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

(As on 31.03.2018)

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

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Legends:

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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)	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 23.04.18.
2	Mohindergarh - Bhiwani 400kV D/C line.	Aug'18	Aug'18	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: 97 nos. TE: 28 nos. STG: 0 Ckm	➤ Forest clearance (2.7 Ha) awaited. Proposal submitted. Working permission awaited. Also work is affected due to poor performance of contractor.	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	Sep'18	Evacuation of power from Kishanganga HEP (Critical as without this line it will not be possible to synchronize and commission Kishenganga HEP units.)	Powergrid Corporation of India Limited (PGCIL)	LGH: 228 Ckm TL: 252 nos. FDN: 234 nos. TE: 174 nos. STG: 127 Ckm	Work affected due to disturbance in Kashmir since Jul'16 & slow progress. Delay in finalization of Private Negotiation Committee (PNC) and disbursement of compensation.	Section-IV issued for 252 locn. and PNC completed for 243 locn., State authorities help required to expedite PNC & compensation issues. Expected completion by Sep.'18.

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4	Anpara-D – Unnao 765kV S/C line.	Jan'12	Jun'18	Required for evacuation of power from Anpara-D STPS	UPPTCL	LGH: 426.149Ckm TL: 1225 nos. FDN: 1182 nos. TE: 1103 nos. STG: 346.243 Ckm	Anpara- Jhansi section of the line(187 ckm) is being constructed by M/s Jyoti Structures which has gone bankrupt and their debt restructuring plan is before National Company Law Tribunal. However, debt restructuring plan for the firm is likely to be approved by the tribunal shortly. In the meantime work is under progress albeit at a slower pace.	There has been deficiency in tower material. The same is being addressed. Line completion is expected by June - 18.
5	LILO of one ckt. of Kishanpur-New Wanpoh at Baglihar HEP 400kV D/C line.	Oct15	Apr18-	Required for evacuation of power from Baglihar HEP	JKPDD/ JKPDC	LGH: 7.94 Ckm TL: 16 nos. FDN: 16 nos. TE: 16 nos. STG: 7.94 Ckm	➤Progress affected due to severe RoW issue at 2 locs and involvement of forest area and matter in court for one location.	LILO Line almost completed but the stringing of tapping span and commissioning of PLCC panels is dependent on approval of shutdown from NRLDC.

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6	Bara TPS-Mainpuri 765kV S/C line-I.	Jun'17	uncertain	Out of 2 no. 765kV S/C line, 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.	UPPTCL representative informed that GoUP is considering to take over transmission project and evaluation of completed work is under progress. Bids for valuers have been invited by M/s PFC. Valuation is expected by april-18.
7.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: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Stage-1 approval accorded for forest clearance. Case processed for Stage-II with MOEF & CC Dehradun	Stage-1 Clearance accorded by MOEF Dehradun.

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7.b	Lahal-Chamera 400kV D/C line	Oct'16	Dec'19	-Do-	HPPTCL	Work awarded. NOA issued on 02.04.18. LGH: - Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Forest case uploaded.	Forest case conditionally recommended for Stage-I. FRA Certificate Obtained. Matter of Construction of 2 No. 400 kV bays at Chamera PS taken up with PGCIL as deposit work.
7.c	630 MVA, 400/220/33 kV GIS at Lahal	Oct'16	Apr'19	-Do-	HPPTCL	LA:100% CW:45% ER: 30% EE: 0%	Civil works under progress	
8.a	Suratgarh TPS-Bikaner 400kV D/C line	Jan,13	Apr'18	This line is part of ATS of Suratgarh Super Critical TPS (2x660 MW).	RVPNL/ Adani transmission	LGH: 280 Ckm TL: 351 nos. FDN: 351 nos. TE: 349 nos. STG: 267 Ckm		Work under progress
8.b	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Apr'18		RVPNL/ M/s Aster Chennai	LGH: 480 Ckm TL: 676 nos. FDN: 676 nos. TE: 670 nos. STG: 387.11 Ckm	➤Slow progress ➤PTCC : Approval pending	RVPNL expediting construction of Line.

