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

(As on 30.09.2018)

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

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Legends:

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

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Bareilly- Meerut 765kV D/C line.	Nov'13	-	Bareilly-Meerut 765kV S/C line has not commissioned yet. Early commissioning of this line will strengthen the system.	North Karanpura Transmission Co. Ltd. (NKTCL, 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.	➤ Under litigation	Hon'ble Supreme Court on 12.08.16 has disposed off the appeal and directed Appellate Tribunal of Electricity (ATE) to decide on appeal. Next hearing in ATE is due on 11.10.18.
2	Mohindergarh - Bhiwani 400kV D/C line.	Aug'18	Mar'19	Mohindergarh - Dhanonda 400kV D/C line is critically loaded. These loaded lines would get relief after commissioning of new lines 400 kV Mohindergarh -Bhiwani D/C line.	Powergrid Corporation of India Limited (PGCIL)	LGH: 122 Ckm TL: 181 nos. FDN: 127 nos. TE: 68 nos. STG: 0 Ckm	➤ Forest clearance (2.7 Ha) awaited. Stg.-I received in Sep'18. Proposal submitted. Working permission awaited. Severe ROW in Bhiwani portion affected progress.	PGCIL to expedite progress of line for early completion keeping in view the criticality of its requirement
3	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Nov'18	Required for evacuation of power from (3X 110 MW) Kishanganga HEP	Powergrid Corporation of India Limited (PGCIL)	LGH: 232 Ckm TL: 252 nos. FDN: 251nos. TE: 250 nos. STG: 216 Ckm	Work affected due to disturbance in Kashmir since Jul'16 & thus, slow progress. Delay in finalization of Private Negotiation Committee (PNC) and disbursement of compensation.	PNC completed However, PNC for 11 nos locs. cancelled PNC again held on 18.09.18, but land owner not agree in for rate. Severe ROW in 01 foundation & 06 Kms stringing. Expected completion by Nov'18

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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.	UPPTCL	LGH: 426.15Ckm TL: 1225 nos. FDN: 1182 nos. TE: 1103 nos. STG: 346.243 Ckm	765 KV Jhusi-Unnao section complete. Work on Anpara-Jhusi section incomplete. Contract of M/s Jyoti Structures Limited has been terminated on 26.07.18 due to very poor progress. Balance works awarded to M/s Simplex Infra on 17.09.18 but work is held up due to hindrances being created by local sub-contractors of previous contractor M/s Jyoti Structures.	Letter from MD, UPPTCL sent to DM, Mirzapur and Sonbhadra requesting therein to provide necessary help in the matter. Matter being constantly.
5	Bara TPS- Mainpuri 765kV S/C line-I.	Jun'17	uncertain	Out of 2 no. 765kV S/C lines, one has been commissioned (Ckt-II) but this line is required for evacuation of full power from Bara TPS and to meet N-1 criteria.	SEUPPTCL	LGH: 378Ckm TL: 903 nos. FDN: 613 nos. TE: 346 nos. STG: 0Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL informed that GoUP is considering various options for quick and amicable resolution for completion of project on commercially viable purchase price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.
6.a	Bajoli HEP- Lahal 220kV D/C line	Oct'16	Oct'19	Required for evacuation of power from Bajoli HEP(3x60MW) in H.P., which is scheduled to complete by year 2019-20	HPPTCL	Work awarded in Dec'17. LGH: 36 Ckm TL: - 59 nos. FDN: - 1nos.	CA and NPV amount deposited. Case has been processed for Stage II. Work permission obtained from DFO Bharmour.	Work in Progress.

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						TE: - nos. STG: - Ckm		
6.b	Lahal-Chamera 400kV D/C line	Oct'16	Dec'19	-Do-	HPPTCL	Work awarded on 02.04.18. LGH: - 71 Ckm TL: - 114 nos. FDN: - nos. TE: - nos. STG: - Ckm	In principle approval of the forest case obtained on 23.04.2018. Process for depositing the CA and NPV amount initiated. FRA Certificate Obtained.	Soil Investigation under process.
6.c	630 MVA, 400/220/33 kV Lahal (GIS)	Oct'16	Jun'19	-Do-	HPPTCL	LA:100% CW:65% ER: 50% EE: 15%	Road Widening required for carriage of transformers. Severe road damage due to torrential rains in Sept-18	Work of road widening under progress.
7	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Oct'18	This line is part of ATS of Suratgarh Super Critical TPS (2x660 MW).	RVPNL/ M/s Aster Chennai	LGH: 480 Ckm TL: 676 nos. FDN: 676 nos. TE: 676 nos. STG: 431.12 Ckm	➤ Slow progress	Aviation NOC received. Stringing work under progress. RVPNL to expedite construction of Line.
8	LILO of one ckt of Nathpa Jhakri – Abdullapur 400 kV D/C at Swara Kuddu	Mar'19	Nov'18	This line is ATS of Swara Kuddu (3x37MW) & is required for evacuation power from generating station.	HPPTCL	LGH: 3Ckm TL: 15 nos. FDN: 9 nos. TE: 5 nos. STG: 0 Ckm		Work under progress.

