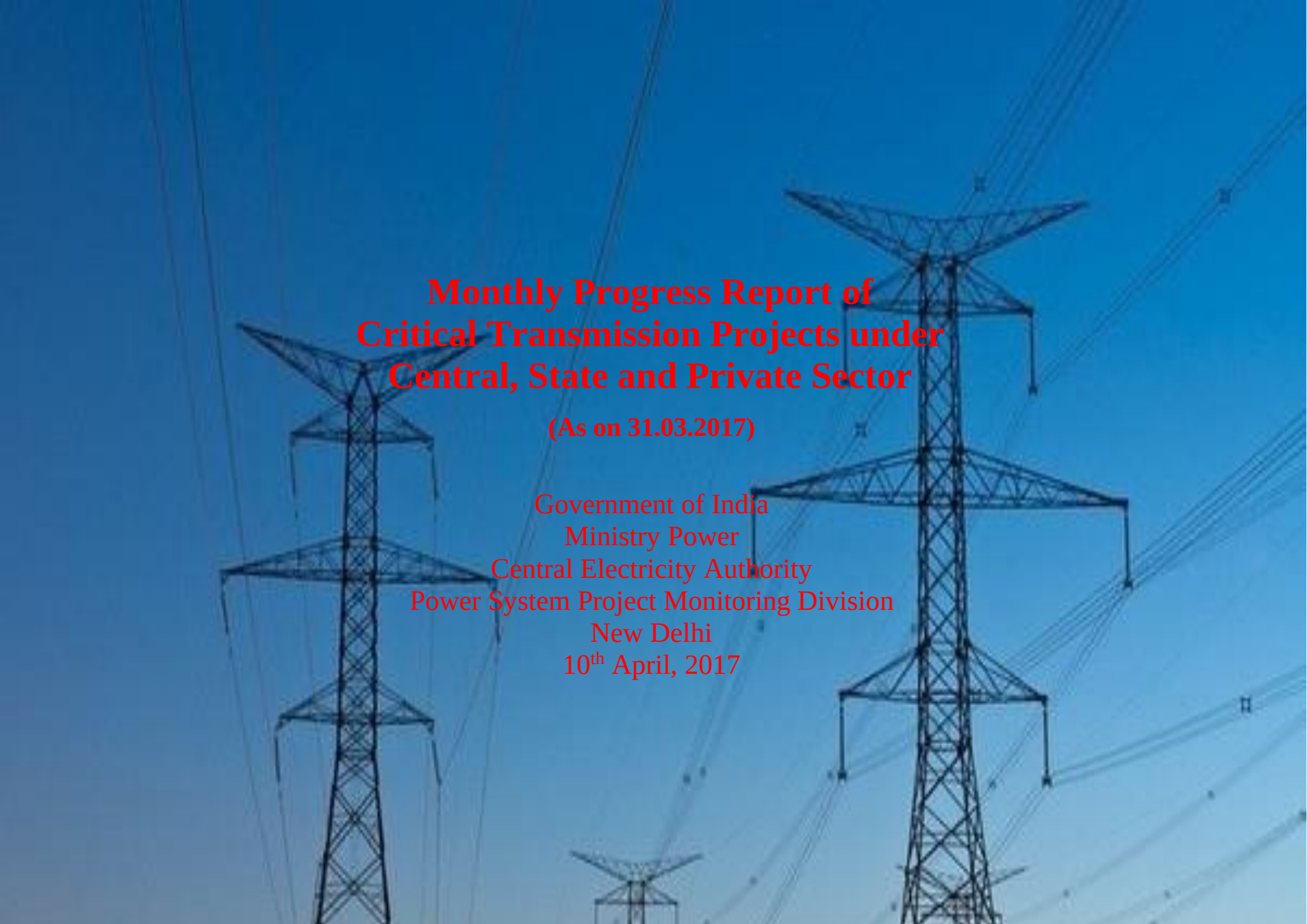




Monthly Progress Report of Critical Transmission Projects under Central, State and Private Sector

(As on 31.03.2017)

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



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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 of the appeal and directed ATE to decide on the appeal
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: 120 Ckm TL: 183 nos. FDN: 22 nos. TE: 0 nos. STG: 0 Ckm	➤ Slow progress	PGCIL is to expedite progress of line

