, the proposed forest area need to be revised due to identification of existing/missing plots as forest plots as per revised Circle Officer Report for CS/RS certificate. This lead to revision in Forest proposal and additional NOC in respect of GM/JJ and FRA certificate in respect of identified additional forest area. Revised Forest proposal is being submitted. All work outside of forest has been completed	clearance for both lines. MOP requested PCCF, Jharkhand to expedite forest clearance. ➤ Also, MOP has requested Chief Secretary, Bihar vide letter dated 15-04-21 to expedite forest clearance for NK-G (Bihar Portion) and resolution of RoW issues at Gaya end. MoP also issuing letter to Jharkhand Govt. to expedite forest clearance. ➤ On 28-06-21, review meeting conducted by Member (PS), CEA, NKTL requested for support for Forest clearance and Resolution of ROW issues. Also CEA has requested for support in resolution of the issues vide letter dated 29-06-21. ➤ MOP again requested Chief Secretary; Jharkhand vide letter dated 22-07-2021 to expedite the pending forest clearances. ➤ As the delay in forest clearance is becoming bottleneck in fulfilling obligation of NKTL, also delay in Forest Clearance is beyond control of NKTL. Therefore, FM notice was served to LTTCs and CEA on 25-02-20, 26-11-20 & 15-11-21 ➤ Joint Secretary (Transmission), MoP convened meeting on 07.09.2021, NKTL had submitted complete Forest Chronology to MOP & CEA. ➤ Secretary (Power) convened meeting on 11-11-2021 to expedite forest approval with all stakeholders.
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								➤ Issue details updated on PMG portal (Project ID : 22247 , Issue ID : 7322 and 7323)
2	LILO of Teesta-III – Kishanganj 400kV D/C line at Rangpo.	Jun,20/Nov'20 (Rev.)	Jan-22	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: 35 nos. TE: 35 nos. STG: 23.8 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). ➤ Forest Stage – I approval received on 23.01.19. Working permission received in Mar'19. Delay in tree enumeration & tree felling. Slow progress due to undulated hilly terrain, head loading of tower members due to non-availability of road. Work affected due RoW in stringing at one section due to Tashi Choling trust. Matter being taken up with local administration to resolve the ROW issues. ➤ Progress also affected due to COVID-19 restrictions. Lockdown extended upto 14.07.2021. ➤ Shutdown required for final tapping point	➤ .

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.a	Bableshtar-Kudus 400 kV D/C line	Oct'12	March-2022	Due to delay in commissioning of 400 kV Bableshtar –Kudus D/C line, heavy loading is observed on 400 kV Bableshtar - Padghe line. Further 400 kV Ektuni-Bableshtar only one circuit is kept in service by MSETCL to control the loadings at Bableshtar.	Maharashtra State Electricity Transmission Company limited (MSETCL)	LGH: 455.06Ckm TL: 726 nos. FDN: 596 Nos. TE: 531 nos. STG: 176.414Ckm	Forest Status: (148 Ha) Second & Final approval received on 06.04.2018. GMRT Issue: The issue is resolved. RoW: A) Nashik Zone: 32cases for erection filed to Collector, Pune, he delegated powers to SDO, Manchar- Junnar, orders awaited. Stringing span ROW at 8 locs, cases filed. Also, ROW cases 5 nos filed at SDO Sangamner. B) Vashi Zone: Major ROW problems due to nonpayment of compensation as per SDO order. Hon'ble Collector Thane meeting is concluded on 04.03.2021 for resolution of issue and heard both sides. It is conveyed that they will send a report to GoM. Major Constraint: As per GR dated 31.05.2017 there is provision for payment of compensation in respect of Tower foundation & erection i.e. 2 times the ready reckoner rate. However, revenue authority has issued orders for huge compensation.	➤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. ➤Prohibitory order from Collector Pune, Thane for filed cases. Constraints: Major ROW is non payment of exorbitant compensation as per SDO order, calculation of compensation as per GR dtd 31.05.2017 is awaited from SDO.
1.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	Nov'18	December-2021	Downstream network at Kudus s/s.	Maharashtra State Electricity Transmission Company limited (MSETCL)	LGH:35.78C km TL: 50 nos. FDN: 29 nos. TE: 26 nos. STG: 5.27Ckm	➤ Forest: 14.5 hec., 23 locations, 4.142 km length, Revised online proposal submitted on 05.08.2020 All required hard copies submitted to respective DCF office. ➤ ROW: Major Constraint: ROW at loc no 28 for erection, demanding huge compensation, this issue is resolved, the work will be started. As per GR dated 31.05.2017 there is provision for payment of compensation in	➤ Forest: Forest Proposal is at DCF office.ACF visit done on 09.06.2021, DCF visit is expected soon.