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9	Unnao – Mainpuri (Quad) 765 kV S/C Line	Jul'17	uncertain	This would help in evacuating power from Anpara complex.	South East UP Power Transmission Company Limited (SEUPPTCL)	LGH: 188Ckm TL: 450 nos. FDN: 380 nos. TE: 274 nos. STG: 0Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL informed that GoUP is considering various options for quick and amicable resolution for completion of project on commercially viable purchase price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.
10.a	Rudrapur(Brahmawari) – Ghansali (Srinagar) line	Mar'19	Jun'19	Baramwari – Srinagar 220 kV D/C line and LILO of this line at Singoli Bhatwari HEP (92 km/184 ckm) are required for transfer of power from Singoli Bhatwari HEP up to Srinagar pooling station.	PTCUL	LGH: 182 Ckm TL: - 260 nos. FDN: - 102 nos. TE: - nos. STG: - Ckm	Old contract with M/s LANCO Infratech Ltd was terminated on 25.10.2017. Balance work of Line was awarded to M/s L&T on 28.03.2018	The issue of payments to sub-contractors of M/s LANCO is required to be settled, for which a committee of different wing of PTCUL constituted.
10.b	LILO of Baramwari - Srinagar at Singoli Bhatwari	Sep'19	Dec'19	-Do-	Project Developer (L&T)	LGH: 5 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Contract with LANCO for Brahamwari-Srinagar line was terminated on 25.10.17. LOA placed to L&T for Singoli-Bhatwari to Srinagar section of line on 28.03.18 with commissioning schedule of June-19 in 2 packages.	Principal approval of forest case has been obtained. Compliance report for final approval of forest case has been submitted to regional office MoEF on 04-05-2018.

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11.a	Tapovan Vishnugadh - Kunwari Pass (Pipalkoti) 400 KV D/C line	Sep'19	Dec'19	For transfer of power from Tapovan Vishnugad HEP and Vishnugad Pipalkoti HEP up to Srinagar pooling station.	PTCUL	LGH: 36 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Commissioning schedule of Sept-2019. Forest case submitted on 10-06-2018. Principal approval is pending. Work awarded to M/s Tata Project with a commissioning schedule of Sep'2019	Commissioning schedules of Tapovan-Vishnugad HEP has been revised to September, 2020 and for Vishnugad Pipalkoti revised to Nov, 2020. As a
11.b	Kuwari Pass (Pipalkoti)-Karanprayag – Srinagar 400 KV D/C line	Mar'19	Sep'20	-Do-	PTCUL	LGH: 184 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Transmission line has been awarded to M/s Tata/ Ranjit Singh in 3 packages in Sep, 2017 with commissioning schedule as Sep, 2019. Forest case under preparation and expected to be submitted by Sept 2018.	result there is a mismatch of about one year in commissioning schedule of PTCUL's Transmission line and Hydro Electric Project of NTPC & THDC.
12	400 KV D/C Srinagar-Kashipur	Mar, 19	Sep, 20	For evacuation of power from Singoli Bhatwari HEP(3x33MW), Tapovan Vishnugad HEP(4x1301MW) and Vishnugad Pipalkoti HEP(4x111MW) beyond srinagar, this line is required.	PTCUL	LGH: 362 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Contract had been awarded to M/s Cobra but due to poor financial condition of company, M/s Cobra had abandoned the project. Fresh tendering in process for the project.	Award of scheme is expected in March 19 with implementation time of 18 months.