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5	Dehradun – Abdullapur 400 kV D/C line	Nov'14	June'17	System Strengthening in NR (Enhancement of Uttarakhand connectivity)	Powergrid Corporation of India Limited (PGCIL)	LGH: 178 Ckm TL: 247 nos. FDN: 247 nos. TE: 242 nos. STG: 155 Ckm	➤5.0 km of stringing at Saharanpur is under severe ROW. Delay in tree cutting by forest dept. in Uttarakhand has affected stringing.	Distt Administration help is sought
6	Dulhasti-Kishenpur 400 kV D/C line (115 Ckm)	Nov'14	Jun'17	Evacuation of power from hydro projects in J&K	Powergrid Corporation of India Limited (PGCIL)	LGH: 115 Ckm TL: 340 nos. FDN: 336 nos. TE: 330 nos. STG: 106 Ckm	➤Land owners in villages Badanoo, Tipri and Phagsoo in Thathri, in Dist. Doda are creating obstruction at 6 locs [52/0, 53/0, 54/0, 55/0, 56/0, 58/0 and 59/0 and stringing betn 52/0 to 64/0]. ➤Land owners are demanding diversion of line and also high compensation due to involvement of apple Orchard. Works at these locs are held up since last three years.	➤PGCIL has taken up with DC, Doda for expeditious settlement of compulsory land acquisition and compensation. Support from District Administration required for completing balance works of the line
7	Kishenpur- New Wanpoh 400 kV D/C line (132 km D/C + 7 km Multi ckt) (278 Ckm)	Nov'15	Jun'17	Evacuation of power from hydro projects in J&K	Powergrid Corporation of India Limited (PGCIL)	LGH: 279 Ckm TL: 399 nos. FDN: 398 nos. TE: 396 nos. STG: 274 Ckm	➤Fdn. works at Locn. No. 76/0 in Distt./Tehsil Ramban and erection at Locn. No 73/0, 74/0, 75/0 and Stringing between locn. 54/0-55/0 and 55/0- 56/0 in Nagam, Banihal Tehsil, Distt. Ramban are held up since last three years due to severe ROW issues. Land owners are demanding diversion of line.	➤Matter taken up with the Land Acquisition Collector, Dist. Administration and State Govt. Continuous support from Dist. Adm. required for completing balance works of the line.

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8.a	Kishenganga – Amargarh 220 kV D/C Line	Jul'17	Nov'17	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: 84 Ckm TL: 148 nos. FDN: 99 nos. TE: 47 nos. STG: 0 Ckm	➤The line is traversing through Districts of Bandipora & Baramulla in J&K. As per state laws, land for tower is to be acquired. ➤Works completely stopped since 08th Jul'16 due to violent agitation in Kashmir Valley. During Nov'16, though works commenced but same got intermittently stopped due to bad law & order situation. ➤Forest proposal submitted (3 Ha, 4 nos. location). FAC completed. Cabinet approval pending.	Expeditious issuance of Section-IV Notification and settlement of land compensation rate for all locations through the Private Negotiation Committee (PNC) is required in above districts. So far, out of 150 locations, Section-IV issued for 114 locn. and PNC done for 90 locn. Only.Support from District Adm. required for completing balance works of the line.
8.b	Kishenganga – Wagoora 220 kV D/C Line	Jul'17	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: 248 nos. FDN: 76 nos. TE: 21 nos. STG: 0 Ckm	➤Work affected due to disturbance in Kashmir since Jul'16 & slow progress.	State authorities help is needed to resolve the disturbance and compensation issue.

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9	Anpara-D – Unnao 765kV S/C line.	Jan'12	Sep'17	Required for evacuation of power from Anpara-D STPS	UPPTCL	LGH: 416 Ckm TL: 1225 nos. FDN: 1117 nos. TE: 1039 nos. STG: 337 Ckm	➤Tree cutting for making corridor is pending with DFO Kaimoor.	UPPTCL may take up matter with state forest dept.
10	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.
11	Bara TPS- Mainpuri 765kV S/C line-I.		Jun'17	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: 375 Ckm TL: 889 nos. FDN: 613 nos. TE: 346 nos. STG: 0 Ckm	➤The progress has been affected due to severe RoW issue and weak financial condition of developer.	UPPTCL may take up matter with SERC on financial issue of company.

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12.a	Chanju HEP-Narkot 132kV D/C line		May'17	The transmission system required for evacuation of power from Chanju HEP (3x12MW):	HPSEBL	LGH: 12 Ckm TL: 30 nos. FDN: 29 nos. TE: 27 nos. STG: 10 Ckm	➤The progress has been affected due to pending forest clearance	Matter is to be taken up with the state forest department./ HPSEBL/PGCIL
12.b	LILO of Kurthale-Bathri 132kV line at Narkot (PS)		May'16		HPSEBL	LGH: 1 Ckm TL: 1 nos. FDN: 1 nos. TE: 1 nos. STG: 1 Ckm		
12.c	220/132 kV Narkot Pooling Station		-		PGCIL	Yet to start work.		
13.a	Bajoli HEP-Lahal 220kV D/C line	Oct'16	July'19	Required for evacuation of power from Bajoli HEP(3x60MW) in H.P, which is scheduled to complete by Aug'18.	HPPTCL	Yet to start work.	➤Forest clearance pending	HPPTCL may expedite forest clearance and also construction of line in non-forest area
13.b	Lahal-Chamera 400kV D/C line	Oct'16	July'19			Yet to start work.		
14	Goindwal Sahib-Bottianwala 220 kV D/C line		Dec'17	This line is part of ATS of Goindwal Sahib (2x270MW) generation project. Out of three nos. 220Kv D/C lines two nos. has been commissioned. This line shall be required for evacuation of full power from generation project.	PSTCL	LGH: 129 Ckm TL: 201 nos. FDN: 163 nos. TE: 160 nos. STG: 0 Ckm	➤Contractual issue and stringing yet to start	PSTCL

