

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

(As on 28.02.2018)

Government of India
Ministry Power
Central Electricity Authority
Power System Project Monitoring Division
New Delhi
Mrach'2018



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Contents

Sl. No.	Region	Page No.
1	Northern Region	2-8
2	Eastern Region	9-13
3	Western Region	14-19
4	Southern Region	20-26
5	North Eastern Region	27-31
6	Inter-Regional	32-32

Legends:

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

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Bareilly- Meerut 765kV D/C line.	Nov'13	-	Bareilly-Meerut 765kV S/C line has not commissioned yet. Early commissioning of this line will strengthen the system.	North Karanpura Transmission Co. Ltd. (NKTCL)	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 07.03.18
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: 121 Ckm TL: 181 nos. FDN: 94 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

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3	Phagi-Ajmer 400kV D/C line	Sep'12	Feb'18	<p>765kV Phagi/s has following connectivity:</p> <p>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</p> <p>The loading of 400kV Phagi-Bassi D/C is in the range of 900-950 MW each ckt. Early commissioning of 400kV Phagi-Ajmer D/C would relieve the loading of 400kV Phagi-Bassi D/C line. This line is part of ATS of Kalisindh TPP (2x600MW).</p>	Rajasthan Vidyut Prasaran Nigam Limited (RVPNL)	<p>LGH: 213 Ckm TL: 284 nos. FDN: 284 nos. TE: 284 nos. STG: 213 Ckm</p>	<p>➤ Progress affected due to contractual issue with M/s GET. ➤ Line work completed on 16.01.18 ➤ Bay at 400 kv GSS Ajmer not yet ready.</p>	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	Dec'17	Planned connectivity at 765kV Gr. Noida S/S is: (i) LIL of 765kV Agra-Meerut S/Cat 765/400 kV Gr. Noida - Commissioned (ii) 2x1500 MVA, 765/400kV Gr. Noida – ICT-I Commissioned in Apr'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 relieve 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>400kV Gr. Noida-Noida Sector -148 D/C line</u> LGH: 94 Ckm TL: 131 nos. FDN: 131 nos. TE: 131 nos. STG: 94 Ckm	ICT-II testing under progress. Commissioning is expected in Jan-2018. Line is completed but Substation Noida Sector - 148 of UPPTCL-Being constructed for NOIDA Authority under deposit scheme is not ready because of withdrawal of financial support by NOIDA for 400 kV side. Work is held up at 64% progress.	Alternate funding arrangement with Govt. equity & debt from institutional investors is being processed.
5	Dehradun – Abdullapur 400 kV D/C line	Jun'17 (Rev)	Mar'18	System Strengthening in NR (Enhancement of Uttarakhand connectivity)	Powergrid Corporation of India Limited (PGCIL)	LGH: 179 Ckm TL: 248 nos. FDN: 248 nos. TE: 247 nos. STG: 173 Ckm	➤ ROW/ tree cutting issue resolved. ➤ Completion being expedited through mobilization from other sources. .	.

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6	Dulhasti-Kishenpur 400 kV D/C line (115 Ckm)	Sep'17 (Rev)	Jan'18	Evacuation of power from hydro projects in J&K	Powergrid Corporation of India Limited (PGCIL)	LGH: 115 Ckm TL: 340 nos. FDN: 340 nos. TE: 340 nos. STG: 115 Ckm	➤Line commissioned in January 2018.	
7.a	Kishenganga – Amargarh 220 kV D/C Line	Jul'17	Feb'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: 150 nos. TE: 150 nos. STG: 85 Ckm		Line ready for commissioned in Feb'18. Commissioning matching with Generation project.
7.b	Kishenganga – Wagoora 220 kV D/C Line	Mar'18	Jun'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: 214 nos. TE: 124 nos. STG: 93 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 229 locn., State authorities help required to expedite PNC & compensation issues. Expected Completion by March.'18.
8	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: 1176 nos. TE: 1103 nos. STG: 346.07 Ckm	Work in progress.	There has been deficiency in tower material. The same is being addressed. Line completion is expected by June - 18.