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9	LILO of one ckt of Nathpa Jhakri –Abdullapur 400 kV D/C at Swara Kuddu	Mar'19	Jun'18	This line is ATS of Swara Kuddu (3x37MW) & is required for evacuation power from generating station.	HPPTCL	LGH: 3Ckm TL: 15 nos. FDN: 6 nos. TE: 1 nos. STG: 0 Ckm		Forest clearance obtained Work under progress.
10	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.	UPPTCL representative informed that GoUP is considering to take over transmission project and evaluation of completed work is under progress. Bids for valuers have been invited by M/s PFC. Valuation in expected by april-18.
11	Anta- Kota 400 kV D/C		Mar'18	Evacuation of power from Chhabra, Kawai, Kalisindh generation project.	RVPNL	LGH: 45.079 Ckm TL: 135 nos. FDN: 134 nos. TE: 133 nos. STG: 43.363 Ckm	➤ Contractual issues. ➤ Work order withdrawn from M.S. Transcom and awarded to M/s Unique Structures ➤ Involvement of forest (13 locs.) , PTW received on 18.10.17. Work Restarted. ➤ PTCC: approval received.	RVPNL expediting construction of Line.

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12.a	Rudrapur(Brahm wari) – Ghansali (Srinagar) line		Mar'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: - 70 nos. TE: - nos. STG: - Ckm	Contract with LANCO was terminated on 25.10.17. BOQ for re tendering of line in two equal package submitted to Engineering on 21.09.2017.LOA placed to L&T on 28.03.18 with commissioning schedule of March, 19 in 2 packages.	Principal approval of forest case has been obtained. Compliance report for final approval of forest case has been submitted by DFO Pauri, Rudraprayag and Tehri to Nodal officer on 12 Sept 2017. Stage-II Forest clearance is awaited.

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12.b	LILO of Baramwari - Srinagar at Singoli Bhatwari		MAR-19			LGH: 5 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm	Contractual issues in Baramwari – Srinagar line.	Contractual issue. PTCUL was requested by CEA to resolve the contractual issue of Baramwari Srinagar 220 KV D/C line and complete it matching with the commissioning of Singoli Bhatwari HEP to avoid power evacuation from the project.
13.a	Tapovan Vishnugadh - Kunwari Pass (Pipalkoti) 400 KV D/C line		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		PTCUL would take up the matter of commissioning schedule of Tapovan Vishnugad with NTPC and change the implementation schedule, if required.
13.b	Kuwari Pass (Pipalkoti)- Karanprayag – Srinagar 400 KV D/C line		Sep, 19.		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.	

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14	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: 304 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.	Award of scheme is expected in July, 18 with implementation time of 26 months.

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15	(a) 220 KV S/C Alusteng – Drass – Kargil – Khalsti – Leh line (b) 220 kV Substation at Alusteng (c) Alusteng – Zainkote 220 kV line	Jan'17	Sep'18 Sep'18 Sep'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 JKPDD	LGH: 334 Ckm TL: - 1147 nos. FDN: - 1086 nos. TE: - 1010 nos. STG: - 268 Ckm Slow progress	• Khalsti - Leh Line charged in Nov'17. • Kargil - Khalsti Line ready for charging. • For Drass - Kargil Line, severe RoW problem faced in Kargil Distt. Expected in Jul'18. • For Alusteng - Drass Line, Final forest clearance accorded in Jul'17. Expected in Sep'18 • Progress of Alusteng 220 kv s/s and Alusteng – Zainkote 220 kv line is slow	• JKPDD is to expedite Alusteng s/s and its interconnection 220 kv line with Zainkote s/s
16.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 held up.	

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16.b	Gonda - Shahjehanpur (PG) 400 KV D/C line		Uncertain		UPPTCL/ SEUPPTCL	LGH: 460 Ckm TL: - 543 nos. FDN: - 296 nos. TE: - 140 nos. STG: - 0 Ckm	Work held up.	
16.c	LILO of 400 KV Azamgarh - Sultanpur at Tanda		Uncertain		UPPTCL	LGH: 120 Ckm TL: - nos. FDN: - nos. TE: - nos. STG: - Ckm		

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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)	Dec'18	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 881 Ckm TL: 1223 nos. FDN: 1197 nos. TE: 1188 nos. STG: 760 Ckm	ROW issues being faced in Distt. South 24 Pargana (4 locs., 3 Kms), North 24 Pargana 21 locs., 20 Kms) stringing. Blockade near Rajarhat by local public is affecting progress of s/s works since Jan.'17. Forest approval in Jharkhand is also delayed. (Despite help from Distt. Adm., work extremely slow due to stiff resistance from local villagers) in Rajarhat area. Work resumed in Oct'17 with restricted / controlled access of site. But again stopped from 01.12.17 due to protest by locals.	Continued support from District/ state Administration is required for completing balance works. Matter being followed up at all level for early resolution.