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15	Kashang- Jhangi PS 220kV D/C line			220kV D/C line planned for evacuation of power from Kashang HEP and this line would be required to meet the N-1 criteria. Kashang – Bhaba 220kV line of HPPTCL is commissioned.	HPPTCL/ PGCIL	Yet to be awarded	➤Jhangi pooling station and downstream transmission network is yet to be awarded.	PGCIL may takeover construction of Jhangi PS
16.a	Lalitpur TPS – Agra(UP) Ckt-II 765kV S/C line	Jan'17	Apr'17	This line is part of ATS of Lalitpur TPS (3x660MW) generation project. This line would be needed for meeting the N-1 criteria.	UPPTCL	LGH: 335 Ckm TL: 902 nos. FDN: 902 nos. TE: 902 nos. STG: 335 Ckm	➤Row issue at few locations. ➤Line construction completed, line charging attempt failed on 31-03-2017.	Issue resolved by UPPTCL and line is expected by 4/17
16.b	Agra(UP) – Agra(South) 400kV D/C line	Aug'16	Apr'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: 139.4 Ckm TL: 203 nos. FDN: 203 nos. TE: 203 nos. STG: 130 Ckm	➤Row issue at few locations	Issue resolved by UPPTCL and line is expected by 4/17
16.c	LILO of Agra – Muradnagar at Mathura 400kV D/C line	Aug'16	Jun'17	This line is part of ATS of Lalitpur TPS (3x660MW) generation project. Line is needed for transmission of power from Agra (UP) to Mathura and feeding load at Mathura.	UPPTCL	LGH: 64 Ckm TL: 88 nos. FDN: 88 nos. TE: 86 nos. STG: 46 Ckm	➤Row issue at few locations	Issue resolved by UPPTCL and line is expected by 6/17
16.d	Agra(UP) – Mathura 400kV S/C line	Aug'16	Apr'17	This line is part of ATS of Lalitpur TPS (3x660MW) generation project. Line is needed for transmission of power from Agra (UP) to Mathura and feeding load at Mathura.	UPPTCL	LGH: 142 Ckm TL: 382 nos. FDN: 382 nos. TE: 382 nos. STG: 142 Ckm	➤progress affected by row issues at few location now resolved and Work completed.	Issue resolved by UPPTCL and line is ready for energization by 4/17

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16.e	3x200MVA 400/132 kV S/s at Agra and downstream System.	Aug'16	Apr'17	It is a part of ATS and needed for feeding load of downstream network.	UPPTCL	LA: 100% CW: 91% ER: 100% EE: 95%	➤Progress affected due to litigation in land acquisition	Issue resolved and s/s is ready for energization,
17.a	Suratgarh TPS-Bikaner 400kV D/C line		Jul'18	This line is part of ATS of Suratgarh Super Critical TPS (2x660 MW).	RVPNL/ Adani transmission	LGH: 280 Ckm TL: 360 nos. FDN: 91 nos. TE: 0 nos. STG: 0 Ckm	➤Slow progress.	RVPNL/Adani may expedite construction of line
17.b	Suratgarh TPS – Babai (Jhunjhunu) 400kV D/C line	Jan'13	Sep'17		RVPNL	LGH: 480 Ckm TL: 676 nos. FDN: 661 nos. TE: 606 nos. STG: 293 Ckm	➤Slow progress and route diversion also needed to avoid air force land.	
17.c	2x315MVA 400/220 kV S/s at Babai.		Apr'17	It is a part of ATS and needed for feeding load of downstream network.	RVPNL	LA: 100% CW: 96% ER: 88% EE: 97%	➤Slow progress.	RVPNL may expedite construction of SS.
18	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: 20 Ckm TL: 0 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm	➤Stage-II Forest clearance is pending. Stage -I clearance received in July 2015.	Action to be taken by HPPTCL.

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19	LILO of Parbati II HEP- Parbati-III Pooling station 400kV D/C at Sainj		Apr'17	Line required for evacuation of power from Sainj HEP (2x50 MW)	HPPTCL	LGH: 1 Ckm TL: 1 nos. FDN: 1 nos. TE: 1 nos. STG: U/P Sagging of earth wire upto LILO tower completed, sagging of conductor upto LILO tower under progress	➤ Shutdown of PKTCL line is needed for completion of LILO work.	Action to be taken by HPPTCL.
20	Malerkotla – Amritsar 400 kV D/C Line	Sep'16	April'17	Required in matching time frame of Champa – Kurushetra HVDC.	Essel Infra Projects Ltd. (ESSEL)	LGH: 298 Ckm TL: 413 nos. FDN: 413 nos. TE: 412 nos. STG: 290 Ckm	➤ Forest Approval: Stage-I approval received on 09th Jan 2017. Compliance of compensatory afforestation etc is under process for grant of Stage-II approval.	Action to be taken by Essel Infra.
21	Unnao – Mainpuri (Quad) 765 kV S/C Line		Jul'17	This would help in evacuating power from Anpara complex.	South East UP Power Transmission Company Limited (SEUPPTCL)	LGH: 188 Ckm TL: 449 nos. FDN: 380 nos. TE: 274 nos. STG: 0 Ckm	➤ Slow progress.	Action to be taken by SEUPPTCL.