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13.a	220 KV S/C Alusteng – Drass – Kargil – Khalsti – Leh line	Jan'17	Oct'18	The transmission project shall provide grid connectivity and reliable power supply to the strategically important Ladakh region. The electric supply system of Ladakh Region in the State of J&K is currently isolated from the Northern Grid and is fed through local small hydro generation and diesel generator sets. Being an area of defence establishments and strategic importance, there is a need to improve the reliability of power supply through inter-connection with the Northern Grid.	PGCIL	LGH: 334 Ckm TL: - 1146 nos. FDN: - 1141 nos. TE: - 1129 nos. STG: - 316 Ckm	• Khalsti - Leh Line charged in Nov'17. • Kargil - Khalsti Line charged in Sep'18. • For Drass - Kargil Line, charged in Sep'18. • For Alusteng - Drass Line, Final forest clearance accorded in Jul'17. Expected completion in Oct'18	Tower foundation and tower erection works are under progress. This section will be ready by Oct'18.
13.b	220 kV Substation at Alusteng		Dec'18	-Do-	JKPDD	132/33 KV level 90% completed. 220 KV level 65 % completed.	S/s was awarded to Jyoti structures Ltd. Contractor left in 2014 due to fund crunch. Most of electrical equipment for substation are lying since 2009. Reconditioning job of transformers have been entrusted to M/S Toshiba TTDI for damaged/ missing/ unserviceable parts.	A meeting was held in CEA on 20.06.18 and JKPDD was advised to expedite works of Alusteng s/s matching with Alusteng (Srinagar) – Leh Line.
13.c	Alusteng – Zainkote 220 kV line		Dec'18	-Do-	JKPDD	Length: 100 CKm TL: 160 TF: 149 TE: 103 STG: 18 CKm	• Line was awarded to M/s ECI, Hyderabad. Severe RoW issue at 12 locs.	ROW issues resolved at 1 nos location and at 11 nos location ROW issues still pending. Tower erection works under progress.

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14.a	Tanda – Gonda 400 KV D/C line		Uncertain	ATS of Tanda TPP	UPPTCL/ SEUPPTCL	LGH: 200 Ckm TL: - 241 nos. FDN: - 97 nos. TE: - 54 nos. STG: - 0 Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL informed that GoUP is considering various options for quick and amicable resolution for completion of project i.e. takeover of transmission project on commercially viable purchase price or price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new investor to complete the project.
14.b	Gonda - Shahjehanpur (PG) 400 KV D/C line	Aug'15	Uncertain	-Do-	UPPTCL/ SEUPPTCL	LGH: 460 Ckm TL: - 543 nos. FDN: - 296 nos. TE: - 140 nos. STG: - 0 Ckm	Work at standstill for more than a year due to poor financial health of SEUPPTCL, the transmission service provider, owned by M/s Isolux. The line is a part of TBCB project awarded to M/s Isolux.	UPPTCL informed that GoUP is considering various options for quick and amicable resolution for completion of project i.e. takeover of transmission project on commercially viable purchase price or price M/s PFC may exercise its option of substitution of M/s Isolux or M/s Isolux may be allowed to bring new

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								investor to complete the project.
14.c	LILO of 400 KV Azamgarh - Sultanpur at Tanda	Oct'18	Oct'18	-Do-	UPPTCL	LGH: 2x 66.35Km TL: - 206 nos. FDN: - 199 nos. TE: - 162 nos. STG: - 57.082 Ckm	Proposal for Railway crossing, NHAI crossing submitted and approval awaited. PGCIL line crossing proposal approved. RoW at 1 no Loc being resolved at local level.	Work in progress.
15	Singrauli – Allahabad 400 kV S/C	Sep'18 (Rev.)	Dec'18	Evacuation of power from Singrauli complex	PGCIL	LGH: 154 Ckm TL: 435 nos. FDN: 417 nos. TE: 398 nos. STG: 123 Ckm	➤ ROW in Singrauli District	PGCIL to expedite construction work.

