

Critical Transmission Projects in Western Region(WR)

Sr. No.	Transmission Corridor	Scheduled Commissioning Date	Actual/ Likely Commissioning Date	Transmission Constraint Caused	Executing Agency	Progress	Reason for delay and detail of issues	Action required/Remedial measures taken
1	Vadinar-Amreli 400 kV D/C line(balance)	Nov, 09	Mar'19	Associated with Salaya TPS for evacuation of power and its completion would relieve over loading of Hadala-Chorania S/C line. However, interim arrangement with completed portion of Amreli-Vadinar one ckt terminated at Jetpur and second ckt terminated at Hadala relieved loading of Chorania – Kasor.	Gujarat Energy Trans. Corp. Limited (GETCO)	LGH: 239 Ckm TL: 365 nos. FDN: 309 nos. TE: 267 nos. STG: 118.26 Ckm (117 ckm of line commissioned in Jan 14 through interim arrangement)	Progress affected due to contractual issue with M/s Jyoti and contract has been terminated and retendered with last date of submission of bid as 17.01.18.	GETCO may take necessary action
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: 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: 942 nos. TE: 933 nos. STG: 540 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	Jun'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: 558 nos. TE: 490 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). Orders awaited	MSETCL has carried out the survey according to committee report. Now, the NOC for diverted route from GMRT awaited.

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							<p>B) Vashi Zone: 42 locs cases filed at Collector, Thane on 08.03.2017.</p> <p>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)</p> <p>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.</p> <p>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>	
4(b)	2x500MVA, 400/220 kV Kudus S/s and associated 220 kV downstream system	Mar 16	Jun'18	-Do-	MSETCL	LA: 100% CW: 82% ER: 100% EE: 95%	400/220kV, 500MVA ICT-I test charged on dtd 29-12-2017 and could not be commissioned as 220 kV down stream network of MSETCL is not available.	220 kV downstream system from Kudus S/s :LOA placed for 2 lines and for remaining line will be placed shortly.
5	Akaltara TPS– Champa pooling station 400 kV	Jun'15	400 kV D/C line-2 (ckt 3&4) commd in	This would complete evacuation system for Akaltara TPS of KSK and resolve the loading NSPCL ICTs and further provide voltage stability at	KSK Mahanadi Ltd.	TLG 56 Ckm TL: 83 nos. FDN: 68 nos. TE: 54 nos.	Fund constraints No progress	1)Funding 2)Planning to match 4 th unit

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	2x D/C line		Oct 16 and D/C line-1 is anticipated by Jan'18	Champa S/s. 765 kV champa bus commissioned in May 15 and 400 kV champa bus in June 15.		STG: 12Ckm No progress		
6	Salora TPS - Dharamjaigarh 400 kV D/C line	Jul'12	Uncertain	This line would complete the evacuation system of Salora TPS by Vandana vidyut limited. In 40th SCM Meeting: M/s VVL was Not present. As informed by M/s BALCO, work on dedicated line has not yet started. WRLDC filed petition to CERC for disconnection.	Vandana Vidyut Ltd. (VVL)	LGH: 60 Ckm TL: 84 nos. FDN: 0 nos. TE: 0 nos. STG: 0 Ckm M/s VVL has not started line construction.	Project authority has also not been able to execute PPA yet. Target Commissioning date will be provided after approval/receipt of loan from lenders.	Project authority is yet to execute PPA
7	Anta- Kota 400 kV D/C		Jan'18	Evacuation of power from Chhabra, Kawai, Kalisindh generation project.	RRVPL	LGH: 45 Ckm TL: 135 nos. FDN: 122 nos. TE: 119 nos. STG: 35.702 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 2 locs. ➤ PTCC: approval pending. 	Forest: Permission to Work Received. Now, 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: 353 nos. TE: 302 nos. STG: 75 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.

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9	LILLO of Lonikhand (MSETCL) – Kalwa (MSETCL) 400 kV line at Navi Mumbai	Dec'17 (Rev)	Jun'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 Jun'18. However, commissioning linked to readiness of downstream system of MSETCL (Critical).	Police protection/administrative support is requested to complete balance work.
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.	Action to be taken by GETCO.
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.	GETCO to take up with the concerned authorities to resolve the RoW issue

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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: 76.77 Ckm	➤ Severe RoW issue.	GETCO to take up with the concerned authorities to resolve the RoW issue.
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	a) PTCC approval awaited b) Completion of interconnected bays at Vindhayachal being constructed by PGCIL to be matched with completion of line	

Critical Transmission Projects in Southern Region(SR)

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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: 445 nos. FDN: 263 nos. TE: 190 nos. STG: 52 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.
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	Jan'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: 59 Ckm	Work under progress.	

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3.	Both ckts of second LILO D/C portion of Simadhiri-Vijaywada 400 kV line at Vemagiri-I (AP) shall be LILOed at Vemagiri-II.	Jul'18	Jan'18	Removal of constraints in 400 kV bay extn at 400 kV Vemagiri substn	PGCIL	LGH: 56 Ckm TL: 45 nos. FDN: 39 nos. TE: 39 nos. STG: 27 Ckm	Work under progress.	
4	Madhugiri (tumkur)-Yelhanka 400kV D/C line	Mar'18 (Rev)	Sep'18	Constraints on Import of power from New grid to SR through Raichur-Sholapur 765kV D/C line.	Powergrid Corporation of India Limited (PGCIL)	LGH: 132 Ckm TL: 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.	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)	Mar'18	Congestion on S1-S2 Corridor	Powergrid Corporation of India Limited (PGCIL)	LGH: 244 Ckm TL: 335 nos. FDN: 329nos. TE: 296 nos. STG: 178 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 Mar'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: 556 nos. TE: 542 nos. STG: 135 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	Mar'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: 639 nos. STG: 192 Ckm	➤Balance works affected due to interruption by land owners & Karnataka Rajya Raitha in Devanahalli, Dodaballapur, Bangalore Rural & Chickballapur Districts	➤Revised compensation disbursed by DC, Banlalor (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.

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7	LILO of Neelmangla-Hoddy 400kV S/C line at Yelankha	Jun'12	Jan'18	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: 13 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. 	Police protection is being provided. Work under progress. Commissioning expected by Jan'18.

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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 and expected to be charged by Feb'18	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		Jan'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 : 288 Ckm TL : 407 nos. FDN :407 nos. TE : 406 nos. STG : 272 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	Stringing work is in progress
9.b	2X315 MVA, 400/220kV, Nirmal S/s.		Jan'18		TSTRANSCO	LA: 100% CW: 98% ER: 98% EE: 95%	➤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.

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10.a	Yermarus TPS - Bellary Pooling Station 400kV D/C line	Aug'17	Jan,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: 276 Ckm 387 spans completed, only 4 spans left.	➤ The line work will be completed by Jan-18. Last span stringing is pending due to Local ROW which is being resolved.	