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22	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: 662 Ckm TL: 939 nos. FDN: 815 nos. TE: 723 nos. STG: 169 Ckm	➤ Severe ROW problem near urban area	Efforts are being made to complete earlier. Action to be taken by PGCIL.
23	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: 30 Ckm TL: 37 nos. FDN: 12 nos. TE: 08 nos. STG: 00 Ckm		Efforts are being made to complete earlier.
24	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: 76 Ckm TL: 111 nos. FDN: 104 nos. TE: 102 nos. STG: 55 Ckm		Efforts are being made to complete earlier.

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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	Apr'16	Sep'17	Required for Eastern Region system Strengthening	Powergrid Corporation of India Limited (PGCIL)	LGH: 953 Ckm TL: 1328 nos. FDN: 1245 nos. TE: 1159 nos. STG: 698 Ckm	➤ Severe ROW constraints being faced at 28 locations; Districts South 24 Pargana (6 locs.- 3 Km), North 24 Pargana (9 locs.- 5 km), Nadia(6locs - 2 Km) Murshidabad(7 locs - 2 Km). Despite support from District Administration, work could not be taken up due to stiff resistance from local villagers for hefty demand of compensation.	Work at Rajarhat SS and associated TL at Rajarhat end is stopped due to agitation of villagers and political parties. Continued support from District Administration is required for completing balance works.
2	Angul – Jharsuguda 765 kV D/C line	Dec'15	Dec'17	Required for evacuation of IPP generation projects connected to Angul	Powergrid Corporation of India Limited (PGCIL)	LGH: 580 Ckm TL: 790 nos. FDN: 694 nos. TE: 615 nos. STG: 132 Ckm	➤ Progress of work affected at 96 locations and 30 km of stringing due to severe ROW issues near Athamalik, Angul, Dhenkanal, Rairhakhola, Sambalpur areas in Odisha. ➤ Involve 461 Ha of forest in Odisha. Stage-I clearance issued in Dec,16. Demand Note towards NPV & CA is under finalization by Forest Divn. Permission to work awaited.	➤ Matter taken up with dist. Authority, Support from District Administration required for completing balance works of the line. Matter is to be taken up with RMoEF/State govt.

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3	Raghunathpur – Ranchi 400 kV D/C line	Aug'10	Apr'17	Required for evacuation of power from Raghunathpur TPS.	Damodar Valley Corporation (DVC)	LGH: 311 Ckm TL: 439 nos. FDN: 439 nos. TE: 439 nos. STG: 309 Ckm	➤Slow progress due to non-availability of working gang and fund crunch of Contractor (M/s Jyoti Structures) and regular theft of conductor affected progress of line.	➤DVC has made arrangement for payment directly to sub-vendor to solve fund crisis of M/s JSL and resumed work in Sep 2015 for balance portion. and charged line at 400 kV up to loc no. 394 on 22.02.2017. ➤During meeting taken by JS (Trans) in Dec 16, JS(T) had requested PGCIL to render assistance to DVC in completing balance works. ➤ACSR moose conductor has been arranged on replenishment basis from PGCIL

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4.a	Barauni TPS(Extension)-Hazipur 220kV D/C line.	Jun'16	Sep'17	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	LGH: 214 Ckm TL: 403 nos. FDN: 368 nos. TE: 339 nos. STG: 93 Ckm	➤This transmission line passes through three district and there is severe RoW issues.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.
4.b	LILO of both Ckt. of Purnia-Begusaria at BTPS extension			-Do-		Work yet to start.		➤ BSPTCL may take construction at the earliest
5	Haldia TPP – Haldia (New) 220kV D/C line		Apl'17	This line is part of ATS of Haldia TPP of IPC(H)L and would be required for evacuation of power from generation project.	ISPAT	LGH: 5 Ckm TL: 15 nos. FDN: 15 nos. TE: 15 nos. STG: 4 Ckm	➤Project Authority needs to complete the stringing of the line and termination. ➤Signing of PPA for 2 nd unit is yet to be done.	ISPAT may expedite construction of line
6	Ind Barath-Jharsuguda PS 400kV D/C line		Apl'17	This line is ATS of generation project Ind Barath TPP (Utkal)(2x350MW).Presently power is being evacuated through interim arrangement of LILO of Rourkela-Raigarh at Ind Barath, which is creating congestion in the transmission line.	IBPIL	Line Completed	➤Line could not be charged due to pending tree cutting in the line corridor since Land owner demanding higher compensation.	IBPIL may take action.
7	Sterlite TPP-Jharsuguda 400kV 2xD/C line		Jul.17	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	LGH: 40 Ckm TL: 64 nos. FDN: 51 nos. TE: 9 nos. STG: 0 Ckm	➤Delay in award of the project. ➤Involvement of Forest. ➤RoW issue.	SEL may take action to expedite progress.