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Critical Transmission Projects in Eastern Region(ER)

Sr. No.	Transmission Corridor	Scheduled Commissioning	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Rajarhat – Purnea 400 kV D/C line	Dec'18 (Rev)	Jan'19	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 881 Ckm TL: 1219 nos. FDN: 1202 nos. TE: 1193 nos. STG: 822 Ckm	➤ ROW issues being faced in Distt. South 24 Pargana (4 locs., 3 Kms), North 24 Pargana 21 locs., 20 Kms) stringing.	➤ Continued support from District/ state Administration is required for completing balance works. Matter being followed up at all level for early resolution. ➤ Work under progress

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2	Angul – Jharsuguda 765 kV D/C line	Dec'17 (Rev)	Nov'18	Required for evacuation of IPP generation projects connected to Angul	Powergrid Corporation of India Limited (PGCIL)	LGH: 590 Ckm TL: 790 nos. FDN: 790 nos. TE: 790 nos. STG: 582 Ckm	➤ Gen. proj. in Srikakulam area delayed beyond 2017-18. ➤ Stringing affected due to ROW near Angul, areas in Odisha (2 Kms) and permission to work in issued for all division in forest area. Tree cutting approval received for 07/07	Matter taken up with Dist. Authority, and work is being under progress with help from Distt. Adm
3.a	North Karanpura – Chandwa 400 kV D/C	Sept'17	Uncertain	Evacuation of power from North Karanpura TPP (anticipated in 1 st quarter of 2018-19).	Adani Transmission Ltd	Work could not be started due to non-availability of NOC from CCL/MoC	The evacuation lines viz North Karanpura- Chandwa 400 kV D/C and North Karanpura- Gaya 400 kV D/C lines are passing through coal blocks near the generating station. Due to non -availability of NOC from CIL/MoC, the work could not start. Several meetings were held at CEA/MoP since Oct 2016 to resolve the issue of NOC.	TSP has served notice on 13.04.2018 for TSA termination under Force Majeure clause and requested LLTC to return CPBG. Ministry of Coal in June, 2018 suggested to choose either of two route options and accordingly, approach CCL/MoC for NOC. NKTL has asked time to conduct survey to evaluate the feasibility of proposed routes.
3.b	North Karanpura – Gaya 400 kV D/C	Sep'19	Uncertain		Adani Transmission Ltd	Work yet to start		

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4	Sagardighi – Gokarna 400kV D/C line	Jul'15	Dec'18	This line is part of ATS of generation project Sagardighi-TPP (2x300MW). Out of 2 lines, one line has been commissioned. This line is required to meet the N-1 criteria.	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.).	
5.a	Teesta III – Kishenganj 400 kV D/C	Feb'13	Oct'18	Hydro projects [Teesta III (1200MW), Tasheding (96MW), Dikchu (96MW), Teesta-V (450MW), Jorthang HEP (110MW), Chujachen HEP (110MW)] in Sikkim may face evacuation constraints in absence of Rangpo – Kishanganj section of line.	Teestavalley Power Transmission Ltd. (JV of Govt. of Sikkim and POWERGRID)	LGH: 427 Ckm TL: 590 nos. FDN: 586 nos. TE: 581 nos. STG: 391.8 Ckm	➤ RoW issue at one location in respect of foundation ➤ RoW issue at one location in respect of erection	➤ Work under progress
5.b	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.	Jun, 20	-	-Do-	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, the loop out portion of line is to be implemented under a separate new scheme. (Earlier part of Sikkam-B project differed for implementation due to forest issues (Eco-sensitive Zone).	New rout of LOOP-Out portion finalized. Forest proposal already submitted on 04.11.17. Tree verification and CA scheme done. Revised forest proposal (40.9 Ha) submitted to DFO, Namchi. CEA had taken a meeting on 29.05.18 and PGCIL was advised to prepone the completion of LILO line.

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6	Jharsuguda – Raipur 765 KV D/C line	Aug'19	Oct'18	Common transmission system associated with Ph-II generation projects in Odisha	Odisha Generation Phase-II Trans. Limited (A subsidiary of Sterlite Power Trans. Limited)	LGH: 608 Ckm TL: 782 nos. FDN: 782 nos. TE: 782 nos. STG: 518 Ckm	Facing Severe RoW issues by Western Coalfields Ltd (WCL) in 17 Nos locations in between 125/3 to 126/0 (approx. 7 kms) as the coal blocks has been allotted to Ghogharpali & Dip extension Ghogharpali Pali. At the time of Sec-164 and Detailed survey, these blocks were not allotted. All the 17 towers have been erected as per the Sec-164 approval.	Stage-I Approval/ tree cutting permission received.

