

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

(As on 30.09.2017)

Government of India
Ministry Power
Central Electricity Authority
Power System Project Monitoring Division
New Delhi
10th October, 2017



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Contents

Sl. No.	Region	Page No.
1	Northern Region	2-10
2	Eastern Region	11-14
3	Western Region	15-21
4	Southern Region	22-29
5	North Eastern Region	30-33
6	Inter-Regional	34-34

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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)	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 on 09.11.2017
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: 77 nos. TE: 17 nos. STG: 0 Ckm	➤ Slow progress	PGCIL to expedite progress of line for early completion keeping in view the criticality of its requirement

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3	Phagi - Ajmer 400kV D/C line	Sep'12	Nov'17	765kV Phagi s/s has following connectivity: a) 2xS/C 765kV Gwalior - Phagi line b) 1xS/C 765kV Phagi-Bhiwani line c) 765/400kV, 1500MVA ICT-1 &2 d) 400kV Phagi-Bassi D/C line The loading of 400kV Phagi-Bassi D/C is in the range of 900-950MW each ckt. Early commissioning of 400kV Phagi-Ajmer D/C would relief the loading of 400kV Phagi-Bassi D/C line. This line is part of ATS of Kalisindh TPP (2x600MW).	Rajasthan Vidyut Prasaran Nigam Limited (RVPNL)	LGH: 213 Ckm TL: 284 nos. FDN: 284 nos. TE: 282 nos. STG: 148 Ckm	➤Progress affected due to contractual issue with M/s GET. ➤ Approval to 1 no. of NH crossing (loc no. 38-39) is awaited from NHAI.	Work order had been withdrawn from M/s. GET and awarded to M/s Varsana Ispat.on dt 02.02.15

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4	2x1500 MVA, 765/400k Gr. Noida(UP) S/s	Apr'16	Oct'17	Planned connectivity at 765kV Gr. Noida S/S is: (i) LILO of 765kV Agra-Meerut S/C at 765/400 kV Gr. Noida - Commissioned (ii) 2x1500 MVA, 765/400kV Gr. Noida – ICT-I Commissioned in Apl'16 and ICT-II testing under progress needed to be completed at the earliest. (iii) 400kV Gr. Noida- Sikandrabad D/C line – commissioned (iv) Gr Noida – Noida Sector 148 D/C line – completed The commissioning of Gr. Noida- Noida sector -148 400kV D/C line would relief the loading of Dadri- Gr. Noida 400kV line and it would also increase import from WR.	Western UP Power Transmission co. Ltd. (WUPPTCL)	Progress as follows; ICT-II LA: 100% CW: 100% ER: 100% EE: 100% <u>400kVGr.Noida-Noida Sector -148 D/C line</u> LGH:94Ckm TL: 131 nos. FDN: 131 nos. TE: 131 nos. STG: 94Ckm	ICT-II testing under progress and is scheduled to be completed by Nov'17 Line is completed but Substation Noida Sector - 148 of UPPTCL-Being constructed for NOIDA Authority under deposit scheme is not ready, and due to non- availability of fund from the Authority the work is held up at 64% progress.	UPPTCL to expedite construction of Noida Sec-148 S/s
5	Dehradun – Abdullapur 400 kV D/C line	Jun'17 (Rev)	Dec'17	System Strengthening in NR (Enhancement of Uttarakhand connectivity)	Powergrid Corporation of India Limited (PGCIL)	LGH: 179 Ckm TL: 247 nos. FDN: 247 nos. TE: 243 nos. STG: 158 Ckm	➤Balance works affected due to severe ROW and work hampered due to forest & restrict entry in forest during monsoon.	➤Distt Administration / forest deptt. help is sought.