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8	Sagardighi – Gokarna 400kV D/C line	Jul'15	May'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: 152 nos. TE: 144 nos. STG: 37 Ckm	➤ Slow progress	WBSETCL is required to expedite the construction.
9	OPGC TPP – Jharsuguda 400kV D/C line	Jul'17	Jul'17	This line is ATS of generation project OPGC-TPP and required for evacuation of power from generation project.	SGL	LGH: 102 Ckm TL: 152 nos. FDN: 108 nos. TE: 82 nos. STG: 14 Ckm	➤ Severe RoW issues at Loc 12/0,15/5,19/2,22/2,24/0,40/1,41/0,49/2,49/5,52/0,52/1,58/3 and 59/0 in Tehsil Lefripada, Jharsuguda and Lakhanpur in Dist Sundergard and Jharsuguda. PTCC Clearance pending and forest proposal is pending with NO, Bhubaneswar	Action to be taken by SGL/Forest dept.

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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	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 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.	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: 460 Ckm TL: 679 nos. FDN: 619 nos. TE: 549 nos. STG: 88 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	Dec'17	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: 938 nos. TE: 909 nos. STG: 394 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.	Distt administration help has been sought to resolve row issues.

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4(a)	Bableshwar-Kudus 400 kV D/C line and associated 220 kV downstream system	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: 708 nos. FDN: 551 nos. TE: 485 nos. STG: 152 Ckm	Progress affected due to involvement of 148 Ha of forest area and severe RoW issues at 39 locs Forest Clearance issue: Nashik Zone - 32 Ha, 27 locs and Vashi Zone - 116 ha, 60 locs. Proposal pending at Addl. PCCF, Nodal, Nagpur since 15.02.16 Right of ways issue: Nasik Zone- For 39 locs, cases has been filed at Distt. Collector, Pune, order is pending. Vashi Zone- For 27 locs cases is pending at Distt. Collector, Thane. 24 locs of line are falling near GMRT observatory Pune affecting RFI signals and GMRT has objected installation of line near their Antenna(E4-E6), issue is yet to be resolved.	Member(PS) took a meeting on 14.1.2017 to resolve the issue of GMRT. Expert committee members from IIT Mumbai, MSETCL and GMRT and CE(PCD) meeting held on 21.1.2017, recommending to use 765kV tower in place of 400kV tower to raise height as well as clearance and also diversion of line at some locations. MSETCL to take action

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4(b)	2x500MVA, 400/220 kV Kudus S/s	Mar 16	Dec'17			LA: 100% CW: 70% ER: 80% EE: 40%	Progress delayed due to delay of associated 400 kV line	MSETCL to expedite the construction of 220kV downstream system from Kudus S/s
5	Akaltara TPS– Champa pooling station 400 kV 2x D/C line	Jun'15	400 kV D/C line (ckt 3&4) commissioned in Oct 16 and second 400 kV line 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 105 Ckm TL: 64 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm	Fund constraints	Matter is to be taken up with KSK ltd.
6	Salora TPS - Dharamjaigarh 400 kV D/C line	Jul'12	M/s VVL is yet to take up construction of line 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

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7	Padghe – Kudus 400 kV D/C line	Aug'14	Dec'17	System Strengthening in North West part of WR (transmission beyond Padghe for IPP projects in Chhattisgarh)	Powergrid Corporation of India Limited (PGCIL)	LGH: 32 Ckm TL: 46 nos. FDN: 46 nos. TE: 46 nos. STG: 32 Ckm	Line completed and Commissioning is pending due to delay in readiness of upstream and downstream networks.	MSETCL to complete Kudus SS
8	Aurangabad – Padghe 765 kV D/C Line	Aug.14	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: 748 nos. TE: 729 nos. STG: 444 Ckm	➤ Thane: Stiff resistance at 10 no locations and police protection required for executing the work . ➤ Foundation works and stringing works are also severely affected due to delay in assessment of tree compensation by the concerned Taluka Agriculture Officer / Range Forest officer. ➤ Ahmednagar: . For 5 locs (2 Km stretch), administrative support and police protection required . ➤ Aurangabad : Continuous support from District Administration with police protection has been sought for completing the	Matter is to be taken up with distt authority, Thane, Ahmednagar and Aurangabad to resolve RoW issues and provide police protection

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9	Aurangabad – Boisar 400 kV D/C	Jun'14	Sep'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: 847 nos. TE: 823 nos. STG: 538 Ckm	➤ Works severely affected in Nasik district due to involvement of Grape Garden and adjoining agriculture areas under Dindori and Niphad talukas affecting approx. 30 km (58 locs) of the line. ➤ Matter taken up with distt authority and works started from July'16, pending finalization of compensation for Grape Garden. Compensation assessment to land owners in Grape Garden [30 Km] being progressively made based on rates as decided by Distt. Agri Dept. during Nov./Dec'16 at cultivator's risk & profits". Land owners objecting to 30% deduction of value. During a meeting on Oct16 in DC office, it was decided that amount towards 30% deduction be paid to farmers along with compensation assessed.	PGCIL requested DC, Nasik to consider demand of farmers in the interest of completion of line. After intervention by Dist. Authorities, works are progressing.