	Padghe - Wada line at 400kV Kudus S/s by stringing 3rd & 4thCkt on M/C towers at (a) above- 6.2 kms.						respect of Tower foundation & erection i.e. 2 times the ready reckoner rate. However, revenue authority has issued orders for huge compensation.	
1.c	Con-struction of 220kV MC (Twin) line by making LILO of 220kV Tarapur – Borivali line and Boisar – Ghod-bandar line at 400 kV Kudus (Padghe II) s/s – 27 km	Jul'19	Decem-ber-2021	Downstream net-work at Kudus s/s.	Maharash-tra State Electricity Transmis-sion Com-pany lim-ited (MSETCL)	LGH: 116.76 Ckm TL: 124 nos. FDN: 86 nos. TE: 55 nos. STG: 0 Ckm	Forest Status: Forest involved 11.11 Hec/2 towers and 3.174 km route length.Revised online proposal submitted on 05.08.2020 ROW: ROW at locs 3 TO 17. Negotiation is in progress. Facing huge opposition in vasai and Bhiwandi areas where multiple project such as Bullet train , DFCCIL, lines, Highways.	➤ Revised online forest proposal sub-mitted on 05.08.2020.RFO Wada vis-ited the site on 6 th May-2021. Now, the proposal is at DCF Dahanu
2	BECL (Padva) - Botad 220kV D/C line	Sep'12	Dec'21	Three 220kV line had been planned for evacuation of	Gujarat Energy Trans. Corp.	LGH: 190 Ckm TL: 310 nos.	➤ Contractual Issue. ➤ Work awarded on Risk & Cost basis	➤ Tender invited on risk & cost of EPC Contractor. Last date of ten-der is 24.09.2018.

				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.	Limited (GETCO)	FDN: 233 nos. TE: 177 nos. STG: 33.8 Ckm		➤ Tender date extended up to 24.04.2019 which is further extended to 01.07.2019. Tender under acceptance at Procurement & Project Committee conducted on 23/08/2019. ➤ LoI is placed on 22/10/2019 ➤ Presently work is stalled due to Covid-19 outbreak, lack of construction gang.
3	Mundra (Adani) - Zerda 400kV D/C line 1	Jun'12	Dec'21	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: 996 nos. FDN: 491 nos. TE: 293 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. Gayatri.	➤ 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. ➤ For Pkg 1: Tender is on website and last date of tender is 09.04.2019 and because of lack of competition further extended to 24.04.2019, 18.06.2019, 15.07.2019, 20/08/2019, 17/09/2019, 03/10/2019, 17/10/2019, 18/11/2019, 16.12.2019. Tender under Acceptance. Due to high quote, pkg is again Retendered on 28.02.2020 and last date of submission of bid is 30.03.2020. Extended to 04.05.2020, 27.05.2020 & further to 16.06.2020, 07.07.2020, 05.08.2020, 16.09.2020, 06/10/2020, 10/11/2020, 15/12/2020, 06/01/2021, 22/02/2021,