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6	Dulhasti-Kishenpur 400 kV D/C line (115 Ckm)	Sep'17 (Rev)	Dec'17	Evacuation of power from hydro projects in J&K	Powergrid Corporation of India Limited (PGCIL)	LGH: 115 Ckm TL: 340 nos. FDN: 338 nos. TE: 337 nos. STG: 109 Ckm	➤02 nos. location in ROW in Doda district. Land owners are not accepting Private Negotiation Committee (PNC) rates	Distt. Admn. has now decided for Compulsory Acquisition of land. PGCIL has deposited cost of land. Work commenced under Police protection
7.a	Kishenganga – Amargarh 220 kV D/C Line	Jul'17	Jan'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: 85 Ckm TL: 150 nos. FDN: 125 nos. TE: 116 nos. STG: 12 Ckm	Works completely stopped between Jul'16 to Nov'16 due to violent agitation in Kashmir Valley. Though works commenced in Nov'16 but same got intermittently stopped due to bad law & order situation. Forest clearance (3.67 Ha, 5 nos. location) accorded by J&K Govt. in Dec'16. Delay in finalization of Private Negotiation Committee (PNC) and disbursement of compensation.	Section-IV and PNC completed for 144 locn., out of total 150 locn..[5 locn. In forest].]. Payment for only 104 locs. Done. ➤Support required from District Adm. for expeditious disbursement of compensation payment to land owners. ➤Expected Completion by Jan'18 [Matching with Gen.].

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7.b	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Mar'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: 132 nos. TE: 97 nos. STG: 12 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 225 locn., State authorities help required to expedite PNC and compensation issues. Expected Completion by March.'18.
8	Anpara-D – Unnao 765kV S/C line.	Jan'12	Dec'17	Required for evacuation of power from Anpara-D STPS	UPPTCL	LGH: 426.149Ckm TL: 1225 nos. FDN: 1134 nos. TE: 1057 nos. STG: 338 Ckm	Forest clearances have been obtained with permission of work in treeless areas. Tree cutting is balance in Obra, Renukoot and Kaimoor Forest Divisions. Persuasion have been made to DFO Obra, Renukoot and Kaimoor by the Trans Division vide his office letter no. 1065 dtd 16.09.2017, 1061 dtd 16.09.2017 and 1066 dtd 16.09.2017 respectively	Matter is being taken up with Forest Dept for tree cutting and issuance of work permit.
9	LILO of one ckt. of Kishanpur-New Wanpoh at Baglihar HEP 400kV D/C line.		Dec'17	Required for evacuation of power from Baglihar HEP	JKPDD/ JKPDC	LGH: 12 Ckm TL: 17 nos. FDN: 04 nos. TE: 01 nos. STG: 0 Ckm	➤Progress has been affected due to severe RoW issue at 2 locs and involvement of forest area.	Matter is to be taken with distt. authority & state forest dept.

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10	Bara TPS- Mainpuri 765kV S/C line-I.	Jun'17	Jun'19	Out of 2 no. 765kV S/C line, one has been commissioned 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 1) poor financial health of SEUPPTCL.	➤ SEUPPTCL have requested for allowing additional equity participation by a strategic investor. UPPTCL is exploring alternatives for expediting & completing the unfinished works under TBCB project.
11.a	Bajoli HEP- Lahal 220kV D/C line	Oct'16	Apr'19	Required for evacuation of power from Bajoli HEP(3x60MW) in H.P, which is scheduled to complete by year 2019-20	HPPTCL	Yet to start work. Under bidding process. Financial bid under evaluation.	Stage-1 approval accorded for forest clearance.Financial bid under evaluation.	Stage-1 Clearance accorded by MOEF Dehradun.
11 b	Lahal-Chamera 400kV D/C line	Oct'16	Apr'19	-Do-	HPPTCL	Yet to start work. NIT placed. Technical bid under evaluation.	Forest case uploaded.	
11 c	630 MVA, 400/220/33 kV GIS at Lahal		Apr'19	-Do-	HPPTCL	LA:100% CW:15% ER: 0% EE: 0%	➤ Civil works under progress	

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12.a	Agra(UP) – Agra(South) 400kV D/C line	Aug'16	Oct'17	This line is part of ATS of Lalitpur TPS (3x660MW) generation project. Line is needed for transmission of power from Agra (UP) to Agra (south) for feeding load at Agra (South).	UPPTCL	LGH: 139.38Ckm TL: 203 nos. FDN: 203 nos. TE: 203 nos. STG:139.38Ckm	➤ckt-II energised on 05.07.2017. Ckt-I energization is expected in a week or so,	
12.b	3x200MVA 400/132 kV S/s at Agra and downstream System.	Aug'16	Jul'17	It is a part of ATS and needed for feeding load of downstream network.	UPPTCL	LA: 100% CW:100% ER: 100% EE: 100%	➤Substation 3x200 completed in July- 17 and 165 MW load of 132 kV Cantt and Bichpuri S/s connected. 2. LILO lines to connect 132 kV S/s Mathura & Kiraoli is held up due to pending NHAI crossing clearance.	
13.a	Suratgarh TPS-Bikaner 400kV D/C line		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: 278 nos. TE: 195 nos. STG: 46 Ckm	➤Slow progress.	Work under progress
13.b	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Nov'17		RVPNL/ M/s Aster Chennai	LGH: 480 Ckm TL: 676 nos. FDN: 676 nos. TE: 669 nos. STG: 358 Ckm	➤Slow progress ➤PTCC :Pending with BSNL for details.	RVPNL expediting construction of Line. Route diversion of line has been approved.