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Critical Transmission Projects in Western Region(WR)

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1	Vadinar-Amreli 400 kV D/C line(balance)	Nov, 09	Jun'19	Associated with Salaya TPS for evacuation of power and its completion would relieve over loading of Hadala - Chorania S/C line. However, interim arrangement with completed portion of Amreli-Vadinar one ckt terminated at Jetpur and second ckt terminated at Hadala relieved loading of Chorania – Kasor.	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 239 Ckm TL: 365 nos. FDN: 315 nos. TE: 269 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: 628 nos. TE: 574 nos. STG: 188 Ckm	Progress affected due to severe row issues.	Works in progress.
3	Mahan-Sipat(Bilaspur) Pooling station 400 kV D/C line	Mar'13	Sept'18	This line is associated with Mahan TPS(2x600MW) of Essar Power for evacuation of power. Presently power is being evacuated through interim connectivity with LILO of 400 kV Korba-V'chal-1.Bilaspur PS commissioned in Mar'12 and delay of dedicated Mahan-Bilaspur line causing constraints	Essar Power Transmission Co. Ltd. (EPTCL)	LGH: 673 Ckm TL: 942 nos. FDN: 942 nos. TE: 942 nos. STG: 673 Ckm	Due to severe RoW issues, local disputes & resistance from farmers the progress has badly hampered. Delay of fund disbursement also played a major role in delay of project progress.	Line commissioned 09/18

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				in the transmission system from Korba STPS.				
4.a	Bableshtar-Kudus 400 kV D/C line	Mar'16	Dec,18	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 elect. Transmission Company Ltd. (MSETCL)	LGH: 456.96 Ckm TL: 730 nos. FDN: 548 nos. TE: 486 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 75 locs. GMR issue: Consequent to the committee report, survey for revised route has been carried out. Clearance received from committee members with the suggestion to re-route on the western side to meet the minimum distance norm of 6 km and on eastern side that has distance of less than 6 KM, 765 kV class bundles conductors to be used. MSETCL is exploring the feasibility of line after incorporating suggestions of committee.	The variation in locations and line length is due to 2 nd diversion of route due to GMRT. 79 nos. foundations and 60 nos. towers will be scrapped due to route diversion by GMRT.
4.b	a) 220 kV MC LILO on 220kV Kolshet - Wada line at 400kV Kudus S/s - 6.2 kms	Nov'18	Nov'18	Downstream network at Kudus s/s.	MSETCL	LGH:31.62Ckm TL: 44 nos. FDN: 11 nos. TE: 0 nos. STG: 0 Ckm	Forest: Area involved 11 ha Online submission of proposal: FP/ MH/TRANS/30180/2017 dt 9.11.2017	Forest: Online queries raised on dt 9.11.2017 are compiled on dt 20.11.2017. Joint inspection carried out on dt 25.1.2018 with forest officer. Application

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	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.							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
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.	MSETCL	LGH: 116.76 Ckm TL: 116 nos. FDN: 10 nos. TE: 0 nos. STG: 0 Ckm	Forest involvement after re-routing: Area involved 2.95 Ha (Appr). Proposal to be resubmitted.	Forest: As per original survey, forest area was 26 Ha (Approx), accordingly online forest proposal was submitted. Now, revised check survey carried out to minimise involvement of forest area. Revised forest area is 2.95Ha.
5	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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6	Salora TPS - Dharamjaigarh 400 kV D/C line	Jul'12	Uncertain	This line would complete the evacuation system of Salora TPS by Vandana vidyut limited. In 40th SCM Meeting: M/s VVL was Not present. As informed by M/s BALCO, work on dedicated line has not yet started. WRLDC filed petition to CERC for disconnection.	Vandana Vidyut Ltd. (VVL)	LGH: 60 Ckm TL: 84 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm M/s VVL has not started line construction.	Project authority has also not been able to execute PPA yet. Target Commissioning date will be provided after approval/receipt of loan from lenders.	Project authority is yet to execute PPA
7	LILO of Lonikhand (MSETCL) – Kalwa (MSETCL) 400 kV line at Navi Mumbai	Dec'18 (Rev)	Dec'18	For drawl of power for feeding loads in and around Navi Mumbai area	Powergrid Corporation of India Limited (PGCIL)	LGH: 16 Ckm + 1.8 km u/g cable TL: 25 nos. FDN: 25 nos. TE: 25 nos. STG: 16 Ckm	A portion (1.8 Kms) of line being executed using underground cable, affected due to severe ROW problem. In Dec'16 local miscreants burnt about 850 mtrs. cable. 2.7 Km to be replenished due to damage by miscreants. Replacement being arranged. Completion expected by DEC'18. However, commissioning linked to readiness of downstream system of MSETCL (Critical).	Police protection/ administrative support is requested to complete balance work.
8	BECL (Padva) - Botad 220kV D/C line		Dec'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	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.

