



ISO: 9001-2008

Monthly Progress report of Inter-Regional/Inter–State Transmission Schemes

(As on 31.05.2017)

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

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MONTHLY PROGRESS REPORT OF INTER-REGIONAL/INTER-STATE TRANSMISSION SCHEMES (TRANSMISSION LINES) AS ON 31/05/2017

Rs. in Crore

PART - I : पारेषण लाईनस TRANSMISSION LINES

क्रमांक Sl. No.	पारेषण लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.म अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (मार्च' 17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
1.0	MULTI REGIONAL SYSTEMS (IR Lines*)														
1.1	North East / Northern Western Interconnector -I Project	5103	Feb'09/ Nov'15	13762.8	12371.7	348.43	175.5	12547.2	6562	6307	6070	4498	Dec'17	Dec'17*	* except ATS for Lower Subansri HEP (Gen. Project sch. Uncertain).
1.1.1	Part-A : North East - Northern/ Western Interconnector -I	3697							4668	4668	4668	3697		Oct'15	
1.1.1.1	+/- 800KV HVDC Biswanath Chariyali - Agra Bi-pole line *	3506							4369	4369	4369	3506		Oct'15	Line completed & Commissioned in Oct'15
1.1.1.2	400KV Balipara - Biswanath Chariyali line	114							165	165	165	114		Sep'15	Line completed in Sep'15 & commissioned on 01.10.15.
1.1.1.3	LILO of Ranganadi - Balipara 400KV D/C line at Biswanath Chariyali (Pooling Point)	52							77	77	77	52		Oct'15	Line commissioned on 30.10.15.
1.1.1.4	132KV D/C Biswanath Chariyali - Biswanath Chariyali (AEGCL) line	25							57	57	57	25		Sep'15	Line completed in Sep'15 & commissioned on 01.10.15.
1.1.2	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP	723							985	983	978	702		Dec'17	Kameng HEP, ant. by Dec'17.
1.1.2.1	400KV D/C Kameng - Balipara line	114							150	148	143	93		Dec'17	ATS slowed-down to the extent possible to match Gen.
1.1.2.2	400KV D/C Balipara - Bongaigaon line (Quad)	609							835	835	835	609		Oct'14	Line ready for commissioing in Oct'14 & commissioned on 02.11.14.
1.1.3	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP	683							909	656	424	99		*	Generation Project sch. uncertain.
1.1.3.1	400KV D/C Lower Subhansiri - Biswanath Chariyali line -I	335							444	329	228	64		*	Works stand-still on a/c of local disturbance/ agitation against big dams. (Gen. sch. uncertain).
1.1.3.2	400KV D/C Lower Subhansiri - Biswanath Chariyali line -II	348							465	327	196	35		*	Works stand-still on a/c of local disturbance/ agitation against big dams. (Gen. sch. uncertain).
1.2	WR - NR HVDC Interconnector for IPP Projects in Chattisgarh	3135	Mar'12/ Mar'17	9291.03	7078.79	391.23	70.10	7148.89	4250	4250	4250	3135	Jun'17	Jun'17*	*Pole-II completion.
	PART-A: WR-NR Interconnector for IPP Projects in Chattisgarh														

MONTHLY PROGRESS REPORT OF INTER-REGIONAL/INTER-STATE TRANSMISSION SCHEMES (TRANSMISSION LINES) AS ON 31/05/2017

Rs. in Crore

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1.2.1	+/- 800KV HVDC Bipole between Champa Pooling Station - Kurukshetra line (with provision to upgrade HVDC terminal to 6000MW at later date) *	2574							3477	3477	3477	2574		Mar'17	Line alongwith Pole-I (1500 MW) commissioned in Mar'17. Pole-II expected by Jun'17.
	PART-B: Trans. System Strengthening in NR for IPP Proj. in Chittisgarh														
1.2.2	400KV D/C Kurukshetra - Jalandhar line (Quad) (one ckt vis 400/220KV Nakodar (PSTCL) S/Stn.)	531							728	728	728	531		Dec'15	Line commissioned in Dec'15.
1.2.3	LILO of Abdullapur - Sonapat 400KV D/C at Kurukshetra (Tripal)	30							45	45	45	30		Dec'15	Line commissioned in Dec'15.
1.3	Common System Associated with East Coast Energy Pvt. Ltd and NCC Power Projects Ltd. LTOA Gen. Proj. in Srikakulam area - Part - B	890	Mar'13/ Mar'17	2514.88	1865.05	240.1	13.30	1878.35	1197	1029	955	293	Dec'17	Dec'17	Associated Gen.Project delayed.
1.3.1	765KV D/C Angul - Jharsauguda line	590							790	694	624	145		Dec'17	ROW being faced near Angul end. Huge forest involvement (Working permission awaited).
1.3.2	765 KV D/C Jharsuguda - Dharamjaygarh line	300							407	335	331	148		Dec'17	Huge forest involvement. Forest clearance awaited. Critical
1.4	Trans. Syatem Strengthening in WR - NR Tran. Corridor for IPP's in Chaittisgarh	190	Jun'14	5151.37	1139.4	991	29.20	1168.6	265	264	261	114	Mar'18	Mar'18	
1.4.1	400KV D/C Kurukshetra - Jind line (Q)	190							265	264	261	114		Mar'18	
1.5	Inter-Regional System Strengthening Scheme in WR and NR (Part-B)	1584	Dec'14	6517.36	2779.4	939.5	203.90	2983.3	2162	2083	1978	992	Apr'18	Apr'18	
1.5.1	765KV D/C Jabalpur Pooling Stn. - Orai line *	721							969	968	954	597		Apr'18	Effort being made to complete earlier in FY 2017-18.
1.5.2	765KV D/C Orai - Aligarh line	662							906	860	792	258		Apr'18	Effort being made to complete earlier in FY 2017-18. Severe ROW problem near urban area.
1.5.3	400KV D/C Orai - Orai line (Q)	84							115	112	103	68		Apr'18	Effort being made to complete earlier in FY 2017-18.

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1.5.4	LILO of one ckt of Satna-Gwalior 765KV 2x S/C line at Orai *	73							104	104	104	69		Apr'18	Effort being made to complete earlier in FY 2017-18.
1.5.5	LILO of Agra - Meerut 765KV S/C at Aligarh	22							34	18	11			Apr'18	Effort being made to complete earlier in FY 2017-18.
1.5.6	LILO of Kanpur - Jhatikara 765KV S/C at Aligarh	22							34	21	14			Apr'18	Effort being made to complete earlier in FY 2017-18.
1.6	Wardha - Hyderabad 765 KV Links	1072	Jan'15	3662.02	2134.5	232	66.80	2201.3	1465	1465	1449	973	May'18	Jul'17	
1.6.1	765KV D/C Wardha - Nizamabad line *	577							786	786	786	577		Mar'17	Line commissioned in Mar'17.
1.6.2	765KV D/C Nizamabad - Hyderabad line	486							664	664	648	387		Jul'17	
1.6.3	400KV D/C Nizamabad - Dichpali line	9							15	15	15	9		Mar'17	Line commissioned in Mar'17.
1.7	GREEN ENERGY CORRIDORS:- Inter State Transmission Scheme (ISTS) - Part - A	278	Apr'15/ Mar'17	1479.3	525.1	362	26.70	551.8	403	378	306	111	Mar'18	Mar'18	
1.7.1	400KV D/C Ajmer (New) - Ajmer (RVPN) line (Q)	132							200	190	166	66		Mar'18	07 locs. under severe ROW problem. Matter already taken up with State admn.
1.7.2	400KV D/C Chittorgarh (NEW) - Chittorgarh (RVPN) line (Q)	98							136	136	99	45		Mar'18	
1.7.3	400KV D/C Tirunelveli PS-Tuticorin PS line-1 (Q)	24							33	23	20			Mar'18	Due to delay in Gen. Work has been slowed-down to match with Gen. (ant. by Mar'18).
1.7.4	400KV D/C Tirunelveli PS-Tuticorin PS line-2 (Q)	24							34	29	21			Mar'18	Due to delay in Gen. Work has been slowed-down to match with Gen. (ant. by Mar'18).
1.8	GREEN ENERGY CORRIDORS:- Inter State Transmission Scheme (ISTS) - Part - B	1069	Apr'15	3705.61	1564.4	925	89.0	1653.4	1477	1384	1186	369	Apr'18	Apr'18	
1.8.1	765KV D/C Banaskanta - Chittorgarh line *	604							841	759	606	48		Apr'18	Forest clearance awaited.

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1.8.2	765KV D/C Chittorgarh - Ajmer line	422							577	575	567	321		Mar'18	Efforts are being made to complete match with readiness of Ajmer-Ajmer & C'garh-C'garh line. 02 locs. under ROW & 01 loc. under sub judice.
1.8.3	400KV D/C Banaskanta - Sankhari line	43							59	50	13			Apr'18	
1.9	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN.	326	Mar'16	808.63	95.3	234	21.20	116.5	471	207	67		Jan'18	Jan'18	
1.9.1	400KV D/C Jagmeling - Alipurduar line (Q) (india Side) *	326							471	207	67			Jan'18	Forest clearance awaited. critical (proposal submitted).
1.10	HVDC Bipole link between Western Region (Raigarh, Chattisgarh) and southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigerh-Pugalur 6000 MW HVDC System	3676	May'16	14733.37	499.3	2600	0.00	499.3					Nov'19	Nov'19	
1.10.1	+/- 800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link *	3676												Nov'19	04 out of 10 Packages awarded.
1.11	Green Energy Corridore ISTS - Part -D	1244	May'16	3519.59	229.8	1100	19.10	248.9	739	555	9		May'19	May'19	
1.11.1	765KV D/C Ajmer (new) - Bikaner line	525							739	334				May'19	
1.11.2	765KV D/C Bikaner - Moga (PG) line	702							1018	221	9			May'19	
1.11.3	LILO of 01 ckt of 400KV Bhadla (RVPN) - Bikaner (RVPN) D/C line at Bikaner (NEW)	17							21					May'19	Award placed in Dec'16. Engg. & survey under progress.
2.0	<u>NORTHERN REGION</u>														
2.1	Northern Regional System Strengthening Scheme - XVI	288	July'10/ May'15/ Mar'17	757.94	614.92	15.83	1.30	616.22	419	419	419	288	Jun'17	Jun'17	
2.1.1	LILO of both ckt of Kishenpur - Wagoora 400KV D/C line at Wanpoh	9							20	20	20	9		Sep'13	Line commissioned in Sep'13

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2.1.2	400KV D/C Kishenpur - New Wanpoh line.	279							399	399	399	279		Jun'17	Erection completed. Testing under progress.
2.2	Northern Regional System Strengthening Scheme - XXIV	294	Nov'11/ Mar'17	882.13	702.52	26.26	2.0	704.52	587	585	572	262	Jun'17	Sep'17	
2.2.1	400KV D/C Dehradun-Abdullapur line (Q)	179							247	247	242	155		Sep'17	01 loc. in Saharanpur under severe ROW. Delay in tree cutting by forest deptt. in Uttrakhand affected stringing.
2.2.2	400KV D/C Dulhasti - Kishenpur line (Q) Single ckt strung.	115							340	338	330	107		Sep'17	Severe ROW at 02 locs. in Doda Distt. since beginning. State admn. help required to resolved ROW issue.
2.3	Strengthening Scheme in Northern Region	34	Oct'12	100.55	90.63	3.13	0.30	90.93	65	65	65	34	Oct'14	Sep'17	S/stn. extn balance, expected by Sep'17.
2.3.1	LILO of 220KV D/C Jullandhur-Hamirpur line at Hamirpur (PG)	34							65	65	65	34		Feb'15	Loop out charged in Dec.'13. Loop in charged in Feb'15 (19 Ckm)
2.4	Transmission System Associated with RAPP 7 & 8 - Part-A.	90	Mar'13	100.4	72.7	20.1	0.30	73	133	130	125	64	Mar'15	Aug'17	
2.4.1	400KV D/C RAPP - Kota line	90							133	130	125	64		Aug'17	Work slowed-down to the extent possible.
2.5	Northern Region System Strengthening Scheme -XXX	632	Feb'14/ Mar'17	539.82	377.2	29	1.10	378.3	1088	956	901	471	Feb'18	Feb'18	
2.5.1	400KV S/C Singrauli - Allahabad line (section of Singrauli-Allahabad line (50 Km) to be strung on existing 400KV D/C tower from Singrauli end)	153							436	304	260	58		Feb'18	Work under progress. ROW at Singrauli end.
2.5.2	400KV D/C Allahabad - Kanpur line	479							652	652	641	413		Oct'17	Severe ROW at both ends.
2.6	Northern Region System Strengthening Scheme -XXXII	532	Feb'14/ Mar'17	969.97	629	84.5	19.20	648.2	746	746	746	532	Feb'18	Feb'18	Sub station extn. ant. by Feb'18.
2.6.1	400KV D/C Panchkula - Patiala line (10 Km Multi-ckt towers in forest area near Panchkula)	131							183	183	183	131		Apr'16	Line commissioned in Apr'16.
2.6.2	400KV D/C Lucknow - Kanpur line	323							449	449	449	323		May'17	Line commissioned in May'17.
2.6.3	LILO of 400KV D/C Dadri - Malerkotla line at Kaithal	50							74	74	74	50		Mar'17	Line commissioned in Mar'17.