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10	Wardha-Aurangabad 400 kV D/C line (upgraded to 1200 kV)	Oct'12	Feb'18	Regional Strengthening in WR associated with Mundra UMPP	Powergrid Corporation of India Limited (PGCIL)	LGH: 696 Ckm TL: 961 nos. FDN: 946 nos. TE: 900 nos. STG: 480 Ckm	➤ ROW constraints are being faced in Auranagabd, Jalna, Buldhana & Washim Districts in carrying out the balance works. ➤ Wardha District : Balance work in 8 locs, 7 kM under Wardha is affected due to strong resistance by local villagers. ➤ Washim District : Work in 2 locs (33/0 & 39/0), 2 kM is severely affected due to strong resistance by land owners even after issuance of high court order. Work in loc 39/0 expected to start from 26/12/16 after punchnama	DC, Wardha, Washim, Buldhana, aurangabad and Jalna has issued order . Police protection is needed from Malegaon PS, Biwi PS, Badanapur & Chandan Zira PS and Karmad PS is required for commencement of work. Badanapur and Aurangabad Agriculture department help is required for carrying out spot inspection of fruit bearing trees before commencement of work at certain locations.

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							➤Matter taken up with Principal Secretary, Energy, GoM on 16.09.16 and with Chief Secretary, GoM on 01.012.2016 for early resolution. ➤Support from District Administration sought for completing balance works of the line. ➤Contract terminated 01 out of 02 nos. due to unsatisfactory performance and fresh tender taken up. The package has been Bifurcated into two package 01 pkg. awarded in Dec'14 and second pkg. in Feb'15. Remaning 01 pkg. also terminated in Aug'15 due to poor performance. However, contract was revived in Feb'16. Severe ROW being encountered.	
11	Mauda St-II – Betul 400 kV D/C line	May'16	May'17	Required for evacuation of power from Mauda St-II TPP	Powergrid Corporation of India Limited (PGCIL)	LGH: 386 Ckm TL: 551 nos. FDN: 528 nos. TE: 527 nos. STG: 346 Ckm	Continuation of remaining works [Fdn-23 Locn., TE-24 Locn., Stg-25 Km] severely affected due to ROW in Saoner Tehsil, Nagpur Distt. Strong resistance being faced from land owners with involvement of local leaders.	Matter taken up with DC, Nagpur & State Govt. Police support in Saoner Tehsil asked for completing the works.

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12	LILO of Lonikhand (MSETCL) – Kalwa (MSETCL) 400 kV line at Navi Mumbai	Sep'10	May'17	For drawl of power for feeding loads in and around Navi Mumbai area	Powergrid Corporation of India Limited (PGCIL)	LGH: 16 Ckm TL: 25 nos. FDN: 25 nos. TE: 25 nos. STG: 16 Ckm Underground Cable : 0.9/1.8 km	➤ Severe ROW issue is being faced in Newade village, Raigarh Dist., Maharashtra. Work was resumed in Nov'16 after land got dried up from flooded water in Oct'16 due to heavy rains. However, work was stopped by the villagers on account of non-clarity on the issue of Gram Devi land (Government land for the common usage of village). The modality for deposition of amount as compensation towards Gram Devi land needs to be decided by State Govt and villagers. After intervention of the DC, Raigad the work was planned to be started in Nov'16, but on 9.12.16, miscreants burnt approx. 840 meter (7x120 meter) of 400 kV Cable at Nevade Village, near Panvel. This has resulted in loss of ample time and public money to the tune of Rs 2 Crs approx.	➤ Police protection/ administrative support is requested to complete balance cable trench work. ➤ Downstream network is to be implemented by MSETCL

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13	BECL (Padva) - Botad 220kV D/C line		Aug'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: 188 Ckm TL: 292 nos. FDN: 169 nos. TE: 115 nos. STG: 0 Ckm	➤ Severe RoW problems in Botad area.	Action to be taken by GETCO.
14	Lara STPS – Champa pooling Station 400kV D/C line (Q)	Apr'17	Apr'17	This line is part of Lara STPP-I (2X800MW) and is required for evacuation of power from Lara STPS.	Powergrid Corporation of India Limited (PGCIL)	LGH: 224 Ckm TL: 306 nos. FDN: 296 nos. TE: 290 nos. STG: 198 Ckm	➤ Slow Progress. Works affected due to ROW constraints.	Action to be taken by PGCIL.
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 is required to meet the N-1 criteria for the project.	GETCO	LGH: 640 Ckm TL: 997 nos. FDN: 453 nos. TE: 275 nos. STG: 0 Ckm	➤ Progress has been affected due to severe RoW problem at 100 locations under package-1 and 50 locations under package-2, & 50 locations under package-3. The executive agency is Tata, L&T, KPTL. ➤ Forest clearance for 100Ha of forest area involving 50 locations is pending.	GETCO to take up with the concerned authorities to resolve the RoW issue and expedite the forest clearance.