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				issue in Botad area. This Line is also required for evacuation of power from BECL (Padva)-2X250 MW in Gujarat state.				
9	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.	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 therefore GETCO is planning to do the material accounting in the presence Panch. Recently, GETCO received confirmation from the agency for the appearance in the

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								month of Sep-18. After finalization of material accounting, the risk & purchase tender is planned to be invited
10	1200KV D/C Wardha - Aurangabad line (initially charge at 400KV)	Oct'08 / Mar'16 / Mar'18	Feb'19	Regional System Strengthening in WR for Mundra (UMPP)	PGCIL	LGH: 700 Ckm TL: 961 nos. FDN: 960 nos. TE: 938 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. Ist part awarded in Dec'14 and second part in Feb'15. The remaining 1 pkg. also terminated in Aug'15 due to poor performance. However, contract was revived in Feb'16. Severe ROW being encountered. Due to thunderstorm & cyclone in Jun'18, 10 foundation., 15 tower & 9 ckm stringing damaged.	
11.a	Wanakbori TPS- Soja 400 KV D/C line		Dec'18	ATS of Wanakbori TPS	GETCO	LGH: 212 Ckm TL: 343 nos. FDN: 272 nos. TE: 271 nos. STG: 144 Ckm	WIP / Severe Row Issue	

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11.b	Soja – Zerda 400 KV D/C line		Jan'19	-Do-	GETCO	LGH: 268 Ckm TL: 447 nos. FDN: 382 nos. TE: 373 nos. STG: 191 Ckm	WIP / Severe RoW Issue	
11.c	LILO of 400 KV Wanakbori -Soja line at Dehgam (PG) S/S		Dec'18	-Do-	GETCO	LGH: 14 Ckm TL: 23 nos. FDN: 20 nos. TE: 18 nos. STG: - Ckm	Work in Progress	

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Critical Transmission Projects in Southern Region(SR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Edamon-Muvattupuzha (Cochin) 400kV D/C line	Sep'18 (Rev)	Dec'18	➤To decongest 220kV North - South corridor of Kerala. ➤It is also a part of ATS of Kundakulam APP (2x1000MW)	Powergrid Corporation of India Limited (PGCIL)	LGH: 296 Ckm TL: 447 nos. FDN: 403 nos. TE: 350 nos. STG: 127 Ckm	ROW issues in Dist. Kollam, Pathanamthitta, Kottayam and Ernakulam. With the help of Police protection force work in Kollam, Kottayam and Pathanamthitta, distt. is moving progressively. Tree cutting permission awaited in Pathanamthitta,And Kottayam districts. Progress also affected due to heavy rain/floods.	Support required from Distt. Admn. for assessment of compensation for Tower Standing Area(TSA), sequential finalization of Corridor & augmentation of dedicated Tahsildar & Surveyors for assessment of tree compensation. Work is being done with the help of Police protection. Commissioning expected by Dec'18.
2	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Dec'18	Constraints on Import of power from New grid to SR through Raichur-Sholapur 765kV D/C line.	Powergrid Corporation of India Limited (PGCIL)	LGH: 131 Ckm TL: 178 nos. FDN: 155 nos. TE: 144 nos. STG: 26 Ckm	Severe RoW issues in Bangalore urban area	Revenue survey in 21 Kms corridor in Bangalore Rural and 06 Kms corridor in Bangalore urban is balance. Corridor survey in progress Bangalore Rural.