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13.c	2x315MVA 400/220 kV S/s at Babai.		Sept'17	It is a part of ATS and needed for feeding load of downstream network.	RVPNL/ M/s A2Z Infra Energy.	LA: 100% CW: 100% ER: 90% EE: 94%	➤Firm has been asked to immediately deliver 19 Nos. CT's at site by latest Sep-17 for GSS Charging and also to be complete SCADA by Sep-17 ➤Slow progress by the firm	RVPNL pursuing firm to expedite construction of SS.
14	LILO of one ckt of Nathpa Jhakri –Abdullapur 400 kV D/C at Swara Kuddu	Mar'19	Aug'19	This line is ATS of Swara Kuddu (3x37MW) & is required for evacuation power from generating station.	HPPTCL	LGH: 3Ckm TL: 15 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm	➤Forest clearance obtained.	Work under progress.
15	Unnao – Mainpuri (Quad) 765 kV S/C Line	Jul'17	Jul'19	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 1) poor financial health of SEUPPTCL.	SEUPPTCL have requested for allowing additional equity participation by a strategic investor. UPPTCL is exploring alternatives for expediting & completing the unfinished works under TBCB project.

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16	Orai – Aligarh 765 kV D/C Line	Apr'18	Apr'18	This would enhance the transfer capability & reliability to NR.	Powergrid Corporation of India Limited (PGCIL)	LGH: 664 Ckm TL: 906 nos. FDN: 899 nos. TE: 870 nos. STG: 455 Ckm	Severe ROW problem near urban area which needs to be addressed by PGCIL.	Efforts being made to complete earlier by end of FY 2017-18.
17	LILO of Agra – Meerut 765kV S/C at Aligarh	Apr'18	Apr'18	This would enhance the transfer capability & reliability to NR.	Powergrid Corporation of India Limited (PGCIL)	LGH: 22 Ckm TL: 34 nos. FDN: 24 nos. TE: 17 nos. STG: 00 Ckm	NIL	Efforts being made to complete earlier by end of FY 2017-18.
18	Orai – Orai (Q) 400 kV D/C Line	Apr'18	Apr'18	This would enhance the transfer capability & reliability to NR.	Powergrid Corporation of India Limited (PGCIL)	LGH: 84 Ckm TL: 115 nos. FDN: 115 nos. TE: 115 nos. STG: 69 Ckm	NIL	Efforts being made to complete earlier by end of FY 2017-18.

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Critical Transmission Projects in Eastern Region(ER)

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	Rajarhat – Purnea 400 kV D/C line	Sep'17 (Rev)	Dec'17	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 852 Ckm TL: 1219 nos. FDN: 1175 nos. TE: 1120 nos. STG: 647 Ckm	ROW issues being faced in Distt. South 24 Pargana (4 locs., 3 Kms), North 24 Pargana 22 locs.,8 Kms) and Nadia Distt. (1 loc., 1 Kms). stringing. Blockade near Rajarhat by political group is affecting progress of s/s works since Jan.'17. Despite help from Distt. Adm., work extremely slow due to stiff resistance from local villagers for hefty demand of compensation.	(A portion of line betn. Farakka and Gokarna [236 CKm] has been commissioned in March'17) Continued support from District Administration is required for completing balance works.