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2.6.4	LILO of 01 ckt of 400KV D/C RAPP - Kankroli line at Chittorgarh (RRVPNL). (15Km Multi-ckt & 3 Km D/C)	28							40	40	40	28		Oct'16	Line commissioned in Oct'16.
2.7	Transmission System associated with Tehri Pump Storage Plant (PSP)	15	Jan'15	871.62	112.1	300	3.10	115.2	46	30	27	1	Oct'17	Mar'18	Gen. Project anti. by Sep'19.
2.7.1	400KV S/C Tehri Gen. - Tehri Pooling Station (Q)	13							38	30	27	1		Mar'18	Work slowed-down to the extent possible to match generation..
2.7.2	Charging of Tehri Pooling - Meerut 765KV line	2							8					Mar'18	Work slowed-down to the extent possible to match generation..
2.8	Transmission System associated with Kishanganga HEP	312	Jan'15/ Mar'17	340.88	122.3	56.5	0.00	122.3	396	207	120	5	Mar'18	Mar'18	Kishanganga HEP now ant. by Nov'17.
2.8.1	220KV D/C Kishanganga - Amargarh line	84							148	112	75	5	Jul'17	Nov'17	Work affected due to disturbance in Kashmir since Jul'16 & slow process to resolve compensation issue. State/MoP help required. All efforts shall be made to complete line matching with Gen. (ant. by Nov'17). Critical
2.8.2	220KV D/C Kishanganga - Wagoora line	228							248	95	45		Mar'18	Mar'18	Work affected due to disturbance in Kashmir since Jul'16 & slow process to resolve compensation issue. State/MoP help required. Critical
2.9	Northern Region System Strengthening Scheme -XXXIV	171	Mar'15	148.76	82.3	26.25	3.90	86.2	272	256	251	131	Jul'17	Jul'17	
2.9.1	LILO of Agra - Bharatpur 220KV S/C line at Agra (PG)	109							173	157	152	69		Jul'17	Work under progress. Severe ROW problem in 6 Kms area near Agra end. State admn. help required.
2.9.2	LILO of Gladni - Hiranagar 220KV S/C line at Samba (PG)	28							50	50	50	28		Jun'16	Line commissioned in Jun'16.
2.9.3	LILO of 01 ckt of Parbati PS - Amritsar 400KV D/C line at Jalandhar (PG)	34							49	49	49	34		Feb'17	Line commissioned in Feb'17.
2.10	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)	133	Mar'15/ Mar'17	1394.52	1.9	615	8.60	10.5	113				Jun'19	Jun'19	

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Rs. in Crore

क्रमांक Sl. No.	पारेषण लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (मार्च '17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. मिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्ट्रब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
2.10.1	LILO of both ckt of Bawana - Mandola 400KV D/C line at Rajghat (Multi Ckt tower with twin/HTLS Cond.)	116							87					Jun'19	Award placed. Engg. in progress. Commissioning matching with S/stn. (S/S land hand-over in Dec'16).
2.10.2	LILO of one ckt of Bamnauli - Jattikalan 400KV D/C line at Dwarka-I (with twin/HTLS Cond.)	17							26					Sep'18	Award placed. Engg. in progress. Commissioning matching with S/stn. (S/stn. land handed-over in Aug'16).
2.11	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-B1)	108	May'15	780.33	8.2	374	0.00	8.2	112				Oct'18	Oct'18	Compln. Sch - 26 month from date of land acq. (land acquired in Aug'16).
2.11.1	LILO of both ckt of Bamnauli - Samaypur 400KV D/C line at Tughlakabad (with twin HTLS Cond.)	108							112					Oct'18	Award placed. Engg. in progress. Commissioning matching with S/stn. S/stn land acquired in Aug'16. Major portion in forest. Clearance required to start of work.
2.12	Transmission System Associated with RAPP 7 & 8 - Part - B.	360	Jul'15	307.18	111.1	129	6.40	117.5	495	460	408		Nov'17	Nov'17	Gen. project delayed.
2.12.1	400KV D/C Kota - Jaipur (South) line (part of RAPP-Jaipur (S) 400KV D/C line with one ckt LILO at Kota).	360							495	460	408			Nov'17	Forest clearance awaited. Work slow down to extent possible to match Generation.
2.13	Transmission System for Solar Power Park at Bhadla, Rajasthan.	432	Jul'16	1429.38	66	380	10.50	76.5	566	23			Jan'19	Jan'19	
2.13.1	765KV D/C Bhadla - Bikaner line	380							484	16				Jan'19	
2.13.2	400KV D/C Bhadla (PG) - Bhadla (RVPN) line	52							82	7				Jan'19	
2.14	Northern Region System Strengthening Scheme - XXXV	130	Aug'16	123.91	0.1	40	0.30	0.4	183	43			Aug'18	Aug'18	
2.14.1	400KV D/C Mohindergarh - Bhiwani line	130							183	43				Aug'18	Work under progress.
2.15	Establishment of 220/22KV GIS at UT Chandigarh along with 220KV D/C line from Chandigarh GIS to 400/220KV Panchkula (PG) Sub station.	52	Feb'17	322.3	0.2	10	0.00	0.2	72				Feb'19	Feb'19	
2.15.1	220KV D/C UT Chandigarh S/S - Panchkula (PG) S/S line (incl. 10 Kms underground cable).	52							72					Feb'19	Award placed in Mar'17. Engg. in progress.

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Rs. in Crore

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्ट्रुब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
2.16	System Strengthening Scheme in Northern Region - XXXVII	78	Mar'17	379.95	19.6	10	0.00	19.6	102				Dec'19	Dec'19	
2.16.1	LILO of both ckt of 400KV Dhauliganga - Bareilly (PG) line at Jauljivi	7							15					Dec'19	Award under progress.
2.16.2	Diversion of Dhauliganga-Bareilly 400KV D/C line (operated at 220KV) at Bareilly end from Bareilly (UP) to Bareilly (PG) line	17							22					Dec'19	Award under progress.
2.16.3	Disconnection of 220KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljive S/Stn. at 220KV level	54							65					Dec'19	Award under progress.
3.0	WESTERN REGION														
3.1	Western Region Strengthening Scheme - V	306	Dec'07/ Nov'12/ Jan'16/ Mar'17	738.48	640.99	0.12	0.10	641.09	369	347	323	236	Dec'17	Dec'17	
3.1.1	400KV Vapi (PG) - Kala - Kudus D/C line* (Multi-ckt locs. 109 nos. have been included in Navsari-Boisar line)	234							241	219	195	164		Dec'17	*Due to severe ROW issues at Navi-Mumbai end, Line was decided to be terminated at Kudus S/Stn. of MSETCL. Forest clearance (Stage-I) received in Aug'15. Permission to work obtained in Dec'15. Contingency arrangement to connect Vapi-Navi Mumbai with Navsari-Boisar line by passing ROW area, to from Vapi - Navsari line (24 Ckm) commissioned in Mar'13. 400KV D/C Vapi-Kala portion commissioned in Mar'14 (61 Ckm). Balance ant. to be completed by Dec'17. However Kudus s/stn. being implemented by MSETCL. Critical
3.1.2	220KV Vapi - Khadoli (UT of DNH) D/C line	56							103	103	103	56		Sep'10	Line commissioned in Sep'10.

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्ट्रुब सेटिंग Stubs Setting (no.)	टॉवर ईरैकशन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
3.1.3	LILO of Lonikhand (MSEB) - Kalwa (MSEB) 400KV S/C line at Navi Mumbai.	16							25	25	25	16		Dec'17	Balance portion (02 Kms) of line being executed using under ground cable. Work affected due to water logging. Severe ROW problem being encountered at Navi Mumbai end. Commissioning linked to availability of State down stream system at Navi Mumbai . Critical.
3.2	Transmission System Associated with Mundra Ultra Mega Power Proj.	3643	Oct'08/ Mar'16/ Mar'17	5071.94	4453.08	6.32	13.50	4466.58	4927	4916	4882	3449	Feb'18	Feb'18	
3.2.1	Part-A - Tr. System of Mundra (UMPP)														
3.2.1.1	400KV D/C Mundra - Limbdi line (Triple snowbird)	628							863	863	863	628		Feb'12	Line commissioned in Feb'12.
3.2.1.2	400KV D/C Mundra - Bachchau line (Triple snowbird)	198							285	285	285	198		Sep'11	Line commissioned in Sep'11.
3.2.1.3	400KV D/C Bachchau - Ranchodpura line (Triple snowbird)	566							755	755	755	566		Sep'11	Line commissioned in Sep'11.
3.2.1.4	400KV D/C Mundra - Jetpur line (Triple snowbird)	672							918	918	918	672		Dec'12	Part of line (314 Ckm) commissioned in Aug'12 & balance (358 Ckm) commissioned in Dec'12.
3.2.2	Part-B - Regional System Strengthening in WR for Mundra (UMPP)														
3.2.2.1	400KV D/C Gandhar - Navsari line	204							288	288	288	204		July'12	Line commissioned in July'12.
3.2.2.2	400KV D/C Navsari - Boisar line (Multi-ckt locs. 109 nos. with Vapi-Kudus line & 100 nos. with A'bad-Boisar line have been included in 400KV D/C Navsari-Boisar line).	373							567	567	567	373		Dec'16	Contingency arrangement to connect Navsari-Boisar with Vapi-Navi Mumbai line by by-passing forest area, to form Vapi - Navsari line (212 Ckm, up to common point) commissioned in Mar'13. Balance portion (161 Ckm) commissioned in Dec'16.

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3.2.2.3	400KV D/C Wardha - Aurangabad line (up-gradation 1200KV S/C)	700							961	950	916	506		Feb'18	Contract terminated 01 out of 02 packages due to unsatisfactory performance and fresh tender taken up. The package subsequently bifurcated into two part. Ist part awarded in Dec'14 and second part in Feb'15. The remaning 01 pkg. also terminated in Aug'15 due to poor performance. However contract was revived in Feb'16. Severe ROW being encountered.
3.2.2.4	400KV D/C Aurangabad (PG) - Aurangabad (MSETCL) line (Q) (59Km) and Shifting of 400KV Ankola -Aurangabad (MSETCL) to Aurangabad (PG) (Twin) line (51Km)	220							145	145	145	220		Apr'14	Ankola-Aurangabad line (PG) twin commissioned in Jan'14 (102 Ckm) Aurangabad-Aurangabad (Q) portion commissioned in Apr'14.
3.2.2.5	LILo of both Ckt of Kawas - Navsari 200KV D/C at Navsari	82							145	145	145	82		July'12	Linecommissioned in July'12.
3.3	Transmission System strengthening in Western part of WR for IPP Generation Projects in Chhatisgrh - part-D	1380	Nov'11 / Mar'16/ Mar'17	2619.56	2560.13	3.21	3.60	2563.73	1788	1786	1775	1294	Sep'17	Sep'17	
3.3.1	765KV D/C Wardha - Aurangabad line	690							928	928	928	690		July'14	Line commissioned in Jul'14
3.3.2	400KV D/C Aurangabad - Boisar line (Q) (Multi-ckt locs. 100 nos. have been included in Navsari-Boisar line).	690							860	858	847	604		Sep'17	Severe ROW problem being encountered in grape garden area being resolved progressively with support for State Govt.
3.4	System Strengthening in North/West part of WR for IPP Proj. in Chhattisgarh. Part - E	626	Dec'11/ Mar'15/ Mar'17	2228.71	1878.93	14.5	4.0	1882.93	856	847	829	545	Dec'17	Dec'17	
3.4.1	765KV D/C Aurangabad (PG) - Padghe (PG) line	570							773	764	746	489		Dec'17	Commissioning matching with down stream Kudus (MSETCL) S/S. MSETCL S/S critical.
3.4.2	400KV D/C Padghe (PG) - Padghe (Kudus) line (Q)	32							46	46	46	32		Dec'17	Line completed in Feb'17. Commissioning matching with A'bad-Padghe line & readiness of Kudus S/S of MSETCL.

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
3.4.3	400KV D/C Vadodra - Asoj line (Quad)	24							37	37	37	24		Mar'14	Line commissioned in Mar'14 (through contingency arrangement by passing Vadodara S/s.) & Regular operation done with Vadodra GIS on 31.05.15.
3.5	Transmission System Associated with Mauda Stage-II (2x660MW) Gen. Proj.	1075	Sep'13/ Mar'17	1656.15	1281.3	2.5	15.10	1296.4	1465	1464	1457	1036	May'17	Jun'17	
3.5.1	400KV D/C Mauda-II - Betul line (Q)	393							551	550	543	354		Jun'17	Severe ROW problem being faced in Maharastra area.
3.5.1	400KV D/C Betul - Khandwa line (Q)	338							435	435	435	338		Jun'17	Line completed. Commissioning matching with Mauda-II - Betul line.
3.5.1	400KV D/C Khandwa - Indore line	344							479	479	479	344		Dec'16	Line commissioned in Dec'16.
3.6	Transmission System Associated with KAKRAPAR APP - 3&4	311	Feb'14 / Mar'17	378.71	257.9	0.4	10.20	268.1	435	435	435	311	Apr'17	Apr'17	PROJECT COMPLETED.
3.6.1	400KV D/C Kakrapar APP - Navsari line	77							109	109	109	77		Apr'17	As contingency arrangement 01 ckt of Kakrapar-Navsari & Kakrapar-Vapi joined at Kakrapar S/Y and charged in May'17.
3.8.2	400KV D/C Kakrapar APP - Vapi line	234							326	326	326	234		Apr'17	As contingency arrangement 01 ckt of Kakrapar-Navsari & Kakrapar-Vapi joined at Kakrapar S/Y and charged in May'17.
3.7	Transmission System Associated with LARA STPS - I Gen. Proj. NTPC	260	Jun'14	400.47	260.1	18.48	5.10	265.2	356	356	356	255	Apr'17	Jun'17	Generation Project delayed.
3.7.1	400KV D/C Lara STPS - Raigarh (Kotra) line	36							50	50	50	36		Apr'16	Line commissioned in Apr.'16.
3.7.2	400KV D/C Lara STPS - Champa PS line (Q)	224							306	306	306	219		Jun'17	
3.8	Transmission System Associated for Solapur STPP (2x660MW) -Part-A	25	Mar'15	50.52	28.5	12	0.90	29.4	40	35	32	17	Mar'17	Jun'17	Generation Project delayed.
3.8.1	400KV D/C Solapur STPP - Solapur line -II (Q)	25							40	35	32	17		Jun'17	Severe ROW being faced in the line.
3.9	GREEN ENERGY CORRIDORS:- Inter State Transmission Scheme (ISTS) - Part - C	583	Jul'15	2247.37	263.2	550	53.80	317	760	342	126		Jul'18	Jul'18	

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3.9.1	765KV D/C Bhuj Pool - Banaskanta line	583							760	342	126			Jul'18	
4.10	Transmission System for Ultra mega Solar Park in Rewa District, Madhya Pradesh .	116	Jan'16/ Mar'17	305.04	84.8	0.2	17.80	102.6	169	152	138	56	Oct'17	Oct'17	
4.10.1	LILO of 400KV D/C Vindhyachal - Jabalpur line (Q) (IInd Ckt.) at Rewa Pooling Stration .	116							169	152	138	56		Oct'17	Completion matching with Gen. project (ant. by Oct'17).
4.11	Transmission System Strengthening associated with Mundra UMPP (Part-A)	45	Jan'16	244.19	71.9	50	0.00	71.9	72	70	40	4	Jul'18	Jul'18	
4.11.1	LILO of 400KV D/C both ckt of Mundra UMPP-Limbdi (Triple) at Bachau.	45							72	70	40	4		Jul'18	Severe ROW problem.
4.12	Transmission System Strengthening associated with Mundra UMPP (Part-B)	190	Jul'16	300.94	7.4	85	0.10	7.5	257	38	1		Dec'18	Dec'18	
4.12.1	400KV D/C Mundra UMPP - Bhuj Pool line (Triple Snowbird)	190							257	38	1			Dec'18	
4.0	<u>SOUTHERN REGION</u>														
4.1	Kundankulam - APP Trans. System (Balance lines)	286	May'05/ Jan'16/ Mar'17	2187.32	1939.45	30	0.00	1939.45	350	179	105	29	Sep'18	Sep'18	
4.1.1	Edamon (KSEB) - Muvattupuzha (PG) D/C (Quad) line	286							350	179	105	29		Sep'18	Severe ROW problem (long pending). Problem being addressed progressively as per latest Revised G.O. of 30.07.15 (compensation to be done on land value, to be finalised by concerned DC with the suport of State Govt.). Works under progress.
4.1.2	Kundankulam (NPC) - Tirunelveli(PG) D/C (Quad) line -I	144													Line commissioned in Apr'09.
4.1.3	Kundankulam (NPC) - Tirunelveli (PG) D/C (Quad) line -II	160													Line commissioned in Apr'09.
4.1.4	Tirunelveli (PG) - Udumalpet (PG) D/C line	524													Line commissioned in Nov'09.
4.1.5	Tirunelveli (PG) - Edamon (KSEB) Multi -Ckt line	322													Line commissioned in Jul'10.
4.1.6	Muvattupuzha (PG) - North Trichur (PG) D/C (Quad) line	180													Commissioned in Nov'11.