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3	Somnahally-Dharmapuri (Salem) 400kV D/C line	Sep'18 (Rev)	Dec'18	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 333 nos. TE: 331 nos. STG: 215 Ckm	Severe ROW problem in Bangalore (Urban)- in 18 kms. stretch. affected. Work in Tamilnadu portion completed and balance work (03 fdn., 9 tower erection & 17.17 kms stringing) held up in Karnataka due to ROW. Due to severe protest by Raitha Sangha members & local man and also man handling with labours, stringing work has been stopped in the section 134/0 – 185/0 w.e.f. 31.03.18. Work recommenced on 21.07.18 but again stopped on 27.7.18 due to protest by Raitha Sangh members. Work restarted on 10.08.18. ROW issue being resolved with help of admn.	Balance revenue survey in 1.5 Km in Mantaba Village in Bangalore Urban completed. Report awaited. Survey report of Thammanyakanahalli 2.5 Km received but 01 km stretch in ownership disput (DC order awaited in this regard). Work under progress. Commissioning expected by Dec'18
4.a	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line (TBCB)	Dec'15	Nov'18	Congestion on S1-S2 Corridor. This transmission line is part of ATS of Cuddalore TPS (2x600MW), out of three no. lines two has already been completed.	Powergrid Corporation of India Limited (PGCIL)	LGH: 219 Ckm TL: 575 nos. FDN: 574 nos. TE: 573 nos. STG: 203 Ckm	➤Severe ROW being faced in Karnataka portion of the line and work almost stand still since several months.	➤Administrative support required in resolving ROW issues and providing police support in critical locations. ➤ROW is getting resolved with the help of Administration support.

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4.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'18 (Rev)	Oct'18	This transmission line is part of ATS of Mutiara (Melamaruthur) (Coastal Energen) TPP (2x600 MW).	Powergrid Corporation of India Limited (PGCIL)	LGH: 243 Ckm TL: 644 nos. FDN: 644 nos. TE: 644 nos. STG: 239 Ckm	➤Balance works affected due to interruption by land owners & Karnataka Rajya Raitha in Devanahalli, Dodaballapur, Bangalore Rural & Chickballapur Districts ➤Work under progress in balance stretch with the help of Police protection..	➤ROW 02 Kms stringing section in (Kembathimanhilli village, Devanahalli distt.) Police protection is support to complete the balance stringing work.
5	2x100 MVA, 220/132kV, Huzur nagar S/S		Oct'18	Line is required for evacuation of power from pulichintala HEP 4X30MW in Telangana state. 2 units have already been commissioned & power is being evacuated through pulichintala Huzur nagar 220kV D/C line terminated temporarily at Sitapuram.	TSTRANSCO	All Equipment is erected.	The transportation of Power Transformers is getting delayed due to approach road constraint.	The issue is resolved with Local Panchayathraj officials. Both transformer has been placed.
6	765KV D/C Vemagiri - Chilakaluripeta line	Apr'19	Apr'19	Improve power evacuation from 765 KV Vemagiri (PG), relieve constraints in 400 KV network at Vemagiri (PG), and may increase the transfer capability towards Southern Region. NEW – SR transfer capability will improve.	PGCIL	LGH : 558 Ckm TL : 748 nos. FDN :700 nos. TE : 638 Nos. STG : 401 Ckm	ROW being faced in Krishna Distt. (28 locs) in Nandigrama Mandal. & 21 locs. In Sitanagaram.	Administration support required in ROW resolution.

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7	765KV D/C Chilakaluripeta - Cuddapah line	Apr'19	Apr'19	Strengthening of Transmission System beyond Vemagiri.	PGCIL	LGH : 577 Ckm TL : 768 nos. FDN : 757 nos. TE : 750 nos. STG : 544 Ckm	Final forest clearance received April 18. Wildlife clearance awaited. Work under progress.	
8	400KV D/C Cuddapah - Madhugiri Trans. line (Q)		Feb'19	Will decrease loading on 400 KV lines at Kolar – Hosur – Salem and improve reliability of power transfer between S1-S2 corridor.	PGCIL	LGH : 486 Ckm TL : 649 nos. FDN : 625 nos. TE : 614 Nos. STG : 432 Ckm	ROW being faced at 25 locs. At madhugiri end. Final forest clearance received April 18. Work under progress.	
9	LILO of 765KV D/C Kurnool - Thiruvalam line at Cuddapah.	Jul'18	Oct'18	Will decrease loading on 400 KV lines at Kolar – Hosur – Salem and improve reliability of power transfer between S1-S2 corridor.	PGCIL	LGH : 190 Ckm TL : 267 nos. FDN : 267 nos. TE : 267 Nos. STG : 190Ckm	Erection completed. Testing/rectification work under progress. Commissioning expected by Oct'18.	
10	Vemagiri – Kamavarapukota 400 KV D/C line	Oct'17	Dec'18	Relieve constraints in 400 KV network at Vemagiri (PG).	APTRANSCO	LGH : 185 Ckm TL : 268 nos. FDN : 164 Nos. TE : 112 Nos. STG : 25 Ckm	Works under progress.	
11.a	Julurupadu – Jangaon 400 KV D/C line		Oct'18	ATS of Kothagudem TPS st-VII	TSTRANSCO	LGH : 350 Ckm TL : 488 nos. FDN : 468 nos. TE : 386 Nos. STG : 141.12 Ckm	Works under progress.	