								16.03.2021, 07.04.2021, 04.05.2021 15.06.2021, 17.05.2021, 24.08.2021 ➤For Pkg 2: Material accounting is completed. NIT done and due date of submission of bid is 07-01-2020. Due to no response, pkg is again Re-tendered on 28.02.2020 and last date of submission of bid is 30.03.2020. Extended to 04.05.2020, 27.05.2020 & further to 16.06.2020 & 07.07.2020, 05.08.2020, 16.09.2020, 06/10/2020, 10/11/2020, 15/12/2020, 06/01/2021, 22/02/2021, 16/03/2021, 07.04.2021, 04.05.2021, ➤17.05.2021, 15.06.2021, 14.07.2021, 24.08.2021
4.a	Wanakbori TPS-Soja 400 KV D/C line	Mar'15	Dec'21	ATS of Wanakbori TPS	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 213.7 Ckm TL: 322 nos. FDN: 322 nos. TE: 321 nos. STG:184.93 Ckm	➤Severe Row Issue	➤Work in Progress ➤Severe RoW issue, Matter is pending at High Court ➤Work is also impacted due to monsoon season
4.b	Soja – Zerda 400 KV D/C line	Mar'16	Mar'22	-Do-	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 268 Ckm TL: 398 nos. FDN: 396 nos. TE: 395 nos. STG: 259.41 Ckm	➤Severe Row Issue	➤Work in Progress ➤Severe RoW issue, Matter is pending at High Court. Work is also impacted due to monsoon season
5	Khandwa Pool – Dhule 765 kV D/C (TBCB)	Jul'19	Dec'21	To evacuate power from 1320MW (2x660MW) NTPC thermal power project	Khargone Transmission Limited (A	LGH: 382.66 Ckm TL: 493 nos. FDN: 493 nos. TE: 493 nos.	➤Work has been stopped due to passing of line through submergence area of proposed Jamphal Dam in Maharashtra.	➤ A meeting was held in District Collector, Dhule office in July, 2019 by CEA officers. DC, Dhule stated that

				at Khandwa in the state of Madhya Pradesh.	subsidiary of Sterlite Power Transmission	STG: 382.66 Ckm	➤NOC from Irrigation department, Dhule is awaited. A meeting was held on 12-02-2021 by the Committee being constituted by Ministry of Power under the chairmanship of Member (Power Systems), CEA and as directed by Committee, KTL had submitted the Undertaking on 17-02-2021 and the NOC was granted by Irrigation Dept on 23-02-2021 ➤Forest Proposal was discussed and recommended in the REC meeting held on 11.02.2021 and Stage-I clearance and working permission has been issued. ➤The construction work on the diverted route has been started but the TSP is facing severe RoW issues by the local people ➤PTCC Approval is pending for Diverted route. Approval Received. ➤Power Line Crossing Approval for Tower No 58/0 – 59/0 is awaited from M/s BDTCL	considering the ongoing work of Jamphal Dam construction of line through submergence area cannot be allowed and KTL has to re-route the line avoiding submergence area of dam. ➤ Forest clearance proposal for diverted route is pending with Government of Maharashtra. ➤ CEA vide their letter dated 7.04.2020 has requested DC, Dhule to extend support for expediting construction of line on earlier approved route. ➤A meeting was held on 05-11-2020 under the chairmanship of Chairperson, CEA along with the representative from KTL, DC – Dhule, and representatives from Irrigation Dept - Govt of Maharashtra and it was deliberated that KTL has complied all the provisions of Electricity Act, 2003 and NOC from Irrigation dept was not required. However, keeping in view the interest of both the projects for its timely completion, NOC shall be issued by Irrigation Dept to KTL by 15 Nov 2020. ➤Irrigation Dept is not allowing KTL to work on Diverted route. Support is required from Ministry of Power to resolve the issue by arranging a meeting with Principal Secretary (Water resource dept), Govt of Maharashtra.
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Critical Transmission Projects in Southern Region (SR)

Sr. No .	Transmis-sion Corridor	Sched-uled Commis-sioning Date	Actual/ Likely Commission-ing Date	Transmission Constraint	Executing Agency	Progress	Reason for delay and brief detail of issues	Action required/Re-medial measures taken
1	Vemagiri – Kamavarapu-kota 400 KV D/C line	May'17	Dec'21	Relieve constraints in 400 KV net-work at Vemagiri (PG).	Transmission Corporation of Andhra Pradesh Limited (AP-TRANSCO)	LGH:186.72 Ckm TL: 268 Nos FDN: 248 Nos TE: 211 Nos STG: 100.508 CKm	➤ Delay due to: 1) Out of 268 Nos tower loca-tions, 137 Nos locations are in paddy fields which are having three crop seasons per year and average working season in a year is 45 days approximately. ➤ 13 Nos Locations are having severe ROW issues. ➤ Necessary action is being taken to resolve the issues.	➤ 2 No Tower Founda-tion, 1 No Tower Erec-tion & 4.824 KM Stringing works are un-der progress.