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Rs. in Crore

क्रमांक Sl. No.	पारेषण लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (मार्च' 17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
4.1.7	LILo of both ckt of Maduri (PG) - Trivendrum (PG) D/C line at Tirunelveli	212													Commissioned in Apr'08.
4.2	System Strengthening - XII of SR	20	Feb'10	232.34	237.39	0.2	0.10	237.49	25	25	25	10	Jun'12	Sep'17	* Critical due to continuing ROW problem.
4.2.1	LILo of Neelamangla - Hoddy 400KV S/C line at Yehlanka	20							25	25	25	10		Sep'17	During the meeting with DC on 08,09,16. Raitha Sangha Requested to discuss high compensation issue with energy minister. After support from State Govt., compensation survey by Revenue deptt. is in progress. DC order issued. Work yet to be resumed.
4.3	Common System Associated with Costal Energen Private Ltd and Ind-Barath Power Ltd. (LTOA) Gen. Proj. in Tuticorin area Part - B.	1096	Sep'11/ Feb'17	2702.65	2307.46	19.9	5.40	2312.86	1809	1809	1804	1034	Jun'17	Sep'17	
4.3.1	765KV D/C Tuticorin Pooling Station - Salem Pooling Station line (initialy charged at 400KV)	731							1000	1000	1000	731		Nov'16	Line commissioned in Nov'16.
4.3.2	400KV D/C Salem Pooling Station - Salem line (Quad)	120							165	165	165	120		Oct'16	Line commissioned in Oct'16.
4.3.3	765KV S/C Salem Pooling Station - Madhugiri Pooling Station line (initialy charged at 400KV)	245							644	644	639	183		Sep'17	Severe ROW in Karnataka. Obstruction are being removed progressively with the help of Police protection.
4.4	System Strengthening - XIII of SR Grid	550	Oct'11/ Nov'15/ Mar'17	639.46	481.42	8.3	0.40	481.82	750	703	673	418	Mar'18	Mar'18	
4.4.1	400KV D/C Gooty - Madhugiri line	418							572	572	572	418		Nov'15	Line commissioned in Nov'15.
4.4.2	400KV D/C Madhugiri - Yelhanka line (QUAD)	132							178	131	101			Mar'18	Severe ROW in Karnataka. Re-NIT done & Awadr for balance work under progress.
4.5	System Strengthening in SR - XIV	244	Dec'11/ Feb'15/ Mar'17	346.79	352.47	10.31	1.00	353.47	335	325	286	171	Dec'17	Dec'17	Critical due to continuing ROW problem.
4.5.1	400KV D/C Dharmapuri (Salem New) - Somanahalli line	244							335	325	286	171		Dec'17	Severe ROW problem faced in Karnataka. With the support of State Govt. ROW issues are being resolved.

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Rs. in Crore

क्रमांक Sl. No.	परिपथ लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (माघं 17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्ट्रब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रीगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
4.6	Sub station works associated with Hyderabad (Maheshwaram) Pooling Station	7	Mar'15	550.06	355.2	301	50.90	406.1	13	13	13	7	Mar'18	Dec'17	
4.6.1	LILO of Hyderabad - Kurnool 400KV S/C line at Maheshwaram Sub Station .	7							13	13	13	7		Dec'17	Testing under progress. Commissioning matching with S/stn.
4.7	Transmission System for Ultra mega Solar Park in Anantpur District, Andhara Pradesh - Part-A (Phase-I)	21	May'15/ Mar'17	312.94	202.4	23.1	4.70	207.1	32	32	32	21	May'17	Jun'17	Balance Statcom portion ant. by Jun'17.
4.7.1	LILO of 400KV S/C Kadapa (Cuddapah) - Kolar line at NP Kunta Pooling Station .	21							32	32	32	21		Apr'16	Line commissioned in Apr'16.
4.8	System Strengthening - XXIV in Southern Region	532	Jan'16	1455.47	216	400	8.50	224.5	751	474	360	51	Jul'18	Jul'18	
4.8.1	LILO of 765KV D/C Kurnool - Thiruvallam line at Cuddapah.	194							268	177	113	16		Jul'18	Work under progress.
4.8.2	400KV D/C Cuddapah - Hindupur line (Q)	338							483	297	247	35		Jul'18	Work under progress.
4.9	Connectivity for Kudankulam 3&4 with Inter-state Transmission system	132	Jan'16	162.11	73.9	40	19.30	93.2	188	187	168	60	May'18	May'18	
4.9.1	Extn. of 400KV D/C Kudankulam APP - Tirunveli line (Q)	132							188	187	168	60		May'18	Work under progress.
4.10	Transmission System for Ultra mega Solar Park in Anantpur District, Andhara Pradesh - Part-B (Phase-II)	35	Jan'16	99.09	30.4	40	1.30	31.7	55	23	23	16	Jul'18	Jul'18	
4.10.1	LILO-In of 400KV D/C Cuddapah - Hindupur line (Q) (both Ckts) at NP Kunta Sub Stration .	18							27	23	23	16		Oct'17	Commissioning matching with Gen. Proj. (expected by Oct'17).
4.10.2	LILO-Out of 400KV D/C Cuddapah - Hindupur line (Q) (both Ckts) at NP Kunta Sub Stration .	17							28					Jul'18	Award placed in Jan'16. Efforts being made to complete earlier ie by Mar'18.
4.11	Removal of Constraints in 400KV Bays Extn. at 400KV Vemagiri S/stn.	117	Jan'16	207.88	28.8	45	1.30	30.1	101	72	42		Jul'18	Jul'18	
4.11.1	Both ckts of one LILO D/C portion of Simhadri - Vijayawada 400KV line at Vemagiri-I (AP) shall be LILOed at Vemagiri-II (PG) - (D/C portion (1.8 Km) & Multi Ckt portion (13.2 Km).	61							56	43	31			Jul'18	Work under progress. Severe ROW problem issue being faced.

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Rs. in Crore

क्रमांक Sl. No.	परिचय लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (मार्च '17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमानित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्ट्रब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
4.11.2	Both ckts of IInd LILO D/C portion of Simhadri - Vijayawada 400KV line at Vimagiri-I (AP) shall be Looed in at Vimagiri-II (PG). There shall be no loop out. The open section of 400KV D/C line from Vemagiri-I (AP) shall be used for termination of 400KV Kota line.	56							45	29	11			Jul'18	Work under progress. Efforts being made to complete earlier ie by Mar'18.
4.12	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka (Ph.-I)	440	Apr'16	810.48	157.5	153.1	12.60	170.1	445	194	130		Dec'18	Dec'18	
4.12.1	400KV D/C Tumkur (Pavagada) Pool - Hiriyur line	218							300	194	130			Dec'18	
4.12.2	LILO of 400KV D/C Gooty - Tumkur (Vasantnarsapur) line at Tumkur Pool.	2							4	4				Dec'18	Work under progress.
4.12.3	LILO of 400KV D/C Bellary - Tumkur (Vasantnarsapur) line (Q) at Tumkur Pool (on multi ckt tower).	220							141	103	68			Dec'18	
4.13	NLC - Karaikal 230 KV D/C Line	190	Jul'16	102.79	4.8	30	0.40	5.2	316	91	58		Nov'17	Nov'17	
4.13.1	NLC - Karaikal 230 KV D/C Line (through LILO of the 230KV Neyveli-Bahour S/C line at Karaikal)	190							316	91	58			Nov'17	
4.14	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-II)	412	Oct'16	408.46	20.2	60	1.60	21.8	559	29			Jan'19	Jan'19	
4.14.1	400KV D/C Hiriyur - Mysore line	412							559	29				Jan'19	
4.15	HVDC Bipole link between Western Region (Raigarh, Chattisgarh) and southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III : Pugalur - Trichur 2000 MW VSC based HVDC System	366	Feb'17	5070.13		425	0		455				Apr'20	Apr'20	
4.15.1	320KV HVDC Pugalur - North Trichur (Kerala) line	364							455					Apr'20	Award under progress.
4.15.2	400KV D/C North Trichur - Cochin line at North Trichur HVDC Station (Q)	2							2					Apr'20	Award under progress.

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5.0	EASTERN REGION														
5.1	Transmission System for Development of Pooling Station in Northern region Part of West Bengal and Transfer of Power from BHUTAN to NR/WR.	190	Apr'10/ Mar'17	5135.01	3282.55	529	7.30	3289.85	272	262	248	105	Mar'18	Mar'18	Gen. project delayed (ant. in 2017 -18). Works slowed down to the extent feasible to match Generation.
5.1.1	LILO of Bishwanath Chariali - Agra HVDC line at New Pooling Station in Alipurduar for parallel operation of the HVDC stn.	44							64	64	64	44		Mar'17	Line charged alongwith Pole-III in Mar'17.
5.1.2	LILO of 400KV D/C Bongaigaon - Siliguri line (Pvt. Sector line) at New Pooling Station in Alipurduar	13							23	23	23	13		Mar'17	Line charged in Mar'17.
5.1.3	400KV D/C Punatsangchu-1 (Gen. Proj. in Bhutan) - Alipurduar line - India Portion.	128							178	168	154	43		Mar'18	Gen. expected beyond 2017-18. Work slowed-down to the extent possible to match Generation (Ph-II ant. by Mar'18).
5.1.4	LILO of 220KV D/C Birpara - Salakati line at New Pooling Station in Alipurduar	5							7	7	7	5		Mar'17	Line charged in Mar'17.
5.2	Eastern Region Strengthening Scheme - III	772	July'10/ Mar'16/ Mar'17	1731.1	1381.93	97.09	9.60	1391.53	1027	1027	1026	768	Dec'17	Dec'17	
5.2.1	400KV D/C Sasaram - Deltonganj line	392							523	523	522	388		Dec'17	Completion (matching with Daltanganj S/s) delayed due to non-availability of sub station land (land acquired in May'15). Construction of down stream 220KV line of state critical.
5.2.2	LILO of 400KV D/C Baripada - Mendhasal at Pandiabil (In place of 400KV D/C Mendhasal-Uttara line)	112							107	107	107	112		Jun'16	Line completed & commissioned in Jul'16.
5.2.3	LILO of 400KV D/C Kahalgaon - Biharshariff line (1st line) at Lakhisarai	64							88	88	88	64		Mar'14	Line commissioned in Mar'14
5.2.4	LILO of 400KV D/C Kahalgaon - Biharshariff line (2nd line) at Banka	56							80	80	80	56		Nov'12	Line commissioned in Nov'12.
5.2.5	LILO of 400KV S/C Meramundali - Jeypore line at Bolangir	42							63	63	63	42		Aug'12	Line commissioned in Aug'12.
5.2.6	LILO of 400KV S/C Rengali - Baripada line at Keonjhar	18							28	28	28	18		Jan'13	Line commissioned in Jan'13.

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5.2.7	LILo of 400KV D/C (one ckt) Baripada - Mendhasal line at Dubri (OPTCL)	32							48	48	48	32		Jul'15	Line ready for commissioning in Jul'15 & commissioned alongwith extn. of Dubri (OPTCL) S/s in Aug'15
5.2.8	LILo of 400KV D/C (both ckt) Jamshedpur - Rourkela line at Chaibasa	56							90	90	90	56		Nov'14	Line commissioned in Nov'14.
5.3	Split Bus Arrangement for avrious Sub Stations in Eastern Region	56	Mar'13 / Jan'16	146.73	115.67	3.36	2.80	118.47	97	92	91	50	Mar'16	Sep'17	
5.3.1	400KV D/C trans. Line for swapping of Purnea bay (1&2) with Sasaram bays (#3&4) at Biharshariff S/Stn.	10							17	17	17	10		Jul'16	Commissioned in Jul'16.
5.3.2	400KV D/C trans. Line for swapping of Kahalgaoon #1 bay with Sasaram # 1 bay at Biharshariff S/Stn.	20							38	38	38	20		Apr'15	Commissioned in Apr'15.
5.3.3	400KV D/C trans. Line for reconfiguration of Biharshariff Ckt III&IV from its present position to St.-II side of Kahalgaoon Sw. yd. of NTPC	26							42	37	36	20		Sep'17	Bay at NTPC awarded in May'16. Completion of bay by NTPC delayed.
5.4	Eastern Region Strengthening Scheme-V	934	Oct'13/ Mar'17	1891.41	1110.64	89	9.20	1119.84	1344	1287	1230	725	Sep'17	Sep'17	
5.4.1	400KV D/C Rajarhat - Purnea line (Triple Snowbird)	852							1219	1162	1105	643		Sep'17	Farakka - Gokarna portion of 400KV D/C Rajarhat - Purnea line (236 Ckm) including both LILo's at Farakka & Gokarna commissioned in Mar'17. Severe ROW problem at Rajarhat as well as in Jharkhand area. Processing of forest case in Jharkhand slow. Work in Rajarhat area at standstill due to severe ROW.
5.4.2	LILo of 400KV D/C Rajarhat - Purnea line at Farakka.	40							58	58	58	40		Mar'17	Line commissioned in Mar'17.
5.4.3	LILo of 400KV D/C Rajarhat - Purnea line at Gokarna.	34							51	51	51	34		Mar'17	Line commissioned in Mar'17.