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16	Sholapur STPP - Sholapur 400kV D/C line-II	Mar'17	May'17	This transmission line is part of ATS of Sholapur TPP (2x660 MW), out of two no. lines one has already been completed. This line is required to meet the N-1 criteria for the project.	Powergrid Corporation of India Limited (PGCIL)	LGH: 25 Ckm TL: 40 nos. FDN: 30 nos. TE: 29 nos. STG: 13 Ckm	Severe ROW faced in Implementation of this project. Presently construction work in nearly 10 Locs is hindered due to ROW problem for which application has been filed under section 16 for 8 locations. Order is awaited. One location is in Railway land and one location is to be completed under police protection.	PGCIL to take up with the concerned authorities to resolve the RoW issue.
17	LILO of Jamnagar – Jetpur 220kV D/C line-II at Sikka		Jun'17	This transmission line is part of ATS of Sikka TPP Extn, (2x250 MW),	GETCO	LGH: 120 Ckm TL: 189 nos. FDN: 171 nos. TE: 166 nos. STG: 56 Ckm	➤Case of 6 locations is pending in district court	GETCO to take up with the concerned authorities to resolve the 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	Nov'08	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: 297 Ckm TL: 438 nos. FDN: 159 nos. TE: 105 nos. STG: 29 Ckm	➤ ROW issues in Dist. Kollam, Pathanamthitta, Kottayam and Ernakulam.	Line corridor marking and enumeration of trees etc. is in progress by Revenue Department Package retendered and fresh award placed in March'17 for balance work.
2	Kanarapatty-Kayathar 400kV D/C line	Mar'15	Jun'17	Associated with Stage-1 Wind evacuation system of TNEB and delay causing congestion on 400/230kV Tirunelveli ICTs, Kayathar-Tirunelveli 230kV line, Udayathur-Tirunelveli 230kV line, Veerannam-Tirunelveli 230kV line etc.	Tamilnadu Transmission Corporation Ltd. (Tantransco)	LGH: 24 Ckm TL: 39 nos. FDN: 36 nos. TE: 33 nos. STG: 18 Ckm	Work held up due to ROW issue at locs no. 15/3,15/4 and 15/6.	Meeting held on 29.06.16 with DC/ Tuticorin. and it was decided to give compensation to land owners based on the rates fixed by Ag. Dept.

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3	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Jun'14	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. ➤ <i>Construction agency has demobilised from site due to continued idling arising out of ROW situations and therefore the package is now retendered for fresh award.</i>	Concerned DC's yet to issue orders for compensation based on MoP guidelines
4	Somnally-Dharmapuri (Salem) 400kV D/C line	Aug'14	Dec'17	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 323 nos. TE: 286 nos. STG: 171 Ckm	➤ Severe ROW issues at 12 locs(34 km) in Bangalore (Urban) District. ➤ 31km Survey work needs to be completed by District Revenue Dept.	➤ Police protection required at Loc: 123/0, as farmers demanding diversion of the line. DC (B'lore Urban) order for compensation for Loc: MC8 to 127E/0 is still awaited.

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5.a	Salem(Dharmapuri) – Madhugiri (Tumkur) 765kV S/C line	Sep'14	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: 540 nos. TE: 497 nos. STG: 79 Ckm	➤ Severe row issue at 12 locs (Fdn: 04 nos., TE: 08 nos.) and 90 ckm Stringing in Districts - Chikkaballapur [01 Fdn.] and Bangalore (Rural) - [3 Fdn; 04 Ern] ➤ At Loc: 37/0, the land owners are asking for diversion of the route. ➤ Land owners are frequently stopping the work for enhanced compensation.	➤ DC, (B'lore Rural) may provide dedicated revenue surveyors for expediting the work. ➤ Police protection needed for continuous progress of the work.
5.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'14	Jun'17	This transmission line is part of ATS of Mutiara (Melamaruthur) (Coastal Energen) TPP (2x600 MW).		LGH: 245 Ckm TL: 644 nos. FDN: 644 nos. TE: 638 nos. STG: 182 Ckm		

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6	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. ➤During meeting taken by Energy Minister on 17.11.2016 the farmers have agreed to compensation for 46m corridor as per MOP guidelines and agreed to withdraw the case filed in High court and district courts. ➤Revenue survey to quantify the compensation assessment is under progress.	Police protection is required for completion of line