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2	Angul – Jharsuguda 765 kV D/C line	Dec'17 (Rev)	Jun'18	Required for evacuation of IPP generation projects connected to Angul	Powergrid Corporation of India Limited (PGCIL)	LGH: 590 Ckm TL: 790 nos. FDN: 772 nos. TE: 759 nos. STG: 449 Ckm	➤ Gen. proj. in Srikakulam area delayed beyond 2017-18. ➤ Stringing affected due to ROW near Banepal, Rairhakhhol, Angul, Athmalbic, Kishorenagar areas in Odisha (11 fdn., 13 T.E. & 24 Kms Stg.) and permission to work in issued for all division in forest area .Tree cutting approval received for 07/07 division Payment done.	Matter taken up with dist. Authority, and help from Distt. Adm. is required for balance works.

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3.a	North Karanpura – Chandwa 400 kV D/C	Sept'17	Sept'19	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 line North Karanpura- Chandwa 400 kV D/C line is passing through coal blocks near the generating station. ➤ Due to non-availability of NOC from CIL the work is presently at standstill	➤ 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. Recently a CCL board meeting was held on 27.12.2017, which also attended by CEA and NTPC representative and CCL Board has agreed to recommend proposal of revised route.

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3.b	North Karanpura – Gaya 400 kV D/C	Sep'19	Sep'19	do	Adani Transmission Ltd	Work yet to start	➤ North Karanpura- Gaya 400 kV D/C line is passing through coal blocks near the generating station ➤ Due to non-availability of NOC from CIL the work is presently at standstill	➤ 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. Recently a CCL board meeting was held on 27.12.2017, which also attended by CEA and NTPC representative and CCL Board has agreed to recommend proposal of revised route.
4.a	LILO of both Ckt. of Purnea-Begusaria at BTPS extension			The system is required for evacuation of power from Barauni TPS ext. (2x250+150) MW, presently power could be evacuated through existing 132kV system.	BSPTCL	Work yet to be awarded		

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4.b	Barauni TPS(Extension)-Hazipur 220kV D/C line.	Jun'16	Jun'18	do	BSPTCL	LGH: 214 Ckm TL: 403 nos. FDN: 401 nos. TE: 397 nos. STG: 204 Ckm	➤ ROW at 1 location and at 1 location foundation in progress	➤ BSPTCL has taken up matter with distt adm to resolve row issues.
5	Sagardighi – Gokarna 400kV D/C line	Jul'15	Marb'18	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.	WBSETCL	LGH: 88.5 Ckm TL: 154 nos. FDN: 154 nos. TE: 154 nos. STG: 83 Ckm	➤ Delay in obtaining. Clearance from Railway & PGCIL, clearance for one railway crossing including approval of one tower foundation is pending till date. ➤ Poor performance of the vendor M/s Jyoti Structure Ltd.	WBSETCL is required to expedite the construction.

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6.a	Teesta III – Kishenganj 400 kV D/C	Feb'13	Jun'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: 430 Ckm TL: 590 nos. FDN: 570 nos. TE: 554 nos. STG: 350.048 Ckm	Progress of project got affected due to objection from ELIM churh & ROW issues from some Tea State & GTA forest and also due to resistance from Villages in Changa Basti in Darjalling foot hills. Work suspended due to resentment by Gorkha Land agitation in Jun'17 now resumed since Oct'17. Demolition of Church has commenced on 28.02.2018 and under progress. Demolition of 22 nos. houses out of 42 nos. houses coming under ROW of Transmission Line has been done and demolition of balance 20 nos. are under progress.	TPTL has to take up the issues of Forest/ROW with appropriate authority for resolution.

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6.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: LGH: 15 Ckm TL: 20 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 deferred for implementation due to forest issues (Eco-sensitive Zone)).	Award placed in Dec'17. New rout of LOOP-Out portion finalized. Forest proposal already submitted on 04.11.17. Tree verification and CA scheme under finalization. Revised forest proposal submitted to DFO, Namchi. Completion sch. Expected by Jun'20.

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7	Jharsuguda – Raipur 765 KV D/C line	Aug'19	May'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: 778 nos. FDN: 748 nos. TE: 684 nos. STG: 340 Ckm	RoW issue: Facing Severe RoW Issues in the following below locations: 1. 7 Nos Locations in between 128/0 to 129/0 – Village - Banjhikochar (Jamkani reserve forest area), Tehsil – Hemgir, Dist - Sundargarh 2. 2 Nos Locations in between 104/0 & 104A/0, Village - Banipathar, District- Raigarh. 3. Nos Locations in between 108/2, 108/3 & 108/4 - Village- Binijkote ,Tehsil- Kharsia, District- Raigarh.	