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5.6.4	LILO of Subhashgram -Jeerat 400KV S/C line at Rajarhat	8							16	16	16	8		Sep'17	Work almost completed. Testing & commissioning delayed due to work held up due to severe ROW problem & protest by locals who are not allowing to entere in Rajarhat S/S.
5.5	Transmission System Associated with Darlipalli TPS	41	Jan'16	187.04	54.6	35	8.30	62.9	61	61	61	41	Jun'18	May'17	
5.5.1	765KV D/C Darlipalli TPS - Jharsuguda (Sundergarh) Pooling Stn. line	41							61	61	61	41		May'17	Line completed & charged. Awaiting readiness of bays at Darlipalli (NTPC) end for commissioning.
5.6	Eastern Region Strengthening Scheme-XV	199	Apr'16	454.11	28.5	165	1.20	29.7	291	106	87	4	Apr'18	Apr'18	
5.6.1	400KV D/C Farakka - Baharampur Line (Twin HTLS)	164							229	106	87	4		Apr'18	
5.6.2	LILO at 400KV S/C Farakka - Jeerat line at Sagardighi	30							52					Apr'18	Engg. & survry under progress.
5.6.3	LILO at 400KV S/C Sagardighi - Subhasgram line at Jeerat	2							5					Apr'18	Engg. & survry under progress.
5.6.4	Removal of the existing LILO of Farakka - Jeerat S/C line at Baharampur	3							5					Apr'18	Engg. & survry under progress.
5.7.1	Powergrid Works associated with Common Trans. System for Phase-II Gen. Proj. in Odisha.	136	Apr'16	844.64	44.8	185	6.90	51.7	200	99	85	22	Apr'19	Apr'19	
5.7.2	LILO of both Ckt of 400KV D/C Rourkela - Raigarh (2nd line) at Jharsaguda (Sundargarh) .	136							200	99	85	22		Apr'19	
5.8	Associated Transmission System for NABINAGAR -II TPS.	471	Apr'16	790.3	129.4	240	35.10	164.5	635	458	354	24	Jun'19	Jun'19	
5.8.1	400KV D/C Nabinagar-II - Gaya line (Q)	189							245	200	132	24		Dec'17	Efforts being made to complete earlier to matching with Unit-I.
5.8.2	400KV D/C Nabinagar-II -Patna line (Q)	282							390	258	222			Jun'19	
5.9	Eastern Region Strengthening Scheme-XVII (Part-B)	63	Feb'17	235.53		40.1	0.0						Jun'19	Jun'19	
5.9.1	Re-conductoring of Maithon RB - Maithon 400KV D/C line	63												Jun'19	Award under progress.
5.9.2	Bypassing arrangement of LILO of 400KV lines at Angul.													Jun'19	Award under progress.

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Rs. in Crore

क्रमांक Sl. No.	पारेषण लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (मार्च' 17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमानित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
6.0	NORTH EASTERN REGION														
6.1	Trans. System associated with Pallatana gas Based Power Project and Bongaigaon Thermal Power Station (BTPS)	1450	Feb'10 / Jan'16/ Mar'17	2932.88	2504.5	37.63	13.4	2517.9	2761	2707	2592	1253	Feb'18	Feb'18	
6.1.1	400KV D/C Bongaigaon TPS - Bongaigaon line	6							11	11	11	6		Dec'12	Line completed & ready for commissioning. Commissioning held up due to Gen. delayed.
6.1.2	400KV D/C Pallatana - Surajmaninagar line (charged at 132KV)	74							118	118	118	74		Jun'12	Line completed & test charged in Jun'12.
6.1.3	400KV D/C Silchar - Purba Kanchan Bari line (charged at 132KV)	254							373	373	373	254		Jul'15	Line commissioned in Jul'15
6.1.4	400KV D/C Silchar - Melriat (New) line (charged at 132KV)	287							454	419	334	155		Feb'18	Major portion of line in forest (60%). Severe ROW in vicinity of Aizwl town due to Influential local owner. Delay in tree cutting affecting site progress.
6.1.5	400KV D/C Silchar - Imphal (New) line (charged at 132KV)	334							479	479	479	334		Mar'15	Line commissioned in Mar'15. (charged at 132KV).
6.1.6	220KV D/C Mariani(New)-Mokikchung (PG)	97							163	163	163	97		Jul'15	Line commissioned in Jul'15
6.1.7	132KV Silchar - Badarpur (PG) Switching station Interconnecting 132KV D/C line	38							69	69	69	38		April'12	Line commissioned in April.'12.
6.1.8	132KV D/C Melriat (New) - Sihmui line	12							20	15	8			Feb'18	Package re-awarded in Jun'16. Down stream line at Shihumi needs to be awarded.
6.1.9	LILO of 132KV Aizwol (PG) - Zemabawk (Mizoram) at Melriat (PG)	10							17	14	13	3		Feb'18	Package re-awarded in Jun'16. 01 location in ROW.
6.1.10	132KV D/C Silchar - Srikona (AEGCL) line	2							7	7	7	2		Mar'12	Line commissioned in Mar'12.
6.1.11	132KV D/C Silchar - Halaikandi line	60							109	101	93	39		Dec'17	Part line commissioned (35Ckm) through contingency in Jun'12. Balance work re-awarded in Nov'16. Severe ROW problem in balance work.
6.1.12	132KV D/C Mokokchung(PG) - Mokokchung(Nagaland) line	3							11	11	11	3		Jul'15	Line commissioned in Jul'15
6.1.13	132KV S/C Pasighat - Roing line (on D/C)	104							347	347	347	104		Jun'17	Testing under progress.

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Rs. in Crore

क्रमांक Sl. No.	परिचय लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (मार्च '17 तक) Cumml Exp. till prev. Year Mar'17(Provisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमानित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
6.1.14	132KV S/C Roing - Tezu line (on D/C)	72							244	244	244	72		Sep'17	Line checking in progress. Down stream network not available. Affecting utilisation.
6.1.15	132KV S/C Tezu - Namsai line (on D/C)	95							332	329	315	70		Feb'18	Progress affected due to ROW problem & geographical condition. Tree cutting affecting in progress. Due to non- availability of downstream line, line shall not be utilized.
6.1.16	LILO of 400KV S/C Kaithalguri - Misa line at Mariani (New) (Charged at 220KV)	1							2	2	2	1		Mar'13	Line commissioned in Mar'13.
6.1.17	LILO of 132KV S/C Loktak - Imphal (Mizoram) line at Imphal (PG)	1							5	5	5	1		Mar'13	Line commissioned in Mar'13.
6.2	North Eastern Region Strengthening Scheme - IV	16	May'16		409.19	125	1.50	28.9					May'18	May'18	
6.2.1	Re-conductoring of Agartala GBPP-Agartala (State) 132KV D/C line with HTLS conductor.	16												May'18	Award placed in Nov'16. Engg. under progress.
6.3	North Eastern Region Strengthening Scheme - VII	1	Jul'16		90.7	0.1	0.00	6.5					Jul'18	Jul'18	
6.3.1	Re-conductoring of Imphal (PG) - Yurembam 132KV S/C line with HTLS conductor.	1												Jul'18	Award placed in Nov'16. Engg. under progress.

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्ट्रब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	TBCB Lines														
1	System Strengthening in Southern Region for Import of Power from Eastern Region								1265	1265	1265	958	Aug'16	Sep'16	
	765KV D/C Srikakulam PP -Vemagiri-II PS	668							877	877	877	668		Sep'16	Line completed & commissioned on 27.01.17.
	400KV D/C Khammam - Nagarjunsagar line	290							388	388	388	290		Dec'15	Line completed & commissioned in Dec'15.
2	Transmission System pertaining to IPPs of Nagapattinam/Cuddalore Area.								1118	1087	1054	480	Dec'15	Mar'18	
	765KV D/C Nagapattinam - Salem line	406							543	543	540	380		Oct'16	Line commissioned in Oct'16.
	765KV S/C Salem - Madhugiri line	219							575	544	514	100		Mar'18	Severe ROW problem being faced due to work progress extremely slow. 02 nos. locs. in wildlife to be cleared.
3	Associated Transmission System of Unchahar TPS.												Jun'16	Sep'16	
	400KV D/C Unchahar - Fatehpur Line	107							145	145	145	107		Sep'16	Line charged in Sep'16.
4	Northern Region Strengthening Scheme - XXXI (Part-A)								4	4	4	2	Jul'17	Jul'17	
	LILo of 400KV D/C Abdullapur - Karcham Wangtoo at Kala Amb.	2							4	4	4	2		Jul'17	Work completed. LILo shut down requested to OCC.
5	Transmission System Strengthening Associated with Vindhyachal -V								1008	652	229	7	Jun'18	Jun'18	
	765KV D/C Vindhyachal - Jabalpur line	748							1008	652	229	7		Jun'18	
6	Transmission System Associated with Gadarwada STPPS of NTPC (Part-A).								1376	1100	951	393	Nov'17	Nov'17	Contingency arrangement for Seoni-Bina at Gadarwada (31Ckm) commissioned.
	765KV D/C Gadarwara - Jabalpur Pool line	206							271	271	271	206		May'17	
	765KV D/C Gadarwara - Warora Pooling Stn. line	627							836	602	489	127		Nov'17	Severe ROW being faced. Forest proposal for Maharastra portion to
	LILo of 2xD/C 400KV Wardha - Parli line at Warora Pooling Stn. (Q)	194							269	227	191	60		Nov'17	
7	Transmission System Associated with Gadarwada STPPS of NTPC (Part-B).								1282	965	706	89	Jan'18	Jan'18	

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	765KV D/C Warora Pooling Stn. - Parli line	696							919	714	526	77		Jan'18	Severe ROW problem.
	765KV D/C Parli - Solapur line	236							311	223	157	12		Jan'18	Work under progress.
	400KV D/C Parli - Parli line (Q)	36							52	28	23			Jan'18	Severe ROW problem.
8	Beyond Vemagiri Transmission System								2563	1293	788	73	Apr'19	Apr'19	
	765KV D/C Vemagiri - Chilakaluripeta line	502							674	377	147			Apr'19	ROW being faced.
	765KV D/C Chilakaluripeta - Cuddapah line	610							763	471	385	73		Apr'19	
	400KV D/C Cuddapah - Madhugiri Trans. line (Q)	480							652	250	129			Apr'19	ROW being faced.
	400KV D/C Srikakulam - Garividi Trans. Line (Q)	290							394	195	127			Feb'19	
	400KV D/C Chilakaluripeta - Narasaraopeta Trans. Line (Q)	60							80					Apr'19	Foundation work commenced.
	Other Consultancy Project														
	Srinagar - Leh Tr. System	330							1108	789	589	116	Jan'17	Sep'17	
	220KV S/C Alusteng - Drass Line	114							422	222	122	7		Sep'17	
	220KV S/C Drass - Kargil Line	60							191	151	103	23		Sep'17	
	220KV S/C Kargil - Khalsti Line	94							293	231	207	51		Sep'17	
	220KV S/C Khalsti - Leh Line	62							202	185	157	35		Sep'17	
9	System strengthening for WR. M/s by Sterlite		Mar'11												
	765 KV S/C Jabalpur - Bhopal line													Jun'15	Line commissioned on 06/2015.
	765 KV S/C Bhopal - Indore line													Oct'14	Line commissioned on 10/2014.
	765 KV S/C Aurangabad - Dhule line													Oct'14	Line commissioned on 10/2014.
	765 KV S/C Dhule - Vadodara line													Oct'15	Line commissioned on 02/2015.
	400 KV D/C Bhopal - Bhopal (MPPTCL) Line (Q)													Jul'14	Line commissioned on 07/2014.
	400 kv D/C Dhule - Dhule (Msetcl) Line													Nov'14	Line commissioned on 11/2014.
10	System strengthening for WR and NR. M/s by Sterlite		Mar'11												
	765 KV D/C Dhramjaygarh - Jabalpur Line													Sep'15	Line commissioned on 09/2015.
	765 KV S/C Jabalpur - Bina Line													Jun'15.	Line commissioned on 06/2015.

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11	Scheme for enabling import of NER/ER surplus by NR. M/s By Sterlite		Mar'10												
	400 KV D/C Bongaigaon - Siliguri (Q)													Nov'14	Line commissioned on 11/2014.
	400 KV D/C Purnea - Biharsharif (Q)													Sep'13	Line commissioned on 09/2013.
12	Part ATS for RAPP U-7&8 in Rajasthan. M/s by Sterlite		Mar'14												
	400 kV D/C RAPP - Shujalpur Line	402							521	521	521	402			Line commissioned on 06/16. Line charged on 15/11/2016.
13	Eastern Region system Strengthening Scheme-VII. M/s by Sterlite		Dec'13												
	400 KV D/C Purulia PSP (WB) - Ranchi (PG)	223							301	301	301	223		Jan-17	Line commissioned on 01/2017.
	400 KV D/C Chaibasa - Kharagpur Line	323							426	426	426	323		Jun-16	Commissioned 06/16.
14	Northern Region System Strengthening Scheme-NRSS-XXIX. M/s by Sterlite		Nov'14												
	400 KV D/C Jullandhar - Samba Line	270							356	356	356	270		Jun'16	Commissioned 06/16.
	400 KV D/C Samba - Amargarh Line	562							760	716	615	340		Sep'17	a) RoW issue: Yes, at AP 34/0 in Village Gazipur Kullian, Tehsil R.S. Pura, District Jammu. b) PTCC Clearance pending. c) Force Forest Clearance proposal (58.43 Ha) for diverted route is pending for Cabinet approval. d) Work is hampering due to unrest in Kashmir
	LILO of Both Circuit of Uri - Wagoora 400 KV D/C Line at Amargarh	6							23	4			Oct-18	Sep'17	a) PTCC Clearance pending
15	Connectivity lines for Maheshwaram 765/400 KV S/S. M/s by Sterlite		Aug'15												
	400 KV D/C Maheshwaram - Mahboobnagar Line	196.4							255	247	238	138	Jun'18	Jun-17	a) RoW issue: Yes (Facing Severe RoW Issue at Location no. 5/3, 6/0, 7/0, 8/0, 9/0, 20/12, 40/0, 41/0, 42/0 and 43/0 in Tehsil Kandkoo, Midjil, Pedamandadi and District Rangareddy, Wanaparthi, Mehboob Nagar) b) PTCC Clearance pending.

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	400 KV D/C Nizamabad - Yeddumailaram Line	277.38							367	367	366	275	Jun'18	Jun-17	a) RoW issue: Yes (Facing Severe RoW Issue at Location no. 40/0 in Tehsil Kulcharam and Distt Sangareddy b) Power Line crossing Approval pending with TSTRANSCO between location No. 51/0 – 52/0
16	Common Transmission system for phase-II generation projects in Orissa and immediate evacuation system for OPGC project (Orissa). M/s by Sterlite		Apr'16												
	765 KV D/C Jharsuguda - Raipur (hexa) Line	608							778	536	386	92	Aug'19	Mar-18	a) RoW issue: Yes (Facing Severe RoW Issue in various Locations in District Durg, Baloda Bazar, Bhatapara, Janjgir, Champa Raigarh and Sundargarh) b) Forest/Wildlife clearance issue: Yes (Forest Clearance proposal (94.656 Ha) pending with Nodal Officer, Govt. of Odisha, Bhubaneswar for nonavailability of CA Land and Forest Clearance proposal (71.767 Ha) pending with Nodal Officer, Govt. of Chhattisgarh) c) PTCC Clearance pending.