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11.b	Jangaon s/s		Oct'18	-Do-	TSTRANSCO	LA: 100% CW: 90% ER: 70% EE: 40%	Works under progress.	
12	Manuguru TPP (Bhadradi TPS) - Julurupadu 400 KV D/C line		Oct'18	ATS of Bhadradi TPS	TSTRANSCO	LGH : 222 Ckm TL : 313 nos. FDN : 313 nos. TE : 310 Nos. STG : 221 Ckm	RoW is resolved and Works are under progress.	
13.	New Neyveli TPP - Ariyalur (Villupuram) 400 KV D/C line		Jul'19	ATS of Neyveli New TPP	PGCIL	LGH : 148 Ckm TL : 205 nos. FDN : 83. nos. TE : 59 Nos. STG: - Ckm	Work under progress.	

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Critical Transmission Projects in North Eastern Region(NER)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Silchar - Melriat (PG) 400 kV D/C lines (To be Charged at 132 kV)	Jun'18 (Rev)	Nov'18	High loading at 400/132 kV, 125 MVA ICTs at Palatana under 100 MW power supply to Bangladesh & high demand of Tripura.	Powergrid Corporation of India Limited (PGCIL)	LGH: 287 Ckm TL: 451 nos. FDN: 451 nos. TE: 450 nos. STG: 275 Ckm	Major portion of line is in forest. Package re-awarded in Jun'16. Delay in tree cutting affecting site progress is affecting progress. ROW constraint arising due to high demand of compensation in villages under Kolasib and Aizwal distt. Is also affecting completion. Matter has been taken up with DC Kolasib & Aizwal and G/O Mizoram.	
2	Bongaigaon TPS – Rangia 220kV D/C line	Jan'13	Oct'18	One 400kV, two 220kV and one 132 kV line had been planned for evacuation of power from Bongaigaon TPS. Out of 4 lines 2 lines (400kV, 220kV) have been commissioned and balance 2 nos. transmission lines are pending. These lines would be required for evacuation of full power from Bongaigaon TPS. Out of 3 generating units, two has been commissioned and balance two are scheduled to complete by Apr'18.	AEGCL	LGH: 326 Ckm TL: 517 nos. FDN: 517 nos. TE: 515 nos. STG: 278.808 Ckm	Transmission line delayed due to re-alignment of line because of proposed airport at BTAD area, 800 kV HVDC line of PGCIL, ROW issues & Law & order issues.	1. All normal Foundations have been completed, 2.Two (2) nos. of Tower Erection are remaining on completed Pile Foundation. 3. 186.445 ckm of line are idle charged.

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3	Dikchu HEP-Dikchu pool 132kV D/C line.		May'19	This Line is required to evacuate power from Dikchu HEP (2x48MW), In absence of this line, the power from Dikchu HEP is being evacuated through interim arrangement of LILO of Teesta III-Rangpo 400kV line at Dikchu.	SKPPL	Work yet to be awarded by the generation company. The interim LILO line has been completed for evacuation of Power.	Dikchu pooling station and connecting network is covered under Comprehensive T&D scheme being constructed by PGCIL. The land for Dikchu pooling station is yet to be handed over to PGCIL. Route survey of 220KV D/C Dikchu-Singhik (20 Km) line and 220KV D/C Rangpoo (Samardong) - Dikchu (to be operated initially 132KV) has been completed. Foundation work completed.	PGCIL and Power Dept. Sikkim to expedite it
4	Silchar (PG) – Misa (PG) 400kV D/c (Q) line	Nov'20	Jul'19	Enhance reliability and transfer capability of NER power system.	Sterlite Power Transmission Ltd.	LGH: 349.44 Ckm TL: 490 nos. FDN: 145 nos. TE: 30 nos. STG: 0 Ckm		Stage-I Approval/ tree cutting permission received. Works under progress.

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Critical Transmission Projects in Inter-Regional (IR)

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	NIL							

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