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Critical Transmission Projects in Western Region(WR)

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	Vadinar-Amreli 400 kV D/C line(balance)	Nov, 09	Mar'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: 309 nos. TE: 267 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 Price Bid opened on 22.01.2018 and tender under scrutiny.	GETCO has taken the necessary action and invited the Risk & Cost Tender. LOA is issued on 05.03.2018.
2	Amreli – Kasor 400 kV D/C line.	June'13	Dec'18	It would relieve Chorania - Kasor S/C line.	Gujarat Energy Trans. Corp. Limited (GETCO))	LGH: 471 Ckm TL: 679 nos. FDN: 621 nos. TE: 569 nos. STG: 161.5 Ckm	Progress affected due to severe row issues and contractual issue with M/s Gaytri	Works in progress.
3	Mahan-Sipat(Bilaspur) Pooling station 400 kV D/C line	Mar'13	Mar'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 in the transmission system from Korba STPS.	Essar Power Transmission Co. Ltd. (EPTCL)	LGH: 670 Ckm TL: 942 nos. FDN: 942 nos. TE: 942 nos. STG: 577 Ckm	Due to severe RoW issues, local disputes & resistance from farmers the progress has badly hampered. Delay of fund disbursement is also played a major role in delay of project progress.	The construction work is in full swing.

Legends:

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4.a	Bableshwar-Kudus 400 kV D/C line	Mar'16	Jun'18	Due to delay in commissioning of 400 kV Bableshwar –Kudus D/C line, heavy loading is observed on 400 kV Bableshwar-Padghe line. Further 400 kV Ektuni-Bableshwar only one circuit is kept in service by MSETCL to control the loadings at Bableshwar.	Maharashtra State elect. Transmission Company Ltd. (MSETCL)	LGH: 447 Ckm TL: 730 nos. FDN: 541 nos. TE: 470 nos. STG: 152.202 Ckm	Progress affected in Nashik and Vashi Zones due to involvement of 148 Ha of forest area and severe RoW issues at 70 locs. GMRT: Consequent to the committee report, survey for revised route has been carried out. The map of diverted route is sent to committee for NOC. Clearance received from committee members. Now, the NOC for diverted route from GMRT Awaited.	MSETCL has carried out the survey according to committee report. Now, the NOC for diverted route from GMRT awaited. The variation in locations and line length is due to diversion of route due to GMRT. 79 nos. foundations and 60nos. towers will be scrapped due to route diversion by GMRT.
4.b	2x500MVA, 400/220 kV Kudus S/s and associated 220 kV downstream system:	Mar 16	Dec'17/ Mar'18	400/220kV, 500MVA ICT-I &II test charged on dtd 29-12-2017 & 15-03-2018. The progress of 220 kV downstream network is slow.	MSETCL	LOA for 220 kV downstream system from Kudus S/s placed.	Delay in awarding of work and construction yet to start	

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	1 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. 2. 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							

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5	Akaltara TPS– Champa pooling station 400 kV 2x D/C line	Jun'15	400 kV D/C line-2 (ckt 3&4) commd in Oct 16 and D/C line-1 is anticipated by Aug'18	-NA-	KSK Mahanadi Ltd.	TLG 56 Ckm TL: 83 nos. FDN: 68 nos. TE: 54 nos. STG: 12Ckm No progress	Fund constraints No progress	1)Funding 2)Planning to match 4 th unit
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	Singrauli – Allahabad 400 kV S/C	Sep'18 (Rev.)	Sep'18	Evacuation of power from Singrauli complex	PGCIL	LGH: 153 Ckm TL: 436 nos. FDN: 391 nos. TE: 355 nos. STG: 98 Ckm	➤ROW at Singrauli end ➤Progress affected due to poor performance by executing agency.	PGCIL to expedite construction work.

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8	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.
9	BECL (Padva) - Botad 220kV D/C line		Dec'18	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.	GETCO	LGH: 190 Ckm TL: 292 nos. FDN: 182 nos. TE: 142 nos. STG: 33.8 Ckm	➤ Severe RoW problems in Botad area.	