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2	Angul – Jharsuguda 765 kV D/C line	Dec'17 (Rev)	Mar'18	Required for evacuation of IPP generation projects connected to Angul	Powergrid Corporation of India Limited (PGCIL)	LGH: 590 Ckm TL: 790 nos. FDN: 710 nos. TE: 663 nos. STG: 196 Ckm	➤ Gen. proj. in Srikakulam area delayed beyond 2017-18. ➤ Stringing affected due to ROW near Banrtala, Rairhakhol, Angul, Thhakurgarh, Kishorenagar handapa, Purnakote areas in Odisha (21 fdn., 41 T.E. & 46.6 Kms Stg.) and permission to work in issued for all division in forest area. Tree cutting approval received for 07/07 division	➤ Matter taken up with dist. Authority, and help from Distt. Adm. is required for balance works. Matter is being perused at RMoEF/State govt for forest issue.
3	New Nabi Nagar- Gaya 400 kV D/C 204 ckm	Dec'17	Dec'17	Evacuation of power from New Nabinagar TPP anticipated in 3 rd quarter of 2017-18	PGCIL	LGH: 189 Ckm TL: 245 nos. FDN: 233 nos. TE: 206 nos. STG: 63Ckm	➤ Work under progress but slow due to standing crop and water logging	➤ Efforts being made to complete matching with Generation requirements.

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4(a)	North Karanpura – Chandwa 400 kV D/C	Sept'17	Sept'17	Evacuation of power from North Karanpura TPP (anticipated in 1 st quarter of 2018-19)	Adani Transmission Ltd	Work yet to start	➤ 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	➤ CEA took meeting with CCL & CMPDI in Oct16, Dec16, May 17 and July 17. Issue of NOC to route of both lines discussed in Board meeting of CCL and proposal forwarded to MoC in Aug 17 , CEA also requested MoC to expedite approval and NOC yet to be issued.
4b	North Karanpura – Gaya 400 kV D/C	Sep'19	Sep'19		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	➤ CEA took meeting with CCL & CMPDI in Oct16, Dec16, May 17 and July 17. Issue of NOC to route of both lines was discussed in Board meeting of CCL and proposal forwarded to MoC in Aug 17, CEA also requested MoC to expedite approval and NOC yet to be issued.
5.a	LILO of both Ckt. of Purnia- 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.		Work yet to be awarded		

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5b	Barauni TPS(Extension)-Hazipur 220kV D/C line.	Jun'16	Oct'17	do	BSPTCL	LGH: 214 Ckm TL: 403 nos. FDN: 382 nos. TE: 377 nos. STG: 178 Ckm	➤Transmission line passes through three district and there is severe RoW issues at 21 locs.50% of line length is along the river ganga so no work could be done from 8/16 to 11/16.	➤BSPTCL has taken up matter with distt adm to resolve row issues.
6	Sterlite TPP-Jharsuguda 400kV 2xD/C line		Sept.17 (1 st D/C line)	This line is ATS of generation project Jharsuguda-TPP. Presently power is being evacuated through interim arrangement of LILO of Rourkela-Raigarh at Sterlite TPP which is creating congestion in the transmission line.	SEL	<u>LILO-I-Jharsuguda line</u> LGH: 40.6 Ckm TL: 64 nos. FDN: 64 nos. TE: 64 nos. STG: 40 Ckm <u>LILO-II-Jharsuguda line</u> Yet to start	Stringing of span 35/0 – 40/0 Is pending due to shut down of Rourkela – Raigarh line is not available.	Work in progress
7	Sagardighi – Gokarna 400kV D/C line	Jul'15	Oct'17	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: 82 Ckm TL: 154 nos. FDN: 153 nos. TE: 151 nos. STG: 78 Ckm	➤Slow progress ➤Work Delayed due to poor performance of the vendor (Jyoti Structures Ltd.)	WBSETCL is required to expedite the construction.

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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	Dec'18	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 retendering under progress. Tender under Scrutiny.	GETCO may take necessary action
2	Amreli – Kasor 400 kV D/C line.	June'13	Mar'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: 557 nos. STG: 137.13 Ckm	Progress affected due to severe row issues and contractual issue with M/s Gaytri	GETCO may take necessary action
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: 939 nos. TE: 916 nos. STG: 429 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 has been started. -2 Tower erection & 3 stringing gang has been deployed at site. More gang is expected in this month.