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	400 KV D/C OPGC TPS - Jharsuguda (Triple) Line	102.5							152	142	127	45	Jul-17	Jul-17	a) RoW issue: Yes (Facing Severe RoW Issue in Location No. 22/2, 24/0, 52/0 in Tehsil Jharsuguda and Lakhanpur in District Jharsuguda) b) Forest/Wildlife clearance issue: Yes (Tree Cutting Permission is pending) c) PTCC Clearance pending d) Delay in getting railway Crossing Approval from DRM, Chakradharpur between location No. 28/0 – 29/0.
17	Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS. M/s by Sterlite		Jul'16										Sep-19	Mar-18	- Detailed Survey Completed - Land Acquired for one Substation (Prithala) and acquisition of other two lands are under Process. - Received Sec-164 Approval u/EA-2003 from CEA on 31st March 2017. - Construction of 400kV D/C Neemrana – Dhanonda Transmission line and 400kV D/C Aligarh - Prithla Transmission line has been started. - Online Proposal for Forest Clearance has been submitted on MoEF & CC Web portal
	400 kV D/C Aligarh-Prithala HTLS line														
	400 kV D/C Prithala-Kadarpur HTLS line														
	400 kV D/C Kadarpur-Sohna road HTLS line														
	LILO of Gurgaon – Manesar 400 kV D/C (Q) line at Sohna Road														
	400 kV D/C Neemrana(PG) – Dhanonda HTLS line														
18	Eastern Region System Strengthening Scheme-VI. M/s by Essel.		Dec'13												

MONTHLY PROGRESS REPORT OF INTER-REGIONAL/INTER-STATE TRANSMISSION SCHEMES (TRANSMISSION LINES) AS ON 31/05/2017

Rs. in Crore

क्रमांक Sl. No.	पारेषण लाईन का नाम Name of the Trans line	लंबाई (सीकेएम) Length (CKM)	भा.स./नि.मं अनुमोदन GoI / BoD Appl.	लागत (अनुमोदित) /प्रत्याशित Cost (Appd.) /Ant.	संचयी व्यय (माघं 17 तक) Cumml Exp. till prev. Year Mar'17(Pr ovisional)	चालु वर्ष का व्यय Current year Expen.		संचयी व्यय Cumml Exp. पिछले माह तक upto prev. month (Apr'17)	निर्माण की प्रगती Progress of Construction				संपूर्ति लक्ष्य Completion Tgt.		Remarks / Constraints & assistance required.
						अनुमानित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	400 kV D/C Muzaffarpur(PG)- Darbhanga line with triple snowbird conductor	125.6							178	178	178	125.6	Jul-16	Apr-17	Transmission Line successfully charged and presently in commercial operation
	LILO of Barh –Gorakhpur 400 kV 2xD/c line at Mothihari	151.36							210	210	206	138	Jul-16	Jun-17	a) RoW at Siwan & Gopalganj dist. is severely affecting the construction work:
19	Northern Region System Strengthening Scheme, NRSS-XXXI (Part-B).M/s by Essel.		May'14												
	400 kV D/C Kurukshetra-Malerkotla Line	278.4							377	377	377	278.4	Sep-16	Jan'17	Line commissioned in 01/2017
	400 kV D/C Malerkotla-Amritsar Line	299							413	413	413	299	Sep-16	Mar'17	Line commissioned in 03/2017
20	ATS for Tanda expansion TPS. M/s by Essel														SPV is yet to be acquired
	400 kV D/C Tanda - Sohwal Line	173													
	400 kV D/C Sohwal - Lucknow Line	176													
21	System strengthening in northern region (NRSS XXXVI) along with LILO of Sikar-Neemrana 400 kV D/C line at Babai(RVPNL). M/s by Essel		Aug'16											Dec-19	Transmission Line Route survey work is completed. - Detail survey of 400 kV D/C Babai-Bhiwani and Koteswar-Rishikesh Transmission Line is under progress. -Civil work at Babai Sub-station is in progress.
	400 kV D/C Rishikesh – Koteswar (twin) Line	83													
	LILO of one ckt of 400 kV D/c Sikar (PG) – Neemrana (PG) line at Babai	3													
	400 kV D/C Babai – Bhiwani (twin) Line	249													
22	Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link. M/s by Essel.		Jul'16											Nov-19	1) Transmission Line route alignment and detailed survey work is completed. 2) Designing work of 765 kV D/C Transmission Line is completed. 3) Land for Warangal Sub-station is identified and land documents are being collected from land owners.
	765 kV D/C Warora-Warangal (hexa) Line	666													

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Rs. in Crore

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	765 kV D/C Warangal – Hyderabad (hexa) Line	270													
	765 kV D/C Hyderabad – Kurnool (hexa) Line	370													
	765 kV D/C Warangal – Chilakaluripeta (hexa) Line	478													
	765 kV D/C Warangal – Warangal (hexa) Line	108													
23	Additional system strengthening for Sipat STPS. M/s Adani		Nov'15												
	765 KV D/C Sipat STPS - Bilaspur (Q) Line	24							73	62	48	10.5	Nov-18	Nov-17	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis.
	765 KV D/C Bilaspur - Rajnandgaon (hexa) line	322							423	407	368	195.5	Mar-19	Dec-17	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis b) Powerline Crossings: approval for crossing 2 nos of PGCIL lines in single span is awaited. c) Delay in availability for shutdown of 33KV & 11KV lines affecting stringing.
24	Additional system strengthening for Chhattisgarh (B). M/s by Adani		Nov'15												
	765 kV D/C Raipur - Rajnandgaon (hexa) Line	80							104	104	104	79.4	Nov-18	May-17	PTCC proposal submitted on 13.09.2016 and approval awaited.
	765 kV D/C Rajnandgaon - Warora (hexa) Line	532							689	526	417	168.3	Nov-18	Jul-18	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis b) Delay in availability for shutdown of 33KV & 11KV lines affecting stringing. C)Forest approval awaited.
25	System strengthening for IPPs in Chhattisgarh and other generation projects in western region. M/s by Adani		Nov'15												

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Rs. in Crore

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	400 kV D/C Gwalior-Morena (Q) line	96							145	142	133	64.8	May-18	Jul-17	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis b) NGT in the month of Oct'16 had directed that all the stone crushers and quarries be closed in Bilowa (District Gwalior), which in turn is affecting foundation works due to non-availability of coarse and fines aggregate. c) Delay in availability for shutdown of 33KV & 11KV lines affecting stringing.
	400 kV D/C Vindhyachal STPS - IV & V – Vindhyachal pool (Q) line	54							87	81	60	18.6	Jan-19	Dec-17	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis b) Delay in availability for shutdown of 33KV & 11KV lines affecting stringing.
	765 kV S/C Sasan UMPP – Vindhyachal Pooling Station (Q) line	6							22	21	6	0.1	Nov-18	Dec-17	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis b) Approval of Reliance Power on the RoW for the line terminating at Sasan Switchyard received on 10.08.2016
	765 kV S/C Raigarh (Kotra) – Champa (Pool) (Q) line	94							255	213	193	42.9	Nov-18	Dec-17	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis b) SDO, Janjgir-Champa has issued an order on 08.12.2016 notifying the
	765 kV S/C Champa (Pool) – Dharamjaygarh (Q) line	49							147	121	109	18	Nov-18	Dec-17	
	LILO of one ckt of Aurangabad – Padghe 765 kV D/C (hexa) line at Pune	128							178	65	32		Mar-19	Jul-18	a) RoW issue: Severe ROW being faced and taken up on case-to-case basis
26	Transmission System required for evacuation of power from Kudgi TPS (3x800 MW in Phase-I) of NTPC Limited. M/s by L&T infrastructure development project Limited.		Aug'13												

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Rs. in Crore

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	400 kV 2x2/C Kudgi TPS – Narendra line (I&II)													Jun'17	Ready for Commissioning on 27.03.2015 & Line 1 & 2 commissioned in Nov-15 & Jun-16 resp
	765 kV D/C Narendra (New) – Madhugiri line	758							867	867	867	758	DEC-15	JUN-16	Line Commissioned on 23.09.2016
	400 kV D/C Madhugiri – Bidadi line	186							256	256	256	186	DEC-15	JUN-16	Commissioned on 24th August 2016
27	Transmission System for Patran 400kV S/S. M/s by Techno Electric and Engineering Company Ltd.		Nov'13												
	1. LILO of both circuits of Patiala-Kaithal 400kV D/C at Patran (Triple snow Bird Conductor)	1							2	2	2	1	MAY-16	JUN-16	Commissioned 06/16.
28	Transmission System Associated with Krishnapattanam UMPP- Synchronous interconnection between SR and WR (Part-B). M/s by Raichur Solapur Transmission Company Limited.														
	765 kV S/C Raichur-Sholapur line-1	208										208			Line commissioned in 30.06.2014
29	Transmission system strengthening in Indian system for transfer of power from new HEP's in Butan. M/s by Kalpataru.		Jan'16												
	400 KV D/C Alipurduar (PG) – Siliguri (PG) line	232							326	82	11		Mar'19	Mar'19	Severe ROW issues being faced on every location demanding high compensations. (majorly of political nature). Work is being done after clearing locations upon rigorous negotiations with landowners.
	400 KV D/C Kishanganj (PG) – Darbhanga (DMTCL) line	418							542	287	97		Mar'19	Mar'19	
30	Transmission system associated with DGEN TPS (1200 MW) of Torrent Power Ltd. M/s by Instalaciones Inabensa		Mar'15											May'18	Project authority had not started construction activity as per execution plan. Matter was taken up with the project authority and notice served in August/Sept 2016 but project authority did not respond.

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Rs. in Crore

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	400 kV D/C DGEN TPS – Vadodara line														
	220 kV D/C Navsari - Bhesatan line														
31	System strengthening in NR for import of power from North Karanpura and other projects outside NR and system strengthening in WR for import of power from North Karanpura and other projects outside Western Region and also for projects within Western Region. M/s by Reliance.		May'10												SC on 12th August has disposed of the appeal and directed ATE to decide on the appeal. Next hearing in ATE is due on 19th July 2017. As the approval by Ministry of Power (MoP) u/s 68 of Electricity Act 2003 to the project have already expired, the Company has filed a letter on January 14, 2014 requesting extension of the same.
	400 kV D/C Sipat/Korba pooling station – Seoni line	334											NOV-13		Work is yet to start.
	400 kV D/C Lucknow – Bareilly line	220											NOV-13		Work is yet to start.
	400 kV D/C Agra – Gurgaon line	220											NOV-13		Work is yet to start.
	400 kV D/C Gurgaon – Gurgaon (PG) line	20											NOV-13		Work is yet to start.
32	Talcher-II Augmentation System. M/s by Reliance		Apr'10												SC on 12th August has disposed of the appeal and directed ATE to decide on the appeal. Next hearing in ATE is due on 19th July 2017
	400 kV D/C Talcher II – Rourkela (Q) line	161											OCT-12		Work is yet to start
	400 kV D/C Talcher II – Behrampur line	220											OCT-12		Work is yet to start
	400 kV D/C Behrampur – Gazuwaka line	290											OCT-12		Work is yet to start
33	Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC + (ERSS-XXIX). M/s by North Karanpura Transco Ltd		Jul'16												

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	400kV D/C North Karanpura – Gaya line (Q)	185							265	31			SEP-19		a) NOC for the route has not been received from Ministry of Coal/CCL
	400kV D/C North Karanpura – Chandwa (Jharkhand) Pooling Station line (Q)	63							112	4			Sep-17		CCL & CMPDI disallowed construction on BPC route; hence, work had to be stopped. NOC still awaited.
	LILO of both circuits of Ranchi – Maithon-RB 400kV D/c line at Dhanbad	2.4											May-19		
34	Connectivity system for Khargone TPP. M/s by Khargone														☐ Detailed Survey Completed. ☐ EPC Contract awarded for Transmission line and Substation. ☐ Land Acquisition is under process. ☐ Online Proposal for Forest Clearance has been submitted on MoEF & CC Web portal ☐ Construction of 765kV D/C Khandwa Pool – Indore and Khandwa Pool – Dhule Transmission Line has been started.
	LILO of one ckt of Khandwa - Rajgarh 400kV D/C line at Khargone TPP														
	400 kV D/C Khargone TPP Switchyard – Khandwa pool (Quad) line														
	765kV D/C Khandwa Pool – Indore line														
	765 kV D/C Khandwa Pool – Dhule line														
35	Arunachal Pradesh . M/s by Dinchang.														Yet to award / Bidding Under Process

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						अनुमनित बजट (17- 18) B.E. (17-18)	Actual upto prev. month (Apr'17)		लोकेशन Locs. (no.)	स्टब सेटिंग Stubs Setting (no.)	टॉवर ईरैक्शन Tower Erect. (no.)	स्ट्रींगिंग Strng. (ckm)	Latest Approved Schedule	प्रत्या./ वास्त. Ant./ Act.	
	400 kV D/c Dinchang - Rangia / Rowta Pooling Point (Quad)														
	LILO of both ckts of Balipara-Bongaigaon 400kV D/C (Twin Moose) line at Rangia / Rowta														
36	NER System Strengthening Scheme II . M/s by NER II Transmission Limited + NERSS-V														Name of the successful Bidder: M/s Sterlite Grid 4 Limited
	400 kV D/C Surajmaninagar - P. K. Bari line														
	132 kV D/C AGTPP (NEEPCO) – P.K. Bari (TSECL) line														
37	765 kV System Strengthening Scheme in Eastern Region. ERSS-XVIII. M/s.by Medinipur-Jeerat Transmission Limited														
	765kV D/c Medinipur - Jeerat (New) Hexa line													Jul-20	Award placed on 31.03.2017
	LILO of Jeerat (WB) – Subhasgram (PG) 400 kV S/c section at Rajarhat (PG)													Jul-20	Award placed on 31.03.2017
	765kV D/c Ranchi (New) – Medinipur Hexa line													Jul-20	Award placed on 31.03.2017
	400kV D/c Medinipur – Haldia New (NIZ) (WBSETCL) line														
	LILO of both circuits of Chandithala – Kharagpur 400 kV D/c line at Medinipur													Jul-20	Award placed on 31.03.2017
	400 kV D/c Jeerat (New) – Jeerat (WB) line													Jul-20	Award placed on 31.03.2017
	400 kV D/c Jeerat (New) – Subhasgram line													Jul-20	Award placed on 31.03.2017
38	North Eastern Region Strengthening Scheme (NERSS-VI). M/s by Kohima-Mairani Transmission Limited														Yet to award / Bidding Under Process
	400 kV D/C Imphal-New Kohima line														
	400 kV D/c 3. New Kohima -New Mariani line														