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10	Mundra (Adani) - Zerda 400kV D/C line 1	Mar'17	Mar'19	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 Gaytri & M/s Lanco.	Notice for Risk & Purchase has been issued to the contractor. Party has approached to High Court to revert the Risk & Purchase decision of GETCO
11	400KV D/C Wardha - Aurangabad line (up-gradation 1200KV S/C)	Oct'08 / Mar'16 / Mar'18	Dec'18	Regional System Strengthening in WR for Mundra (UMPP)	PGCIL	LGH: 700 Ckm TL: 961 nos. FDN: 960 nos. TE: 937 nos. STG: 536 Ckm	Contract terminated 01 out of 02 packages due to unsatisfactory performance and fresh tender taken up. The package subsequently bifurcated into two part. Ist part awarded in Dec'14 and second part in Feb'15. The remaining 01 pkg. also terminated in Aug'15 due to poor performance. However, contract was revived in Feb'16. Severe ROW being encountered.	
12	765KV D/C Gadawara - Warora Pooling Stn. line	Nov'17	Apr'18	Transmission System associated with Gadawara STPS (2x800 MW) of NTPC.	PGCIL	LGH: 627 Ckm TL: 837 nos. FDN: 834 nos. TE: 823 nos. STG: 534 Ckm	Severe ROW being faced in Maharashtra. Work was stalled at waiver due to Law & order problem created. Work restarted, progress slow.	

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13.a	Wanakbori TPS-Soja 400 KV D/C line		May'18	ATS of Wanakbori TPS	GETCO	LGH: 212 Ckm TL: 343 nos. FDN: 240 nos. TE: 239 nos. STG: 100 Ckm		
13.b	Soja – Zerda 400 KV D/C line		Nov'18		GETCO	LGH: 268 Ckm TL: 447 nos. FDN: 348 nos. TE: 325 nos. STG: 95 Ckm		
13.c	LILO of 400 KV Wanakbori -Soja line at Dehgam (PG) S/S		Apr'18		GETCO	LGH: 14 Ckm TL: 23 nos. FDN: 16 nos. TE: 6 nos. STG: - Ckm		

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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)	Sep'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: 321 nos. TE: 276 nos. STG: 80 Ckm	ROW issues in Dist. Kollam, Pathanamthitta, Kottayam and Ernakulam. With the help of Police protection force work in Kollam, Kottayam and Pathanamthitta, distt. in moving progressively. Ernakulam distt. issue is over except one-line diversion. Foundation work is being affected due to non-availability of aggregate on account of protest by local group of people. Issue has been taken up to Secy. Level.	Support is sought for assessment of compensation for Tower Standing Area(TSA), sequential finalization of Corridor & augmentation of dedicated Tahsildar & Surveyors for assessment of tree compensation. Police protection support is also received for stringing as per required by POWERGRID.

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2	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Sep'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: 132 Ckm TL: 176 nos. FDN: 131 nos. TE: 109 nos. STG: 0 Ckm	Severe RoW issues at 46 locs(Tumkur -1, Bangalore Urban - 10, Bangalore Rural- 35) and also obstruction from activists of 'Karnataka Raithu Sangha. Work hindered due to severe ROW issues and the agency has demobilised gang from site since Oct'15.	Revenue survey is being done along the line to ascertain compensation which is expected to be completed by Dec'17. Meanwhile, award for balance work is placed in Dec'17. Work u/p.
3	Somnahally-Dharmapuri (Salem) 400kV D/C line	Sep'18 (Rev)	Sep'18	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 332 nos. TE: 311 nos. STG: 197 Ckm	Severe ROW problem in Bangalore (Urban)- in 32 kms. stretch. affected. Work in Tamilnadu portion completed and balance work 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.	DC Bangalore issued compensation on 07.10.2017. for 5 villages. Revenue survey in 02 villages are in progress. Police protection is being pursued as when required by Powergrid. Work under progress. Commissioning expected by Sep'18

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4.a	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line (TBCB)	Dec'15	Aug'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: 571 nos. TE: 565 nos. STG: 148 Ckm	➤ Severe ROW being faced in Karnataka portion (130 Kms) of the line and work almost stand still since several months. ➤ Work almost stalled in ramnagar district (85 Kms) and in Tumkur district (45 Kms). Help urgently required for resolution of ROW.	➤ Administrative support required in resolving ROW issues and providing police support in critical locations.

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4.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'18 (Rev)	Sep'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: 215 Ckm	➤Balance works affected due to interruption by land owners & Karnataka Rajya Raitha in Devanahalli, Dodaballapur, Bangalore Rural & Chickballapur Districts Work is being stopped by the villagers frequently.	➤Revised compensation disbursed by DC, Banlalur (Rural) on 01.09.17 and 06.09.17 to land owners of Devanahali & Doddaballpur villages. After this, stringing work in Doddaballpur started w.e.f 16.09.17. DC, Bangalore (Rural) issue compensation order for 46 nos. of villages on 20.11.17 with this order for all villages issued. Police protection is required to complete the balance stringing work.