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4(a)	Bableshwar-Kudus 400 kV D/C line	Mar'16	Dec'17	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: 713 nos. FDN: 555 nos. TE: 485 nos. STG: 152 Ckm	Progress affected due to involvement of 148 Ha of forest area and severe RoW issues at 70 locs. Forest Clearance issue: Nashik Zone - 32 Ha, 27 locs and Vashi Zone - 116 ha, 60 locs. First stage approval received vide no. FC-111/MH-11/2016-NGP/2561 dtd 21.09.2017. ROW issue: A) Nashik Zone : 28 locs, cases filed at SDO Manchar, orders awaited. Fdn ROW : 1 no filed on 02.06.14(Loc 316). 2 nos filed on 11.06.14(loc G297/4, G297/15) 2 nos filed on 21.06.14 (loc. GSC7, G297/13). Erection ROW : 22 nos filed on 24.05.16(Loc G244, GSC-1,GSC-2,GSC-3,GSC-4,G253, G257, G260, G261, G263, G268, G269, G272, G273, G288, G297/16, 306, 311, 314, 332, 343, 344). 01 no filed on 20.01.17. (Loc 125).	MSETCL has carried out the survey according to committee report. Now, the NOC for diverted route from GMRT awaited.

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							Orders awaited B) Vashi Zone : 42 locs cases filed at Collector, Thane on 08.03.2017. Fdn ROW: 22 locs (Loc 146,147,152,153,159A, 160, 161,161A,161B,161C,162,136,137, 138,169,170,171,172, 173, 180,182,182A) Erection ROW: 20 locs (loc S/C4, S/C5,S/C9, S/C10, 18,23,53,64,65,131,132,139,140,143,144,159,163,164,165,199) orders awaited. 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.	
4(b)	2x500MVA, 400/220 kV Kudus S/s and associated 220 kV downstream system	Mar 16	Dec'17	-Do-	MSETCL	LA: 100% CW: 78% ER: 98% EE: 95%	Progress delayed due to delay of associated 400 kV line, involvement of Forest and Adivasi land in approach road	MSETCL has floated tender for 220kV downstream system from Kudus S/s.

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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 Dec17	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 15.	KSK Mahanadi Ltd.	TLG 56 Ckm TL: 83 nos. FDN: 68 nos. TE: 54 litenos. STG: 12Ckm	Fund constraints No progress	1)Funding 2)Planning to match 4 th unit
6	Salora TPS - Dharamjaigarh 400 kV D/C line	Jul'12	Dec17	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 is yet to take up construction of line	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	Anta- Kota 400 kV D/C		Mar'18	Evacuation of power from Chhabra, Kawai, Kalisindh generation project.	RRVPL	LGH: 45 Ckm TL: 135 nos. FDN: 117 nos. TE: 116 nos. STG: 32 Ckm	➤ Contractual issues. ➤ Work order withdrawn from M.S. Transcom and awarded to M/s Unique Structures ➤ Work stopped since Feb'17 due to involvement of forest (13 locs.) &. ROW problem at 2 locs. ➤ PTCC: approval pending.	. Forest: In-Principal approval issued on dt. 28.7.2017
8	Padghe – Kudus 400 kV D/C line	Dec'17 (Rev)	Dec'17	System Strengthening in North West part of WR (transmission beyond Padghe for IPP projects in Chhattisgarh)	Powergrid Corporation of India	LGH: 32 Ckm TL: 46 nos. FDN: 46 nos. TE: 46 nos.	Line completed in Feb'17. Commissioning matching with A'bad – Padghe line &	MSETCL to complete Kudus SS.

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					Limited (PGCIL)	STG: 32 Ckm	readiness of Kudus S/stn. of MSETCL.	
9	Aurangabad – Padghe 765 kV D/C Line	Dec'17 (Rev)	Dec'17	Corridor for transfer of power beyond Aurangabad for IPP projects in Chhattisgarh	Powergrid Corporation of India Limited (PGCIL)	LGH: 570 Ckm TL: 773 nos. FDN: 772 nos. TE: 770 nos. STG: 543 Ckm	Down stream network by MSETCL delayed. Commissioning linked with readiness of downstream system to be implemented by MSETCL. Progress affected due to heavy rains.	Support being extended by Distt authority, Thane, Ahmednagar and Aurangabad in resolving RoW issues.
10	Aurangabad – Boisar 400 kV D/C	Sep'17 (Rev)	Oct'17	Corridor for transfer of power beyond Aurangabad for IPP projects in Chhattisgarh)	Powergrid Corporation of India Limited (PGCIL)	LGH: 690 Ckm TL: 860 nos. FDN: 860 nos. TE: 860 nos. STG: 690 Ckm	Erection completed. Testing under progress, Commissioning expected by Oct'17.	
11	Wardha- Aurangabad 400 kV D/C line (upgraded to 1200 kV)	Feb'18 (Rev)	Feb'18	Regional Strengthening in WR associated with Mundra UMPP	Powergrid Corporation of India Limited (PGCIL)	LGH: 700 Ckm TL: 961 nos. FDN: 959 nos. TE: 923 nos. STG: 521 Ckm	Contract terminated & re-awarded/ revived (with support from PGCIL) due to unsatisfactory performance. Also ROW encountered in Wardha, Wasin, Burdhan, Jalane & A'bad distt. being resolved with support from State govt.. Progress affected due to heavy rains.	PGCIL to expedite construction work
12	Singrauli – Allahabad 400 kV S/C	Jun'16	Feb'18	Evacuation of power from Singrauli complex	PGCIL	LGH: 153 Ckm TL: 436 nos. FDN: 313 nos.	➤ROW at Singrauli end	