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7.a	LILO of Chillakallu-Narketpally 220kV D/C line at Huzur nagar.		May'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: 22 Ckm	➤The progress of line delayed due to slow progress of associated S/s.	TSTRANSCO is required to expedite the construction of Huzur nagar S/s.
7.b	2X100 MVA, 220/132kV, Huzur nagar S/s.		May'17			LA: 100% CW: 90% ER: 90% EE: 90%		
8.a	Singareni – Nirmal 400kV D/C line		Jun'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	TSTRANSCO	LGH: 298 Ckm TL: nos. FDN: nos. TE: nos. STG: 174 Ckm	➤Delay in award of work:Work awarded to L&T/KEC in 9/2015 with completion period of 15 months	TSTRANSCO is required to expedite the construction of line
8.b	2X315 MVA, 400/220kV, Nirmal S/s.		Jun'17		TSTRANSCO	LA: 100% CW: 27% ER: 11% EE: 2%	➤Slow progress	TSTRANSCO is required to expedite the construction of SS

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9.a	Yermarus TPS - Bellary Pooling Station 400kV D/C line	Aug'17	Aug'17	Generating unit 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 and 2 nd unit is ready for commissioning. 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/JSW	LGH: 284 Ckm TL: 399 nos. FDN: 375 nos. TE: 329 nos. STG: 134 Ckm	➤RoW issue.	KPTCL may resolve the RoW issue involved to complete work within target.
9.b	Bellary (PS) – New Madhugiri (Tumkur) 400kV D/C line	Dec'16	Apr'17			LGH: 450 Ckm TL: 520 nos. FDN: 520 nos. TE: 520 nos. STG: 450 Ckm	➤RoW issue. ➤Work completed.	
9.c	400kV, Bellary switching station.		Apr'17			LA: 100% CW: 100% ER: 100% EE: 100%	➤testing under progress	
10	Nizamabad - Yeddumailaram (Shankarpalli) 400kV D/C line.	Jun'18	May'17	Enhances the import capability of southern region.	Powergrid Corporation of India Limited (PGCIL)	LGH: 277 Ckm TL: 364 nos. FDN: 357 nos. TE: 327 nos. STG: 162 Ckm	➤PTCC Clearance pending with CEA (PTCC). Facing Severe RoW Issue at Location no. 29/0, 29/1, 29/4 29/9, 35A/0, 40/0, 41/0, 48/0, 48B/0, 51/0 in Tehsil Kulcharam, Kandi, Sangareddy, Shankarpalli and District Medak, Sangareddy, Rangareddy	

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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)	Dec'12	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: 288 Ckm TL: 456 nos. FDN: 416 nos. TE: 324 nos. STG: 137 Ckm	Major portion of line is in forest. severe ROW in vicinity of Aizawl town due to stiff resistance from influential local owner. package re-awarded in Jun'16.	PGCIL to expedite work
2	Legship – New Melli 220 kV D/C line	Nov'16	May'17	Essential for synchronization and evacuation of power from Tashiding HEP	Powergrid Corporation of India Limited (PGCIL)/Govt of Sikkim	LGH: 20.6 Ckm TL: 35 nos. FDN: 13 nos. TE: 7 nos. STG: 0.146 Ckm	Work affected due to delay in finalization of land compensation for tower footing and crop compensation. NOC for 4 locn. held up due to objection by land owners. State Govt. being requested to provide assistance.	CEA had taken review meeting in NoV/Dec16 and suggested KEC/PGCIL to mobilize more erection gangs and PGCIL to take up matter with concerned DC for early assessment of compensation and clear the locs.

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3	Teesta III – Kishenganj 400 kV D/C & LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.		May'17	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: 501 nos. TE: 458 nos. STG: 248 Ckm (Loop in portion of LILO line upto Rangpo completed but LO portion work yet to be started.)	Slow progress by project authority as well as row issues affected 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.
4	Bongaigaon TPS – Rangia 220kV D/C line	Jan'13	Jun'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) has 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 one has been commissioned and balance two are scheduled to complete by May'17	AEGCL	LGH: 326 Ckm TL: 517 nos. FDN: 512 nos. TE: 510 nos. STG: 211 Ckm	➤ Severe RoW issue affected the progress of both lines.	Action to be taken by AEGCL

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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 would be 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 acquired by PGCIL.	PGCIL and Power Dept. Sikkim.
6	LILO of Ranganadi - Nirjuli 132kV S/C line at Pare HEP		May'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)	LGH: 3 Ckm TL: 10 nos. FDN: 10 nos. TE: 8 nos. STG: 1 Ckm	➤Compliance of compensatory afforestation condition etc. is pending at PGCIL. ➤8 towers of Ranganadi-Nirjuli line require shifting because of their submergence in the Pare HEP Dam.	Action to be taken by PGCIL.

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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: 922 nos. TE: 888 nos. STG: 485 Ckm	NIL	Efforts are being made to complete earlier.

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