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
1	Warora (Pool) – Warangal (New) 765 kV D/C line (TBCB)	Nov'19	Jan '23	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 Adani Transmission Limited)	LGH: 665Ckm TL: 844 nos. FDN: 774 nos. TE: 425 nos. STG:58.6Ckm	➤ Work in Maharashtra state is stopped completely due to RoW problem ➤ As per route identified by BPC (PFC) the line would traverse through coal bearing area of Western Coalfields Ltd (Maharatna) and Singareni Collieries company Ltd, Telangana. Both WCL and SCCL wants the route to be diverted to avoid coal bearing area as their mining activity are expected very soon. About 4 towers are falling in SCCL area and 16 towers in WCL area. ➤ Due to no. of Force majeure condition the CERC Petition 334/MP/2020 filled seeking extension of scheduled commercial operation date along with consequential reliefs. on account of force majeure events on 05-03-20 and order received on 07-02-21. ➤ Also M/s Adani Transmission Ltd. has gone for substitution process of M/s WKTL. Joint petition is filed in CERC in Jan'20. Joint Petition No.	➤ MoP vide letter no. 7/1/2017-Trans dated 26.06.2019, had constituted a committee under the Chairmanship of Chief Engineer, CEA with representatives from Ministry of Coal (MoC), WCL, CMPDI, SCCL, CEA & WKTL, TANGEDCO and KSEB to examine the issue and suggest possible solutions on the matter. Accordingly, report was submitted to MoP. ➤ It has been decided that construction on coal bearing area of SCCL would be completed along the approved route. ➤ In the coal bearing area of WCL two alternative routes (I & II) have been proposed. ➤ Subsequently, a meeting was taken by Additional Secretary (Trans), MoP on 15.11.2019 and CEA has been advised to collect more relevant information in connection with Alternate-II route such as, villages/ landowners likely to be effected & angle points with co-ordinates, etc. As per the decision of meeting held in MoP, the committee has also co-opted members from PFCCL and CTU for further discussion on the matter. In this connection the members of the committee visited Alternate – II route on 16.01.2020. Recommendation of committee has been submitted to MoP. ➤ CEA vide their letter dated 18.04.2020 asked WKTL to complete the balance work on original approved route. ➤ The review meeting conducted by Joint Secretary (Trans.), MoP on 11-11-20, for WKTL Project

						71/MP/2020 is filed in CERC in Jan'20 for Change of management and CERC issued order on 27-01-21 for transfer of 100% shareholding/ any other securities held by Essel Infra or its affiliates (including that which is held under pledge by the Lenders) in WKTL in favour of ATL by execution of Share Purchase Agreement under Article 15.3.2 of TSA read with section 17(3) of the Act. ➤ SPA carried out with ESSEL infra on 26th of March 2021 ➤ All the orders have been placed on EPC agencies and work is planned to commence from May onwards. ➤ Farmers in the section AP 89-AP 98 have filed a writ petition (Civil) No 2269/2019 in the Nagpur Bench of Bombay High court against the compensation amount finalized by the District Magistrate Chandrapur. The hearing of the case was scheduled on 16/06/2021. However postponed and new date is awaited. ➤ Work has been commenced with limited resources on account of the strict lockdown declared by Government of Maharashtra & Government of Telangana vide order dated 13-04-21 & 20-04-21 and same is continued till third week of Jun-21. In Telangana,	➤ MOP, GOI vide its OM dated 12-06-2021 issued the extension of the 3 month for projects under execution as on 01-04-2021. ➤ On 28-06-21, review meeting conducted by Member (PS), CEA, WKTL informed that presently resources mobilized and work is being done at available locations.
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							restriction lifted from 21-06-21 and in the state of Maharashtra & Andhra Pradesh unlock is being done. This has impacted the resource mobilization and actual execution at site. The FM notices has been issued to LTTC on 15-05-21. ➤PGCIL is insisting on putting of our DE tower outside PGCIL boundary. This is violating gantry design of Max span of 200m. The matter is in discussion with PGCIL for Amicable Solution. Work is held up for want of clearance. Heavy rainfall has impacted in Telangana and warora area	
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