MONTHLY PROGRESS REPORT OF INTER-REGIONAL/INTER-STATE TRANSMISSION SCHEMES (SUBSTATIONS) AS ON 31/05/2017

PART - II : सब स्टेशन SUBSTATION

क्रमांक Sl. No.	सब स्टेशन का नाम Name of the Sub -Station	एम.वी.ए अनुपात MVA Ratio	भा.स./नि.म अनुमोदन GoI / BoD Approval	इरेक्शन ठेकेदार Erection Contractor	जमीन की स्थिति Status of land	निर्माण की स्थिति Status of Construction			ट्रांसफार्मर Transformer		संपूर्ति लक्ष्य Completion Tgt.		Remarks
						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविक Ant. / Act	
1	MULTI REGIONAL SYSTEMS												
1.1	North East / Northern Western Interconnector -I Project		Feb'09/ Nov'15								Dec'17	Dec'17	
1.1.1	Part-A : North East - Northern/ Western Interconnector -I										Aug'13	Sep'16	Lower Subansiri bay shall be commissioned matching with completion of Lower Subansiri - BNC lines. Work of this line is standstill since Dec.'11. Completion uncertain.
1.1.1.1	400/132KV Biswanath Chariyali Pooling Station	2x200		ABB	Acquired	Compltd	Compltd	Compltd	2	2	Aug'13	Jan'16	Sub station along with ICT-II commissioned in Oct'15 & ICT -I in Jan'16.
1.1.1.2	HVDC Rectifire Module at Biswanath Chariyali (3000MW)			JV of ABB & BHEL	Acquired	Compltd	Compltd	Compltd	2	2	Aug'13	Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
1.1.1.3	HVDC Rectifire Module at Agra (3000MW)			JV of ABB & BHEL	Acquired	Compltd	Compltd	Compltd	2	2	Aug'13	Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
1.1.1.4	Aug. of 400KV Agra S/Stn.	4x105		ABB	Available	Compltd	Compltd	Compltd	1	1	Aug'13	Jan'16	Commissioned in Jan'16.
1.1.1.5	Extn. of 400KV Balipara S/Stn.			ICSA	Available	Compltd	Compltd	Compltd			Aug'13	Sep'15	Bay test charged in Sep'15.
1.1.1.6	Extn. of 132KV Biswanath Chariyali S/Stn.			ABB	Available	Compltd	Compltd	Compltd			Aug'13	Sep'15	Bay test charged in Sep'15.
1.1.2	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP										Feb'13	Dec'17	Completion matching with Gen. Proj.
1.1.2.1	2nd ICT of 400/220KV Misa S/Stn.	1x315		ICSA	Available	Compltd	Compltd	Compltd	Compltd	Compltd	Feb'13	Jun'12	Commissioned in Jun'12.
1.1.2.2	Extn. of 400KV Balipara S/Stn.			ICSA	Available	Compltd	Compltd	Compltd			Feb'13	Dec'17	Bongaigaon bay commissioned in Oct'14. Balance by Dec'17 matching with Kameng-Balipara line.
1.1.2.3	Extn. of 400KV Bongaigaon S/Stn.			ICSA	Available	Compltd	Compltd	Compltd			Feb'13	Oct'14	Commissioned
1.1.3	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP										Feb'13	*	* Completion uncertain.
1.1.3.1	Extn. 400KV at Biswanath Chariyali Pooling stn.			ABB	Available	15%					Feb'13	*	Completion matching with line (Line work almost stalled due to agitation against big dam uncertain sch. of Gen.).
1.2	WR - NR HVDC Interconnector for IPP Projects in Chattisgarh		Mar'12/ Mar'17								Jun'17	Jun'17	
	PART-A: WR-NR Interconnector for IPP Projects in Chattisgarh												
1.2.1	HVDC Rectifier Module of 3000MW capacity at Champa			Alstom		97%	98%	93%	1	1		Jun'17	Pole-I commissioned in Mar'17 & Pole-II expected by Jun'17. Balance work under progress.
1.2.2	HVDC Rectifier Module of 3000MW capacity at Kurukshetra			Alstom		97%	98%	93%	1	1		Jun'17	Pole-I commissioned in Mar'17 & Pole-II expected by Jun'17. Balance work under progress.

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1.2.3	400/220KV Kurukshetra S/Stn. (GIS)	2x500		Alstom		Compltd	Compltd	Compltd	2	2		Mar'17	ICT's commissioned in Mar'17
	PART-B: Trans. System Strengthening in NR for IPP Proj. in Chittisgarh												
1.2.5	Extn. 400/220KV Jallandhar S/stn.			KPTL	Available	Compltd	Compltd	Compltd				Dec'15	Commissioned in Dec'15.
1.2.6	Extn. 400/220KV Nakodar (PSTCL) S/stn.			KPTL	Available	Compltd	Compltd	Compltd				Dec'15	Commissioned in Dec'15.
1.3	Common System Associated with East Coast Energy Pvt. Ltd and NCC Power Projects Ltd. LTOA Gen. Proj. in Srikakulam area-Part-B		Mar'13/ Mar'17								Dec'17	Dec'17	
1.3.1	Extn. of 765/400KV Angul S/stn.			Techno	Available	95%	93%	89%				Dec'17	Supply, civil works & erection under progress. Completion matching with line.
1.3.2	Extn. of 765/400KV Jharsuguda S/stn.			Techno	Available	95%	94%	89%				Dec'17	Supply, civil works & erection under progress. Completion matching with line.
1.3.3	Extn. of 765/400KV Dharamjaigarh S/s.			Techno	Available	99%	96%	96%				Dec'17	Supply, civil works & erection under progress. Completion matching with line.
1.4	Common System Associated with East Coast Energy Pvt. Ltd and NCC Power Proj. Ltd. LTOA Gen. Proj. in Srikakulam area - Part-C		Mar'13/ Mar'17								Dec'17	Dec'17	
1.4.1	765/400KV Srikakulam Pooling Station	2x1500		765KV GIS - Hyosung / Techno	Available	98%	98%	96%	2	2		Dec'17	765KV Bay commissioned in Jan'17 matching with associated line. Completion delayed due to down-stream not ready, matching with Srikakulam - Garividi line (under TBCB).
1.4.2	Extn. of 765/400KV Angul S/stn.			Techno	Available	100%	100%	100%				Jan'17	Commissioned in Jan'17.
1.5	Trans. Syatem Strengthening in WR - NR Transmission Corridor for IPP's in Chaittisgarh		Jun'14								Mar'18	Mar'18	
1.5.1	Upgradation of +/- 800KV HVDC Converter stn. 3000MW to 6000MW at Champa Stn.	3000			Available	45%	40%					Mar'18	Award placed in Jul'14. Engg., supply & civil work under progress.
1.5.2	Upgradation of +/- 800KV HVDC Converter stn. 3000MW to 6000MW at Kurukshetra Stn.	3000			Available	42%	36%					Mar'18	Award placed in Jul'14. Engg., supply & civil work under progress.
1.5.3	Extn. At 400/220KV Kurukshetra S/stn.				Available	35%	20%					Mar'18	
1.5.4	Extn. At 400/220KV Jind S/stn.			Alstom	Available	50%	50%	30%				Mar'18	
1.6	Inter-Regional System Strengthening Scheme in WR and NR (Part-B)		Dec'14								Apr'18	Apr'18	Efforts are being made to complete earlier ie by Mar'18.
1.6.1	765/400KV Orai Sub station	2x1000		NHVS/ KEC	Acquired	60%	40%	15%				Apr'18	Engg., supply, civil work & erection under progress.

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1.6.2	765/400KV Aligarh Switching Stn. (GIS)			Hysoung	Acquired	60%	35%	15%				Apr'18	Engg., supply, civil work & erection under progress.
1.6.3	Extn at 765/400KV at Jabalpur PS				Available	80%	75%	30%				Apr'18	Engg., supply, civil work & erection under progress.
1.6.4	Extn at 765/400KV at Jhatikara & Gwalior S/stn.			Alstom	Available	65%	60%	55%				Apr'18	Extn. at Gwalior commissioned in Mar'17. Balance works under progress.
1.6.5	Extn at 400KV at Orai (UPPTCL) S/stn.			NHVS/ KEC	Available							Apr'18	Award placed in Oct'15. Engg. in progress.
1.7	Wardha - Hyderabad 765 KV Links		Feb'15								May'18	Jul'17	
1.7.1	765/400KV Nizamabad Sub station	2x1500		Hysoung	Acquired	Compltd	Compltd	Compltd	2	2		Apr'17	Sub station alongwith ICT-I commissioned in Mar'17. ICT-II commissioned in Apr'17.
1.7.2	Extn. at 765/400KV Hyderabad S/stn.				Available	94%	96%	80%				Jul'17	Engg., civil work, supply & erection under progress. Efforts being made to complete earlier.
1.7.3	Extn. at 765/400KV Wardha S/stn.				Available	Compltd	Compltd	Compltd				Mar'17	Commisioned in Mar'17.
1.7.4	Extn. at 400KV Dichpally S/stn. (APTRANSCO)				Available	Compltd	Compltd	Compltd				Mar'17	Commisioned in Mar'17.
1.8	GREEN ENERGY CORRIDORS:- Inter State Transmission Scheme (ISTS) - Part - A		Apr'15/ Mar'17								Mar'18	Mar'18	
1.8.1	765/400KV Chittorgarh Sub station	2x1500		Techno	Acquired	74%	78%	60%	2			Mar'18	Civil work, supply & erection under progress.
1.8.2	765/400KV Ajmer Sub station	2x1500		Techno	Acquired	78%	75%	65%	2	1		Mar'18	Civil work, supply & erection under progress.
1.8.3	400/230KV Tirunelveli Pooling station (GIS)	2x500			Acquired	97%	60%	55%				Mar'18	Work under progress. To be match with Gen.
1.8.4	Extn. of 400/230KV Tuticorin Pooling station				Available	100%	95%	90%				Mar'18	Work under progress. To be match with Gen.
1.8.5	Extn. of 400/220KV Chittorgarh (RVPN) & Ajmer (RVPN) S/stn. (Deposit work)			Techno	Available	80%	75%	55%				Mar'18	Work under progress in Ajmer bay & Chittorgarh is ready.
1.9	GREEN ENERGY CORRIDORS:- Inter State Transmission Scheme (ISTS) - Part - B		Apr'15								Apr'18	Apr'18	
1.9.1	765/400KV Banaskanta Sub station	2x1500 & 2x500		BHEL	Acquired	65%	55%	25%				Apr'18	Engg., civil work, supply & erection under progress.
1.9.2	Extn. of 765/400KV Chittorgarh S/stn.	-		BHEL	Available	60%	56%	45%				Apr'18	Civil work, supply & erection under progress. Completion matching with associated line.
1.9.3	Extn. of 765/400KV Ajmer S/stn.	-		BHEL	Available	72%	54%	40%				Apr'18	Civil work, supply & erection under progress. Completion matching with associated line.

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1.9.4	Extn. of 400/220KV Sankhari S/stn. (GETCO)	-		BHEL	Available	35%	10%					Apr'18	Engg., supply & civil work under progress.
1.10	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN.		Mar'16								Jan'18	Jan'18	
1.10.1	Extn at 400KV bays at Alipurduar S/stn.				Available	99%	99%	99%				Jan'18	Bay available. Commissioning matching with line.
1.11	HVDC Bipole link between Western Region (Raigarh, Chattisgarh) and southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigerh-Pugalur 6000 MW HVDC System		May'16								Nov'19	Nov'19	
1.11.1	800KV HVDC Raigarh Station with 6000 MW HVDC Terminal			ABB/ BHEL	Acquired							Nov'19	Award placed in Jun'16. Package was court case. Resolved in Dec'16. Engg. in progress.
1.11.2	800KV HVDC Pugalur Station with 6000 MW HVDC Terminal			ABB/ BHEL	Acquired							Nov'19	Award placed in Jun'16. Package was court case. Resolved in Dec'16. Engg. in progress.
1.12	Green Energy Corridore ISTS - Part -D		May'16								May'19	May'19	Efforts are being made to complete early.
1.12.1	765/400KV Bikaner Sub station	2x1500		Techno	Acquired	15%						May'19	Engg. & civil work under progress. Unauthorised mining affect site progress. State/Distt. admn. help required.
1.12.2	Extn. at 765/400KV Ajmer Sub station			Techno	Available	8%						May'19	Award placed in May'16. Engg. & civil work under progress.
1.12.3	Extn. at 765/400KV Moga Sub station			Techno	Available	8%						May'19	Award placed in May'16. Engg. & civil work under progress.
2.0	NORTHERN REGION												
2.1	Northern Regional System Strengthening Scheme - XVI		July'10/ May'15/								Jun'17	Jun'17	
2.1.1	400/220 KV Wanpoh Sub station	7x105		JSL	Available	Compltd	Compltd	Compltd	2	2		Jul'14	Sub station commissioned with ICT-I (3x105) in Sep'13, ICT-II (3x105) commissioned in Jul'14.
2.1.2	Extn. of 400/220KV Kishanpur Substation	-		JSL	Available	Compltd	Compltd	98%				Jun'17	New Wanpoh bay shall be ready matching with line.
2.2	Northern Regional System Strengthening Scheme - XXIV		Nov'11/ Mar'17								Jun'17	Sep'17	One space 400KV bay at Dulhasti HEP S/y of NHPC would be used for termination of the line at Dulhasti end.
2.2.1	Extn. at 400/220 KV Deharadun, Abdullapur and Kishenpur Sub station,			CGL/L&T	Available	Compltd	99%	99%				Sep'17	Bay ready. Commissioning matching with line.