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9	LILO of one ckt. of Kishanpur-New Wanpoh at Baglihar HEP 400kV D/C line.		-	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 has been 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
10	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 in expected by april-18.
11.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	Stage-1 approval accorded for forest clearance. Case processed for Stage-II with MOEF & CC Dehradun	Stage-1 Clearance accorded by MOEF Dehradun.
11 b	Lahal-Chamera 400kV D/C line	Oct'16	Dec'19	-Do-	HPPTCL	Work yet to start. Technical bid under evaluation and approval.	Forest case uploaded.	Forest case conditionally recommended for Stage-I. FRA Certificate Obtained. Matter of Construction of 2 No. 400 kV bays at Chamera

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								PS taken up with PGCIL as deposit work.
11.c	630 MVA, 400/220/33 kV GIS at Lahal	Oct'16	Apr'19	-Do-	HPPTCL	LA:100% CW:40% ER: 25% EE: 0%	Civil works under progress	
12.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: 346 nos. STG: 254 Ckm		Work under progress
12.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: 386.3 Ckm	➤ Slow progress ➤ PTCC :Pending with BSNL for details.	RVPNL expediting construction of Line.
12.c	2x315MVA 400/220 kV S/s at Babai.	Jan,13	Feb'18	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: 100% EE: 100%	➤ Slow progress by the firm	315 MVA, 400/220/33 kV ICT-I have been charged on no-load on dated 22.02.2018 and load taken on dated 26.02.2018.
13	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.

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14	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.
15	Orai – Aligarh 765 kV D/C Line	Apr'18	Mar'18	This would enhance the transfer capability & reliability to NR.	Powergrid Corporation of India	LGH: 664 Ckm TL: 906 nos. FDN: 906 nos.	NIL	Efforts being made to complete earlier by end FY 2017-18.
16	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: 34 nos. TE: 31 nos. STG: 17 Ckm	NIL	Efforts being made to complete earlier by end FY 2017-18.
17	Orai – Orai (Q) 400 kV D/C Line	Apr'18	Mar'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: 84 Ckm	Erection completed. Commissioning matching with substation.	

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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	Sep'17 (Rev)	Jun'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: 747 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.

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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: 769 nos. TE: 740 nos. STG: 372 Ckm	<ul style="list-style-type: none"> ➤ Gen. proj. in Srikakulam area delayed beyond 2017-18. ➤ Stringing affected due to ROW near Banepal, Rairhakhhol, Angul, Athmalbic, Kishorenagar areas in Odisha (18 fdn., 29 T.E. & 25 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.Matter is being perused at MoEF/State govt for forest issue.
3	New Nabi Nagar- Gaya 400 kV D/C 204 ckm	Dec'17	Feb'18	Evacuation of power from New Nabinagar TPP anticipated in 3 rd quarter of 2017-18	PGCIL	LGH: 184 Ckm TL: 245 nos. FDN: 245 nos. TE: 245 nos. STG: 184 Ckm	➤Erection completed.	Commissioning matching with Generation..

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4(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	<ul style="list-style-type: none"> ➤ 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 	<ul style="list-style-type: none"> ➤ 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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4(b)	North Karanpura – Gaya 400 kV D/C	Sep'19	Sep'19	do	Adani Transmission Ltd	Work yet to start	<ul style="list-style-type: none"> ➤ 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 	<ul style="list-style-type: none"> ➤ 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
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	Jun'18	do	BSPTCL	LGH: 214 Ckm TL: 403 nos. FDN: 399 nos. TE: 397 nos. STG: 198 Ckm	➤ Due to severe ROW at 4 locations work progress is slow	➤ BSPTCL has taken up matter with distt adm to resolve row issues.
6	Sagardighi – Gokarna 400kV D/C line	Jul'15	Marb'18	This line is part of ATS of generation project Sagardighi-TPP (2x300MW). Out of 2 lines, one line has been commissioned. This line is required to meet the N-1 criteria.	WBSETCL	LGH: 88.5 Ckm TL: 154 nos. FDN: 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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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: 568 nos. STG: 145 Ckm	Progress affected due to severe row issues and contractual issue with M/s Gaytri	WIP.
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.

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4(a)	Bableshwar-Kudus 400 kV D/C line	Mar'16	May'19	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: 587 nos. TE: 513 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- 1 I /2016- NGP/256 1 dtd 21.09.2017. ROW issue: A) Nashik Zone: 28 locs, cases filed at SDO Manchar, orders awaited. Foundation ROW (5 nos): 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,	MSETCL has carried out the survey according to committee report. Now, the NOC for diverted route from GMRT awaited.