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5.a	LILO of Chillakallu-Narketpally 220kV D/C line at Huzur nagar.		Apr'18	Line is required for evacuation of power from pulichintala HEP 4X30MW in Telangana state. 2 units has already been commissioned & power is being evacuated through pulichintala-Huzur nagar 220kV D/C line terminated temporarily at Sitapuram.	TSTRANSCO	LGH: 24 Ckm TL: 42 nos. FDN: 42 nos. TE: 42 nos. STG: 24 Ckm	➤Line completed but associated S/s is yet complete. ➤The LILO lines are proposed to be charged by inter connecting 220 KV Pulichintala Hydro Electric Station (PHES) - Huzurnagar feeders with LILO lines and bypassing Huzurnagar SS.	RTUs at PHEPS are to be erected and commissioned by GENCO. RTUs procurement is in progress
5.b	2x100 MVA, 220/132kV, Huzur nagar S/s		May'18	Do	TSTRANSCO	Works under progress.	The transportation of Power Transformers is getting delayed due to approach road constraint. The issue is taken up with Local Panchayathraj officials for widening of approach road	Road widening proposals are pending with Panchayath Raj Department.
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 : 552 Ckm TL : 739 nos. FDN :664 nos. TE : 576 Nos. STG : 235 Ckm	ROW being faced.	

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7	765KV D/C Chilakaluripeta - Cuddapah line	Apr'19	Apr'19	Strengthening of Transmission System beyond Vemagiri.	PGCIL	LGH : 563 Ckm TL : 764 nos. FDN : 732 nos. TE : 723Nos. STG : 452 Ckm	Forest clearance awaited.	
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 : 487 Ckm TL : 648 nos. FDN : 580 nos. TE : 531 Nos. STG :198 Ckm	ROW being faced. Forest clearance awaited.	
9	LILO of 765KV D/C Kurnool - Thiruvalam line at Cuddapah.	Jul'18	Jul'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 : 265 Nos. STG : 186 Ckm	Work under progress.	
10	Vemagiri – Kamavarapukota 400 KV D/C line	Oct'17		Relieve constraints in 400 KV network at Vemagiri (PG).	APTRANSCO	LGH : 185 Ckm TL : 268 nos. FDN : 74 nos. TE : 52 Nos. STG : 0 Ckm		Works under progress.

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11.a	Julurupadu – Jangaon 400 KV D/C line		Sep'18	ATS of Kothagudem TPS st-VII	TSTRANSCO	LGH : 360 Ckm TL : 489 nos. FDN : 298 nos. TE : 166 Nos. STG : 0 Ckm		
11.b	Jangaon s/s		Aug'18		TSTRANSCO	LA: 100% CW: 8% ER: 0% EE: 0%		
12	Manuguru TPP (Bhadradi TPS) - Julurupadu 400 KV D/C line			ATS of Bhadradi TPS	TSTRANSCO	LGH: 222 Ckm TL: 313 nos. FDN: 313 nos. TE: 310 Nos. STG: 220 Ckm		
13.a	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: 39 nos. TE: 4 Nos. STG: - Ckm		
14.b	LILO of existing 400 KV Neyveli TS-II - Pondycherry at New Neyveli TPP		Jul'19		PGCIL	LGH: 7 Ckm TL: 10 nos. FDN: 9 nos. TE: 1 Nos. STG: - Ckm		

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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)	Jun'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: 444nos. TE: 422 nos. STG: 224 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.	Tree cutting in forest area needs to be expedited by forest department.

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2	Bongaigaon TPS – Rangia 220kV D/C line	Jan'13	Mar'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: 513 nos. TE: 511 nos. STG: 242.37 Ckm	Overall 92% completed. A. All normal foundation completed. B. Out of total 10 nos., 6 nos. of Pile foundation are completed so far. Work of 2 nos. are in progress and 2 nos. of Pile Foundation Work are held up due to erosion.. C. 128.024 ckm of line are idle charged.	Compensation issue is the major hindrance.
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

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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: 510 nos. FDN: 50 nos. TE: 0 nos. STG: 0 Ckm		

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TE: Towers Erected;
EE: S/s equipment erected

STG: Stringing Completed;

Critical Transmission Projects in Inter-Regional (IR)

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
	NIL							

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;