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2.2.2	Extn. at 400/220 KV Balia Sub station, (2x63 MVAR Reactor)			GET	Available	Compltd	Compltd	Compltd				Jan'14	Commissioned in Jan'14.
2.3	Strengthening Scheme in Northern Region		Oct'12								Oct'14	Sep'17	
2.3.1	Extn of 400/220KV Kota S/Stn. (PG) (Shifting 50MVAR LR Merta to Kota)			Alstom	Available	Compltd	Compltd	Compltd				Mar'16	Commissioned in Mar'16.
2.3.2	Extn of 400/220KV Dehar S/Stn. (BBMB) (Inst. of 2x63 MVAR BR & Repl. 250MVA Tfr. to 4x105 MVA)	65		NHVS/ EMC	Available	90%	80%	76%	1	1		Sep'17	One reactor commissioned. Repl. of ICT, commissioned in Jan'17. Balance 01 reactor damaged. Expected by Sep'17.
2.3.3	Extn of 400/220KV Koteswar S/Stn. (THDC) (125 MVAR BR)			Alstom	Available	Compltd	Compltd	99%				Sep'17	Balance work under progrss.
2.4	Transmission System Associated with RAPP 7 & 8 - Part-A.		Mar'13								Mar'15	Aug'17	Generation project delayed.
2.4.1	Extn. at 400KV Kota S/stn.			Techno	Available	Compltd	Compltd	Compltd				Aug'17	Work completed. Commissioning matching with line.
2.5	Northern Region System Strengthening Scheme -XXX		Feb'14/ Mar'17								Feb'18	Feb'18	
2.5.1	Extn. at 400KV Singrauli S/stn. at NTPC Gen. Stn.			Alstom	Available	80%	87%	45%				Feb'18	Supply & civil works under progress. Eqpt. erection to start in Dec'16.
2.5.2	Extn. at 400/220KV Allahabad S/Stn.			Alstom	Available	100%	98%	96%				Feb'18	Works under progress.
2.5.3	Extn. at 765/400KV Kanpur GIS			Alstom	Available	100%	95%	96%				Oct'17	Works under progress.
2.6	Northern Region System Strengthening Scheme -XXXII		Feb'14/ Mar'17								Feb'18	Feb'18	
2.6.1	Aug. at 400/220KV Ballabgarh S/stn. (replacing existing 4x315MVA with 4x500MVA ICT's)	740		Emco	Available	90%	90%	70%	4	3		Sep'17	ICT-I commissioned in Feb'16 & ICT-II in Sep'16. Balance work under progress.
2.6.2	Aug. at 400/220KV Mandola S/stn. (replacing existing 4x315MVA with 4x500MVA ICT's)	740		Emco	Available	Compltd	Compltd	Compltd	4	4		Oct'16	ICT-I commissioned in Mar'16, ICT-II in Apr'16 & ICT-III in May'16. ICT-IV in Oct'16.
2.6.3	Provision of 7x105 MVA 400/220KV ICT at Parbati PS	630		Hysoung/ L&T	Available	90%	85%	75%	7	7		Sep'17	Civil work, supply & erection under progress. MoP/CEA assistance required for implementation of Down stream line by HPSEB.
2.6.4	Aug. at 400/220KV Gurgaon S/stn. (4th ICT-500MVA)	500		Hysoung/ L&T	Available	95%	95%	70%	1			Feb'18	Works under progress.
2.6.5	Extn. at 400/220KV Panchkula & Patiala S/stn.	-		Alstom	Available	Compltd	Compltd	Compltd				Apr'16	Commissioned in Apr'16.
2.6.6	Extn. at 765/400/220KV Lucknow S/stn.	-		Emco	Available	Compltd	Compltd	Compltd				May'17	Commissioned in May'17.
2.6.7	Extn. at 765/400/220KV KanpurS/stn.	-		Hysoung	Available	Compltd	Compltd	Compltd				May'17	Commissioned in May'17.

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2.6.8	Extn at 400/220KV Chittorgarh S/stn.	-			Available	Compltd	Compltd	Compltd				Sep'16	Charged on 30.09.16.
2.6.9	Extn at 400/220KV Kaithal S/stn.	-		Emco	Available	Compltd	Compltd	Compltd				Mar'17	Commissioned in Mar'17.
2.7	Static VAR Compensators (SVCs) in Northern Region		May'14/ Mar'17								Oct'17	Oct'17	
2.7.1	SVC at 400/220KV Ludhiana S/stn. (+)600MVAR / (-) 400MVAR	-		Siemens	Available	Compltd	Compltd	Compltd				Nov'16	Commissioned in Nov'16.
2.7.2	SVC at 400/220KV Kankroli S/stn. (+)400MVAR / (-) 300MVAR	-		Siemens	Available	Compltd	Compltd	Compltd				Dec'16	Commissioned in Dec'16.
2.7.2	SVC at 400/220KV New Wanpoh S/stn. (+)300MVAR / (-) 200MVAR	-		Siemens	Available	70%	67%	82%				Oct'17	Initilay work affected due to disturbance in Kashmir since 07.08.16. Latest snowfall affected progress.
2.8	Augmentation of Transformers in Northern Region - Part-B.		Mar'14/ Mar'17								Jul'17	Jul'17	
2.8.1	Extn. at 400/220KV Samba S/stn.	315		Toshiba	Available	Compltd	Compltd	Compltd	1	1		Oct'16	Commissioned in Oct'16.
2.8.2	Extn. at 400/220KV Gurgaon S/stn.	500		NHVS/ EMC	Available	95%	95%	70%				Jul'17	Supply, civil work & erection under progress.
2.8.3	Extn. at 400/220KV Hamirupr S/stn.	3x105		NHVS/ EMC	Available	65%	35%	25%	3			Jul'17	Erection under progress. Down stream line delayed. CEA to take up with State for readiness of down stream line by Jul'17.
2.8.4	Extn. at 400/220KV Jalandhar S/stn.	500		Toshiba	Available	Compltd	Compltd	Compltd	1	1		Jun'16	Commissioned in Jun'16.
2.8.5	Extn. at 400/220KV Panchkula S/stn.	500		Toshiba	Available	Compltd	Compltd	Compltd	1	1		Mar'16	Commissioned in Mar'16.
2.9	Transmission System associated with Tehri Pump Storage Plant (PSP)		Jan'15								Oct'17	Mar'18	
2.9.1	765/400KV Tehri Poolig Station (GIS)	4x800		NHVS/KEC		50%	30%					Mar'18	Award placed in Mar'15. Engg., civil work & supply under progress.
2.9.2	Extn. at 765/400KV Meerut Sub station	1500		NHVS/KEC	Available	65%	40%					Mar'18	Award placed in Mar'15. Engg., civil work & supply under progress.
2.10	Transmission System associated with Kishanganga HEP		Jan'15/ Mar'17								Mar'18	Mar'18	Bays at Amargarh in the scope of PDD, J&K Govt (ready).
2.10.1	Extn. at 400/220KV Wagoora S/Stn. (PG). (02 nos line bays)	-		GE Alstom	Available	28%	22%					Mar'18	Engg., supply & civil work under progress. Work affected due to disturbance in Kashmir.
2.11	Bus Reactors in Northern Region (Phase-II)		Feb'15								Aug'17	Aug'17	
2.11.1	Extn. at 400/220KV Panchkula, Sonapat & Kaithal Sub station (125MVAR Bus Reactors in each extn.)	-		GE Alstom	Available	Compltd	Compltd	Compltd				Dec'16	Reactor at Panchkula & Kaithal commissioned in Oct'16 & Sonapat in Dec'16.

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2.11.2	Extn. at 400/220KV Manesar, Kanpur, Bassi & Jaipur South Sub station (125MVAR Bus Reactors in each extn.)	-		GE Alstom / ABB	Available	90%	85%	75%				Aug'17	Extn. at Bassi commissioned in Sep'16. Kanpur & Jaipur south commissioned in Dec'16. Manasar expected by Aug'17.
2.12	Northern Region System Strengthening Scheme -XXXIV		Mar'15								July'17	July'17	
2.12.1	Extn. at 400/220KV Agra Sub station	315		GE Alstom	Available	50%	40%					July'17	Award placed in Sep'15. Engg., supply & civil work under progress.
2.12.2	Extn. at 400/220KV Kaithal Sub station	315		GE Alstom	Available	45%	35%	30%				July'17	Award placed in Sep'15. Engg., supply, civil work & erection under progress.
2.12.3	Extn. at 400/220KV Bhinamal & Jullandhar S/stn.			GE Alstom	Available	Compltd	Compltd	Compltd				Apr'17	Bay at Jullandhar S/s commissioned in Feb'17 & Bhinamal in Apr'17..
2.13	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)		Mar'15/ Mar'17								Jun'19	Jun'19	
2.13.1	400/220KV Rajghat Sub station (GIS)	4x500			Acquired							Jun'19	Re-award under progress. Possision of land in Dec'16. Award terminated due to delay in land acqrisition. Land under hold.
2.13.2	400/220KV Dwarka -I Sub station (GIS)	4x500		L&T/ Hysoung	Acquired							Sep'18	Land acquired in Aug'16. Award placed in Dec'16. Engg. in progress.
2.14	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-B1)		May'15								Oct'18	Oct'18	Compln. Sch - 26 month from date of land acq. (land acquired in Aug'16).
2.14.1	400/220KV Tughlakabad S/stn (GIS)	4x500		L&T/ Hysoung	Acquired	5%						Oct'18	Land acquired in Jul'16. Award placed in Dec'16. Engg. & civil work under progress.
2.15	Transmission System Associated with RAPP 7 & 8 - Part - B.		Jul'15								Nov'17	Nov'17	
2.15.1	Extn. at 400/220KV Jaipur (South) S/stn.			Alstom	Available	80%	60%	50%				Nov'17	Engg., supply, civil works & erection under progress.
2.15.2	Extn. at 400/220KV Kota S/stn.			Alstom	Available	75%	60%	55%				Nov'17	Award placed in Aug'15. Engg., supply, civil works & erection under progress.
2.16	Augmentation of Transformation Capacity at Mainpuri & Sikar S/stn.		Jan'16								Jan'18	Jan'18	
2.16.1	Extn. at 400/220KV Mainpuri S/stn.	1x500		SPML	Available	50%	35%	10%				Jan'18	Supply, civil work & erection under progress. Efforts being made to complete earlyly i.e. Jul'17.
2.16.2	Extn. at 400/220KV Sikar S/stn.	1x500		SPML	Available	85%	75%	45%				Jan'18	Supply, civil work & erection under progress. Issue needs to be takk up with State for construction of 220KV line. In absence of line, bay not be utilised. Readiness of the bay expected by Jul'17.
2.17	Provision of 400KV Bays for Northern Region System Strengthening Scheme - XXIX		Jan'16								Nov'18	Nov'18	

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविकAnt. / Act	
2.17.1	Extn. at 400/220KV Jalandhar S/stn.			Godrej	Available	Compltd	Compltd	Compltd				Dec'16	Commissioned in Dec'16.
2.17.2	Extn. at 400/220KV Samba S/stn.			Godrej	Available	60%	40%	30%				Nov'18	Jalandhar bay commissioned. Balance work (Amargarh bay) under progress.
2.18	Transmission System for Solar Power Park at Bhadla, Rajasthan.		Jul'16								Jan'19	Jan'19	
2.18.1	765/400/220KV Bhadla Sub station	3x1500 3X500		TATA/ Alstom	Acquired	15%						Jan'19	Award Placed in Aug'16. Engg. & civil work under progress.
2.18.2	Extn. at 765/400KV Bikaner Sub station			Alstom	Available							Jan'19	Award Placed in Aug'16. Engg. in progress.
2.18.3	Extn. at 400/220KV Bhadla (RVPN) Sub station				Available							Jan'19	Award Placed in Aug'16 (Extn. work to be carried out by RVPN on deposit work on behalf of PG)
2.19	Provision of STATCOM at Nalagarh & Lucknow in Northern Region.		Aug'16								Feb'19	Feb'19	
2.19.1	Extn. at Lucknow Sub station (STATCOM)	-		Ronxing/ Techno	Available	3%						Feb'19	Award placed in Sep'16. Engg. & civil work under progress.
2.19.2	Extn. at Nalagarh Sub station (STATCOM)	-		Ronxing/ Techno	Available							Feb'19	Award placed in Sep'16. Engg. in progress.
2.20	Provision of Series Reactors in Northern Region.		Aug'16								Feb'19	Feb'19	
2.20.1	1 no. Series Bus Reactor at 400/220 KV Mandola S/stn. and 02 nos series line reactor along with associated bays	-		Alstom	Available	4%						Feb'19	Award placed in Aug'16. Engg. & civil work under progress.
2.20.2	1 no. Series Bus Reactor at 400/220 KV Ballabgarh S/stn. along with associated bays	-		Alstom	Available							Feb'19	Award placed in Aug'16. Engg. in progress.
2.21	Establishment of 220/66KV GIS at UT Chandigarh along with 220KV D/C line from Chandigarh GIS to 400/220KV Panchkula (PG) Sub station.		Feb'17								Feb'19	Feb'19	
2.21.1	220/66KV UT Chandigarh (GIS) Sub station	2x160			Acquired							Feb'19	Award placed in Mar'17. Engg. in progress.
2.21.2	Extn at 400/220KV Panchkula Sub station	-			Available							Feb'19	Award placed in Mar'17. Engg. in progress.
2.22	System Strengthening Scheme in Northern Region - XXXVII		Feb'17								Dec'19	Dec'19	
2.22.1	400/220KV Jauljivi (GIS) Sub station	7x105			Acquired							Dec'19	Award placed in Mar'17. Engg. in progress.
2.22.2	Extn at 765/400KV Bareilly Sub station	-			Available							Dec'19	Award placed in Mar'17. Engg. in progress.
2.23	System Strengthening Scheme in Northern Region - XXXVI		Mar'17								Sep'19	Sep'19	

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2.23.1	Extn. at 400/220KV Koteswar Pooling station	-			Available							Sep'19	Award placed in Mar'17. Engg. in progress.
2.23.2	Extn. at 400/220KV Roorkee Sub station	-			Available							Sep'19	Award placed in Mar'17. Engg. in progress.
2.24	System Strengthening Scheme in Northern Region - XXXVIII		Mar'17								Jun'19	Jun'19	
2.24.1	Creation of 400KV level at Aligarh (PG) 765KV GIS Switching Station - Extn.	2x1500			Available							Jun'19	Award placed in Mar'17. Engg. in progress.
2.24.2	Extn. at 400KV Neemrana Sub station	-			Available							Jun'19	Award placed in Mar'17. Engg. in progress.
2.25	Line Bays Associated with Various Regional Strengthening Schemes in Northern Region		Mar'17								Mar'19	Mar'19	
2.25.1	Extn. at 765/400/220KV Fatehpur Sub station	-			Available							Dec'18	Award placed in Mar'17. Engg. in progress.
2.25.2	Extn. at 400KV Bhinmal Sub station	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
2.25.3	Extn. at 400KV SikarSub station	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
2.26	Augmentation of Transformation Capacity at Raebareli & Sitarganj 220/132KV S/Stn.		Mar'17								Mar'19	Mar'19	
2.26.1	Repl. of 2x100MVA ICT's by 2x200MVA 220/132KV ICT's at Raebareli S/stn.	200			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
2.26.2	Extn. at 220/132KV Sitarganj Sub station	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
2.27	Augmentation of Transformation Capacity at Fatehabad 400/220KV S/Stn.		Mar'17								Sep'19	Sep'19	ICT at Fatehabad is to be provide from the 315 MVA (repl. 315 to 500MVA) at Ballabgarh S/Stn.
2.26.1	Ext. at 400/220KV ICT's at Fatehabad S/stn.	-			Available							Sep'19	Award under progress.
3.0	WESTERN REGION												
3.1	Western Region Strengthening Scheme - V		Dec'07/ Nov'12/ Jan'16/ Mar'17								Dec'17	Dec'17	Matching with line.
3.1.1	400/220 KV Navi Mumbai (GIS).	2x315		ABB	Acquired	Compltd	Compltd	Compltd	2	2		Dec'17	Sub station is ready. Commissioning matching with LILO line (under ROW) now planned to be completed using under ground cable. Cable trench work under progress. Severe ROW problem. Critical. Due to severe ROW portion at Navi-Mumbai end, Line was decided to be terminated at Kudus S/Stn. of MSETCL. Also 220KV down stream system (under MSETCL scope) delayed. Critical.