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						TE: 276nos. STG: 61 Ckm	➤ Progress affected due to poor performance by executing agency.	
13	LILO of Lonikhand (MSETCL) – Kalwa (MSETCL) 400 kV line at Navi Mumbai	Dec'17 (Rev)	Mar'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 under ground 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'17. However commissioning linked to readiness of down stream system of MSETCL (Critical).	Police protection/ administrative support is requested to complete balance cable trench work
14	BECL (Padva) - Botad 220kV D/C line		Dec'17	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.	Action to be taken by GETCO.
15	Mundra (Adani) - Zerda 400kV D/C line 1	Mar'17	Mar'18	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	GETCO	LGH: 664 Ckm TL: 997 nos. FDN: 453 nos. TE: 275 nos.	➤ Progress has been affected due to severe RoW problem. The executive agency is M/s Lanco for Pkg 1&2 and M/s	GETCO to take up with the concerned authorities to

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				is required to meet the N-1 criteria for the project.		STG: 0 Ckm	Gayatri for Pkg 3. Further, there are contractual issue with M/s Gaytri & M/s Lanco.	resolve the RoW issue
16	LILO of Jamnagar – Jetpur 220kV D/C line-II at Sikka		Dec'17	This transmission line is part of ATS of Sikka TPP Extn, (2x250 MW),	GETCO	LGH: 120 Ckm TL: 189 nos. FDN: 187 nos. TE: 185 nos. STG: 69 Ckm	➤ Severe RoW issue.	GETCO to take up with the concerned authorities to resolve the RoW issue.
17	Vapi- Kala – Kudus 400 kV D/C	Sept'10	Dec'17	System Strengthening in WR for feeding Mumbai area	PGCIL	LGH: 234 Ckm TL: 241 nos. FDN: 232 nos. TE: 218 nos. STG: 184 Ckm	➤ Severe ROW problem in Palghar Distt. ➤ Heavy rain is affecting the work progress.	Matter taken up with the concerned authorities to resolve the ROW issues. Continued support of distt. Admn.
18	Vindhyachal STPS – IV & V Vindhyachal pool (Quad) 400kV D/C line	Jan'18	Jan'18	For N-1 security of VSTPS stage-4 & 5 generation project	Adani Transmission Ltd.	LGH: 54 Ckm TL: 87 nos. FDN: 87 nos. TE: 85 nos. STG: 52 Ckm	a) PTCC approval awaited b) Completion of interconnected bays at Vindhayachal being constructed by PGCIL to be matched with completion of line	Adani to take action in resolving RoW issue

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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	➤ 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: 438 nos. FDN: 216 nos. TE: 136 nos. STG: 30 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.	Support required for assessment of compensation for Tower Standing Area(TSA), sequential finalization of Corridor & augmentation of dedicated Tahsildar & Surveyors for assessment of tree compensation.
2.	Both ckts of one LILO D/C portion of Simadhri-Vijaywada 400 kV line at Vemagiri –I (AP) shall be LILOed at Vemagiri-II (PG)	Jul'18	Mar'18	Removal of constraints in 400 kV bay extn at 400 kV Vemagiri substn	PGCIL	LGH: 61 Ckm TL: 56 nos. FDN: 56 nos. TE: 54 nos. STG: 51 Ckm		Efforts being made to complete earlier in FY 2017-18.