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							<p>G272, G273, G288, G297/ 16, 306, 311, 314, 332, 343, 344). 01 no. filed on 20.01.2017 (Loc. 125) Orders awaited B) Vashi Zone: 42 locs cases filed at Collector, Thane on 08.03.2017. Foundation 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.</p>	

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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
4(b)	2x500MVA, 400/220 kV Kudus S/s and associated 220 kV downstream system	Mar 16	Mar'18	-Do-	MSETCL	LA: 100% CW: 85% ER: 100% EE: 95%	400/220kV, 500MVA ICT-I test charged on dtd 29-12-2017 and could not be commissioned as 220 kV downstream network of MSETCL is not available.	220 kV downstream system from Kudus S/s :LOA placed recently.
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

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7	Anta- Kota 400 kV D/C		Mar'18	Evacuation of power from Chhabra, Kawai, Kalisindh generation project.	RRVNL	LGH: 45 Ckm TL: 135 nos. FDN: 133 nos. TE: 132 nos. STG: 43.363 Ckm	<ul style="list-style-type: none"> ➤ 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. ➤ ROW problem at 1 locs. ➤ PTCC: approval pending. 	RVPNL expediting construction of Line.
8	Singrauli – Allahabad 400 kV S/C	Jun'16	Jun'18	Evacuation of power from Singrauli complex	PGCIL	LGH: 153 Ckm TL: 436 nos. FDN: 383 nos. TE: 345 nos. STG: 87 Ckm	<ul style="list-style-type: none"> ➤ ROW at Singrauli end ➤ Progress affected due to poor performance by executing agency. 	PGCIL to expedite construction work.
9	LILO of Lonikhand (MSETCL) – Kalwa (MSETCL) 400 kV line at Navi Mumbai	Dec'17 (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.

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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
10	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.	
11	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: 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
12	LILo of Jamnagar – Jetpur 220kV D/C line-II at Sikka		Mar'18	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: 99.56 Ckm	➤Severe RoW issue.	To be commissioned in Mar-18.
13	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: 87 nos. STG: 54 Ckm	Connection agreement submitted on 09.10.2017 which is yet to be signed.	PTCC approval received 11.01.2018

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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	<ul style="list-style-type: none"> ➤ 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: 303 nos. TE: 242 nos. STG: 70 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 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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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
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: 56 nos. STG: 61 Ckm	Erection completed. Testing under progress..	
3.	Both ckts of second LILO D/C portion of Simadhri-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: 28 Ckm TL: 39 nos. FDN: 39 nos. TE: 39 nos. STG: 28 Ckm	Erection completed. Testing under progress..	
4	Madhugiri (tumkur)-Yelhanka 400kV D/C line (Rev)	Mar'18	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: 107 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.

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5	Somnahally-Dharmapuri (Salem) 400kV D/C line	Dec'17 (Rev)	Jun'18	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 332 nos. TE: 307 nos. STG: 189 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.	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 Jun'18
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: 568 nos. TE: 560 nos. STG: 145 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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6.b	Salem pooling station – Madhugiri pooling station 765kV S/C line	Sep'14	Jun'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: 641 nos. STG: 204 Ckm	➤Balance works affected due to interruption by land owners & Karnataka Rajya Raita 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. DC, Bangalore (Rural) issue compensation order for 46 nos. of villages on 20.11.17 with this order for all villages issued. Work under progress.

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7	LILO of Neelmangla-Hoddy 400kV S/C line at Yelankha	Jun'12	Mar'18	System strengthening SR Grid and supply of power to Bangalore area.	Powergrid Corporation of India Limited (PGCIL)	LGH: 20 Ckm TL: 25 nos. FDN: 25 nos. TE: 25 nos. STG: 20 Ckm	<ul style="list-style-type: none"> ➤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. ➤Revised compensation order issued by DC Banglour On 16.10.17. Demand note received. Amount deposited. 	Erection work almost completed. CEA inspection done and charging clearance is awaited from CEA.