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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
3.	Both ckts of second LILO D/C portion of Simadhiri-Vijaywada 400 kV line at Vemagiri-1 (AP) shall be LILOed at Vemagiri-II.	Jul'18	Mar'18	Removal of constraints in 400 kV bay extn at 400 kV Vemagiri substn	PGCIL	LGH: 56 Ckm TL: 45 nos. FDN: 38 nos. TE: 31 nos. STG: 0 Ckm	➤ ROW constraints and obstruction being faced in East Godavari District affecting approx. 1 location.	
4	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Mar'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: 178 nos. FDN: 131 nos. TE: 101 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. Re-tendering for balance work under progress.	Concerned DC's to issue orders for compensation based on MoP guidelines

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5	Somnahally-Dharmapuri (Salem) 400kV D/C line	Dec'17 (Rev)	Dec'17	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 325 nos. TE: 286 nos. STG: 171 Ckm	Severe ROW problem in Bangalore (Urban)- in 36 kms. stretch. affected. Work in Tamilnadu portion completed and balance work held up in Karnataka due to ROW.	DC to revise compensation and 8 in 5 villages in line meeting with Energy Minister by CMD, POWERGRID on 19.07.17 and expedited the disbursement of compensation to land owners after resolving the ownership issue. Police protection required to start stringing work. Near Bangalore.

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6.a	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line (TBCB)	Dec'15	Mar'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: 551 nos. TE: 533 nos. STG: 117 Ckm	➤ Severe ROW being faced in Kanakapura 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. ➤ 02 locations in wildlife to be cleared.	➤ Administrative support required in resolving ROW issues and providing police support in critical locations. Support required from DC, (B'lore Rural) in providing dedicated revenue surveyors for expediting the work. Police protection needed for continuous progress of the work.

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6.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'14	Dec'17	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: 639 nos. STG: 184 Ckm	➤Balance works affected due to being interruption by land owners & Karnataka Rajya Raitha in Devanahalli, Dodaballapur, Bangalore Rural & Chickballapur Districts	➤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. However, support required from DC, (B'lore Rural) in providing dedicated revenue surveyors for expediting the work. Police protection needed for continuous progress of the work.

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7	LILO of Neelmangla-Hoddy 400kV S/C line at Yelankha	Jun'12	Dec'17	System strengthening SR Grid and supply of power to Bangalore area.	Powergrid Corporation of India Limited (PGCIL)	LGH: 34 Ckm TL: 25 nos. FDN: 25 nos. TE: 25 nos. STG: 10 Ckm	➤4km stringing stretch is held up due to ROW constraints in Bangalore (Urban) District ➤Land owners filed writ petition in High court of Karnataka. ➤Revenue survey to quantify the compensation assessment is under progress. ➤During meeting with Energy Minister & CMD (PGCIL) it has been agreed to pay 12.80 Cr. toward revised compensation. ➤On 15.09.17 Energy Minister held meeting with State Authorities, Powergrid & land owners where all agreed for compensation decided during meeting. ➤Revised Demand letter from DC Bangalore (urban) is awaited for depositing the compensation as decided during meeting on 15.09.17.	Police protection is required for completion of line

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8.a	LILO of Chillakallu-Narketpally 220kV D/C line at Huzur nagar.		Aug'17	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.	
8.b	2x100 MVA, 220/132kV, Huzur nagar S/s		Oct'17	Do	TSTRANSCO	S/s completed and expected to be charged by Oct'17		
9.a	Singareni – Nirmal 400kV D/C line		Sep'17	Line is required for evacuation of power from Singareni Collieries Generation Project (2x 600 MW) in Telangana state. Out of two line one line is already commissioned. This line is required to meet the N-1 criteria.	TSTRANSCO	LGH: 288 Ckm TL: 407 nos. FDN:403 nos. TE: 399 nos. STG: 265Ckm	➤work was awarded to L&T/KEC in 9/2015 with completion period of 15 months. Line work is delayed due to severe ROW issues.The line had to be rerouted due to proposed open cast area near SCCL and dump yard near SCCL	Pile foundation of River Crossing works are under progress.