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8.a	LILO of Chillakallu-Narketpally 220kV D/C line at Huzur nagar.		Feb,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
8.b	2x100 MVA, 220/132kV, Huzur nagar S/s		Feb'18	Do	TSTRANSCO	S/s completed	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.
9.a	Singareni – Nirmal 400kV D/C line		Feb'18	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 : 289 Ckm TL : 407 nos. FDN :407 nos. TE : 407 Nos. STG : 289 Ckm	➤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	All foundations and Tower Erections completed and Stringing work is completed.

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9.b	2X315 MVA, 400/220kV, Nirmal S/s.		Mar'18		TSTRANSCO	LA: 100% CW: 98% ER: 98% EE: 96%	➤Slow progress ➤SS was 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.	Yermarus TPS - Bellary Pooling Station 400kV D/C line	Aug'17	Feb,18	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	LGH: 282 Ckm (Revised) TL: 392 nos. (Revised) FDN: 392 nos. TE: 392 nos. STG: 282 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 (Charged at 132 kV)	Feb'18 (Rev)	Mar'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: 443nos. TE: 408 nos. STG: 207 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 GIO Mizoram.	Tree cutting in forest area needs to be expedited by forest department.

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2(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: 590 nos. FDN: 568 nos. TE: 551 nos. STG: 345 Ckm	Progress of project got affected due to objection from ELIM church & 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.	Matter taken up with the respective State govt and a committee headed by District Commissioner, WB is working on resolution of these issues and the obstruction are being cleared one by one progressively. Govt. of Sikkim has provided support in demolition of a portion of ELIM church & removal of 42 nos. houses for maintaining safe electrical clearance. Compensation payments as per demand letter of DC, East Sikkim has been deposited by TVTL on 24.01.18.
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2(b)	LILO of Teesta-III – Kishenganj 400kV D/C line at Rangpo.	Feb'13	-	-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 Jan'18.	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 route of LOOP-Out portion finalized. Forest proposal already submitted on 04.11.17. Tree verification and CA scheme under finalization. Completion sch. Expected by Jun'20.
3	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 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: 219 Ckm	Overall 92% completed. A. All normal foundation completed. B. 5 nos. of Pile foundation completed.	Contractor's issue that has been attended very promptly & firmly

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4	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
5(a)	LILO of Ranganadi - Nirjuli 132kV S/C line at Pare HEP	Aug'12	Feb'18	This Line is required to evacuate power from Pare HEP (2x55MW),	Powergrid Corporation of India Limited (PGCIL) / NEEPCO	LGH: 3 Ckm TL: 10 nos. FDN: 10 nos. TE: 10 nos. STG: 3 Ckm Diversion :- LGH: 0.85Ckm TL: 2 nos. FDN: 2 no. TE: 2 nos. STG: 0.89 Ckm	Work of LILO line has been completed in Mar'17 except for jumpering work which is expected to be completed by Feb'18., However, 2 towers of Ranganadi-Nirjuli line required shifting because of their submergence in the Pare HEP Dam. Foundation & tower erection completed in Feb'18.	PGCIL to expedite the shifting of towers LILO line and re-alignment section charged on 2.3.18

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5(b)	LILO of Ranganadi - Itanagar 132kV S/C line at Pare HEP		Feb,18	This Line is required to evacuate power from Pare HEP (2x55MW),	DoP Ar.P/ NEEPCO	LGH: 5 Ckm TL: 12 nos. FDN: 12 nos. TE: 12 nos. STG: 5 Ckm	<ul style="list-style-type: none"> ➤ One tower of Ranganadi – Itanagar 132 Kv line of Ar. Pradesh Govt. was damaged in Dec 17 and rectification works is under progress and expected to complete by Feb,18. ➤ Terminal bays work for Ranganadi-Itanagar 132 Kv D/C line is under progress and expected to complete by Jan,18 	Construction of LILO completed except Jumpering work. Ranganadi-Itanagar 132 KV D/C line is being constructed by Department of Power (GoAP) and the line has been completed but terminal bays at Ranganadi and Itanagar are yet to be completed. Which is expected by 31.01.18. Further, tower at location no. 28 has been damaged due to flood. Rectification work is under progress which is expected to be completed by Feb, 2018.

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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
1	Jabalpur PS – Orai 765kV D/C line	Apr'18	Mar'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 commissioning but associated substation at Orai is expected to be completed by March 18.	Testing under progress. Commissioning matching with Substation.

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;