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9.b	2X315 MVA, 400/220kV, Nirmal S/s.		Oct'17		TSTRANSCO	LA: 100% CW: 95% ER: 95% EE: 90%	➤ Slow progress ➤ SS is scheduled to be commissioned in June 17 but works are delayed due to heavy rocky area in the SS Land.	All the foundations are completed and the equipment erection is under progress.
10.a	Yermarus TPS - Bellary Pooling Station 400kV D/C line		Sep'17	Generating units of Yermarus TPS has been commissioned and power is being evacuated through an interim arrangement i.e. LILO of RTPS-BTPS 400kV line at YTPS . Due to the transmission constraints the power is getting bottled up and back down of generation at BTPS & RTPS is being done to avoid congestion in the transmission corridor during evacuation of power from YTPS. For smooth evacuation of power the associated transmission system is needed at the earliest.	KPTCL	LGH: 270 Ckm (Revised) TL: 392 nos. (Revised) FDN: 392 nos. TE: 391 nos. STG: 268.22 Ckm	➤ Row issues resolved and line work is expected to complete by Oct-17.	

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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 (Charged at 132 kV)	Feb'18 (Rev)	Feb'18	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: 424 nos. TE: 344 nos. STG: 162 Ckm	Major portion of line is in forest. Package re-awarded in Jun'16. Delay in tree cutting affecting site progress.	Tree cutting in forest area needs to be expedited by forest department.
2	Legship – New Melli 220 kV D/C line	Nov'17	Oct'17	Essential for synchronization and evacuation of power from Tashiding HEP	Powergrid Corporation of India Limited (PGCIL)/Govt of Sikkim	LGH: 19.6 Ckm TL: 35 nos. FDN: 35 nos. TE: 34 nos. STG: 17 Ckm	Tower loc. no. 15/0 (DD+18M) got damaged due to falling of rock mass from up hills due to heavy rains in Jul'17. Rectification of foundation work completed. Re-erection of tower including stringing expected to be completed by 10 th Oct'17. Commissioning expected by mid Oct'17 .	Rectification work under progress.

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3(a)	Teesta III – Kishenganj 400 kV D/C	Feb'13	Mar'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	Teesta Valley Transmission Company (JV of POWERGRID)	LGH: 430 Ckm TL: 591 nos. FDN: 540 nos. TE: 521 nos. STG: 316 Ckm	Slow progress by project authority as well as row issues Work suspended due to recent agitation by Gorkha Land agitation since Jun'17 affecting the progress.	Matter has been taken up with the state govt and a committee headed by District Commissioner is working on resolution of these issues and the portions of site area are being cleared one by one.
3(b)	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.			-Do-	PGCIL	i) Loop - In portion of LILO line up to Rangpo completed. ii) Loop - Out portion of LILO line upto Rangpo is under bidding stage	As agreed in ERPC, the loop out portion of line is to be implemented under a separate new scheme.	NIT issued. OBD held on 18.08.17. and under evaluation .

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FDN: Foundation Completed;
ER: S/s equipment received;

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

STG: Stringing Completed;

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
4	Bongaigaon TPS – Rangia 220kV D/C line	Jan'13	Oct'17	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.	AEGCL	LGH: 326 Ckm TL: 517 nos. FDN: 512 nos. TE: 510 nos. STG: 211 Ckm	Overall 89% completed. A. All normal foundation completed. B. 5 nos. of Pile foundation completed.	AEGCL to expedite construction of line
5	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 400 kV LILO line has been completed	Dikchu pooling station and connecting downstream 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 (6 Km) line has been completed. 03 nos. foundation work completed.	PGCIL and Power Dept. Sikkim to expedite it

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6	LILO II of Ranganadi - Nirjuli 132kV S/C line at Pare HEP		Nov'17	This Line is required to evacuate power from Pare HEP (2x55MW), Out of two LILO lines one has been completed. But second line would be needed for full power evacuation.	Powergrid Corporation of India Limited (PGCIL) / NEEPCO	LGH: 3 Ckm TL: 10 nos. FDN: 10 nos. TE: 10 nos. STG: 3 Ckm	Work of LILO line completed in Mar'17, However, 2 towers of Ranganadi-Nirjuli line required shifting because of their submergence in the Pare HEP Dam, which is under progress & completion expected by Nov'17	PGCIL to expedite the shifting of towers

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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
1	Jabalpur PS – Orai 765kV D/C line	Apr'18	Apr'18	This would enhance the transfer capability & reliability to NR.	Powergrid Corporation of India Limited (PGCIL)	LGH: 721 Ckm TL: 969 nos. FDN: 969 nos. TE: 969 nos. STG: 721 Ckm	Line is completed and ready for commission but associated substation at Orai is expected to be completed by April 18	Testing under progress. Commissioning matching with Substation.

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