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3.1.2	Ext. 400/220 KV Vapi (PG) S/Stn.	-		Emco	Available	Compltd	Compltd	Compltd				Mar'13	Bay associated with Vapi-Khadoli line charged on 15.09.10. Vapi bay associated with Vapi - Nai Mumbai line test charged in Mar'13.
3.1.3	Ext. 220/66 KV Khadoli (UT & DNH) S/Stn.	-		Shyama Power	Available	Compltd	Compltd	Compltd				Sep'10	Test charged on 15.09.10.
3.1.4	Ext. 400/220 KV Kudus S/Stn. (MSETCL)	-			Available	75%	70%	35%				Dec'17	Work under progress.
3.2	Transmission System Associated with Mundra Ultra Mega Power Proj.		Oct'08/ Mar'16/								Feb'18	Feb'18	
3.2.1	400/220 KV Bachchau S/Stn.	2x315		Siemens	Acquired	Compltd	Compltd	Compltd	2	2		Sep'11	Sub station commissioned with ICT's in Sep'11.
3.2.2	400/220 KV Navsari GIS S/Stn.	2x315		ABB	Acquired	Compltd	Compltd	Compltd	2	2		July'12	Sub station commissioned with both ICT's in July'12.
3.2.3	Extn. 400KV at Boisar S/Stn.			Jyoti	Available	Compltd	Compltd	Compltd				Dec'16	Commissioned in Dec'16 alongwith line.
3.2.4	765/400KV Wardha S/Stn.	3x1500		ABB	Acquired	Compltd	Compltd	Compltd	3	3		Mar'12	Sub station commissioned alongwith I&II ICT's in Feb'12 & IIIRD ICT in Mar'12
3.2.5	400/220 KV Aurangabad S/Stn. & Extn. at 400KV Wardha & Aurangabad (MSETCL) S/stn.	2x315		BHEL	Acquired	98%	100%	98%	2	2		Feb'18	Sub station commissioned alongwith both ICT's in Jan'14. Balance works under progress. Commissioned matching with line.
3.2.6	Extn. 765KV at Seoni & Wardha S/stn.			ABB	Available	Compltd	Compltd	Compltd				May'12	Bays for Ist Seoni - Wardha line commissioned in Feb'12. & IIIRD Seoni-Wardha 765KV S/C line bay commissioned in May'12.
3.2.7	Extn. 400KV at Limbdi S/stn.			Siemens	Available	Compltd	Compltd	Compltd				Nov'11	Charged in Nov'11.
3.2.8	Extn. 400KV at Ranchorpur S/stn.			Siemens	Available	Compltd	Compltd	Compltd				Sep'11	Charged in Sep'11.
3.2.9	Extn. 400KV Jetpur S/stn.			Areva	Available	Compltd	Compltd	Compltd				Aug'12	Commissioned in Aug'12.
3.2.10	40% Fixed Series Compensation on Wardha - Aurangabad 400KV D/C line.			Alstom	Available	90%	95%	85%				Feb'18	Supply & civil works under progress. Completion matching with Wardha-Aurangabad line.
3.3	Transmission System strengthening in Western part of WR for IPP Generation Projects in Chhatisgarh - part-D		Nov'11/ Mar'17								Sep'17	Sep'17	Matching with line.
3.3.1	765/400KV Aurangabad Sub station	2x1500		Alstom	Acquired	Compltd	Compltd	Compltd	2	2		July'14	S/S alongwith Bus Reactor charged through ICT to improve system parameters in Feb'14. ICT-II commissioned in Jul'14. 765KV Wardha bays at Aurangabad commissioned in Jul'14.
3.3.2	Aug. 400/220KV Boisar Sub station	1x500		L&T	Available	Compltd	Compltd	Compltd	1	1		Dec'14	Commissioned in Dec'14

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3.3.3	Extn. at 765/400KV Wardha Sub station			Areva	Available	Compltd	Compltd	Compltd				July'14	Commissioned in July'14.
3.4	System Strengthening in North/West part of WR for IPP Project in Chhattisgarh - E.		Dec'11 / Mar'15/								Dec'17	Dec'17	
3.4.1	765/400KV Padghe S/Stn. GIS	2x1500		NHVS	Acquired	95%	95%	90%	2	2		Dec'17	Supply, civil works & erection under progress.
3.4.2	Extn. at 765/400KV Aurangabad			Alstom	Available	95%	99%	95%				Dec'17	Supply, civil works & erection under progress.
3.4.3	Extn. at 765/400KV Vadodara			NHVS	Available	Compltd	Compltd	Compltd				Jun'15	Commissioned in Jun'15.
3.4.4	Extn. at 400KV Asoj			Alstom	Available	Compltd	Compltd	Compltd				Mar'14	Commissioned in Mar'14.
3.4.5	Extn. at 400KV Padghe S/S. (MSETCL)			Alstom	Available	75%	60%	30%				Dec'17	Engg., civil work , supply & erection under progress. MSETCL S/S at Kudus delayed due to termination of main contract and re-tendered. Critical
3.5	Installation of Transformer & Procurement of Spare Converter Transformer at Bhadrawati HVDC B/B Stn.		Aug'13/ Mar'16								May'18	Sep'17	
3.5.1	Extn. at 400/220KV Bhadrawati HVDC B/B Station (1x315)	315			Available	Compltd	Compltd	Compltd	1	1		Mar'15	ICT commissioned in Mar'15.
3.5.2	Procurement of Spare Converter Tfrs - 234MVA, 1-Ph 3 Winding											Sep'17	Procurement under process.
3.6	Transmission System Associated with Mauda Stage-II (2x660MW) Gen. Proj.		Sep'13/ Mar'17								May'17	Jun'17	
3.6.1	400/220KV Betul Sub station (GIS)	2x315		Alstom	Available	95%	95%	95%	2	2		Jun'17	Supply, civil work & erection under progress. Matching with line.
3.6.2	Extn. 400KV Indore & Khandwa S/stn.			KPTL	Available	Compltd	Compltd	99%				Jun'17	Indore bay commissioned in Dec'16. Completion matching with line.
3.7	Transmission System Associated with KAKRAPAR APP - 3&4		Feb'14/ Mar'17								Apr'17	Apr'17	
3.7.1	Extn. at 400/220KV Navsari GIS S/stn.			Alstom	Available	Compltd	Compltd	Compltd				Apr'17	Completed & commissioned in May'17.
3.7.2	Extn. at 400/220 KV Vapi S/stn.			KPTL	Available	Compltd	Compltd	Compltd				Apr'17	Completed & commissioned in May'17.
3.8	Installation of Bus Reactor & ICT in Western Region		May'14/ Mar'17								July'16/ May'17	Mar'17	PROJECT COMPLETED
3.8.1	Extn. at 765/400KV Raigarh S/stn. (Tamnar) ICT (1500MVA) with bays	1500		Techno	Available	Compltd	Compltd	Compltd	1	1		Mar'17	Commissioned in Mar'17.

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3.8.2	Extn. at 765/400KV Raipur PS. ICT (1500MVA) with bays	1500			Available	Compltd	Compltd	Compltd	1	1		Mar'17	Commissioned in Mar'17.
3.8.3	Extn. at 400/220KV Vadodara GIS. ICT (2x500MVA) with 02 nos. bays 04 nos. 220KV line bays	2x500		ABB	Available	Compltd	Compltd	Compltd	2	2		Mar'17	Commissioned in Mar'17.
3.8.4	Extn. at 400/220KV Damoh S/stn.. ICT (500MVA) with bays	500		Techno	Available	Compltd	Compltd	Compltd	1	1		Nov'16	Commissioned in Nov'16.
3.8.5	Extn. at 400/220KV Rajgarh S/stn.. 63 MVAR Switchable line reactor			Techno	Available	Compltd	Compltd	Compltd				Oct'16	Commissioned in Oct'16.
3.8.6	Extn. at 400/220KV Bina S/stn.. 125 MVAR Bus Reactor			Alstom	Available	Compltd	Compltd	Compltd				Feb'16	Commissioned in Feb'16.
3.8	Transmission System Associated with LARA STPS - I Gen. Proj. NTPC		Jun'14								Apr'17	Jun'17	Compln Sch. : 34 months from IA.
3.8.1	Extn. at 400KV Raigarh (Kotra) S/Stn.			Alstom	Available	Compltd	Compltd	Compltd				Apr'16	Commissioned in Apr'16.
3.8.2	Extn. at 400KV Champa S/Stn.			Alstom	Available	90%	88%	80%				Jun'17	Work under progress. Completion matching with generation.
2.9	Sub station extn. for Transmission System associated with Vindhyachal - V Project of NTPC (Part-A)		Feb'15								Jul'17	Jul'17	Compln. Sch. - 30 months from IA
2.9.1	Installation of 1x1500MVA, 765/400KV ICT at Vindhyachal Pooling Station.	1500			Available	95%	95%	75%	1			Jul'17	Engg., supply, civil works & erection under progress.
3.10	Transmission System Associated for Solapur STPP (2x660MW) Gen. Proj.		Mar'15								Mar'17	Jun'17	
3.10.1	Extn. at 400/220KV Sholapur S/stn.	-		Techno	Available	95%	95%	90%				Jun'17	Supply, civil work & erection under progress.
3.11	Installation of STATCOMs in Western Region		Mar'15								Sep'17	Apr'18	Compln. Sch. - 30 months from IA
3.11.1	Extn. at 400 Aurangabad S/stn.	-		Techno	Available	65%	55%	20%				Sep'17	Engg., supply, civil work & erection under progress.
3.11.2	Extn. at 400 Gwalior S/stn.	-		Techno	Available	15%	5%					Apr'18	Engg., supply & civil work under progress.
3.11.3	Extn. at 400 Satna S/stn.	-		Techno	Available	75%	60%	30%				Sep'17	Award placed in Jun'15. Engg., supply, civil work & erection under progress.
3.11.4	Extn. at 400 Solapur S/stn.	-		Techno	Available	65%	55%	30%				Sep'17	Award placed in Jun'15. Engg., supply, civil work & erection under progress.
3.12	GREEN ENERGY CORRIDORS:- Inter State Transmission Scheme (ISTS) - Part - C		Jul'15								Jul'18	Jul'18	
3.12.1	765/400/220KV Bhuj Pool Sub station	2x1500 & 2x500		BHEL	Acquired	45%	30%					Jul'18	Award placed in Mar'16. Engg. supply & civil work under progress.

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3.12.2	Extn at 765/400KV Banaskantha S/stn.			BHEL	Available	10%	5%					Jul'18	Award placed in Mar'16. Engg., supply & civil work under progress.
3.13	Transmission System for Ultra mega Solar Park in Rewa District, Madhya Pradesh .		Jan'16/ Mar'17								Oct'17	Oct'17	
3.13.1	400/220KV Rewa Pooling Station	3x500		Alstom	Acquired	85%	60%	45%				Oct'17	Award placed in Feb'16. Engg., supply, civil work & erection under progress.
3.14	Transmission System Strengthening Associated with Mundra UMPP (Part-A)		Jan'16								Jul'18	Jul'18	
3.14.1	Extn. at 400KV Bachau Sub Station			Techno	Available	80%	75%	45%				Jul'18	Engg., supply, civil work & erection under progress.
3.15	Western Region Strengthening Scheme - XIV		Jan'16								Jul'18	Jul'18	
3.15.1	Extn. at 400/220KV Indore S/stn.	2x500		Techno	Available	75%	60%	20%				Jul'18	Engg., supply, civil work & erection under progress.
3.15.2	Extn. at 400/220KV Itarsi S/stn.	1x500		Techno	Available	80%	80%	45%	1			Jul'17	Engg., supply & civil work under progress. Efforts being made to complete earlier.
3.16	Western Region Strengthening Scheme - XV		Apr'16								Feb'18	Feb'18	Compln Sch. : 22 months from IA. (under TBCB)
3.16.1	Extn. at 765KV Solapur S/stn.	-		Techno	Available	25%	10%					Jan'18	Award placed in Apr'16. Engg., supply & civil work under progress.
3.16.2	Extn. at 400KV Parli Switching Station.	-		Techno	Available	35%	5%					Feb'18	Award placed in Apr'16. Engg., supply & civil work under progress.
3.17	POWERGRID work associated with Part-A of Trans. System for Gadawara STPS of NTPC.		Apr'16								May'17	May'17	PROJECT COMPLETED (under TBCB)
3.17.1	Extn. at 765KV Jabalpur Pooling Station.	-		Techno	Available	Compltd	Compltd	Compltd				May'17	Commissioned in May'17.
3.18	Sub station extn. for Trans. System associated with Vindhyachal-V project of NTPC (Part-B)		Apr'16								Jun'18	Jun'18	Compln Sch. : 27 months from IA. (under TBCB)
3.18.1	Extn. at 765KV Vindhyachal Pooling Stn.	-		Techno	Available	55%	50%	5%				Jun'18	Award placed in Apr'16. Engg., supply, civil work & erection under progress.
3.18.2	Extn. at 765KV Jabalpur Pooling Station.	-		Techno	Available	60%	50%	10%				Jun'18	Award placed in Apr'16. Engg., supply, civil work & erection under progress.
3.19	PG works associated with System Strengthening for IPP's in Chattisgarh and other Gen. Proj. in WR		Jul'16								Mar'19	Mar'19	Commisisoning progressively matching with TBCB lines.
3.19.1	Extn. at 765/400 KV Vindhyachal Pooling Station. (765KV Bay)	-		ABB	Available	10%	5%					Nov'18	Award placed in Jul'16. Engg., supply & civil work under progress.
3.19.2	Extn. at 765/400 KV Vindhyachal Pooling Station. (400KV Bays)	-		ABB	Available	10%	5%					Jan'19	Award placed in Jul'16. Engg., supply & civil work under progress.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविक Ant. / Act	
3.19.3	Extn. at 400 KV Gwalior (GIS)	-		Hysoung / L&T	Available	5%						May'18	Award placed in Jul'16. Engg. & civil works under progress.
3.19.4	Extn. at 765/400 KV Pune GIS (765KV Bay).	-		Hysoung / L&T	Available	15%	2%					Mar'19	Award placed in Jul'16. Engg., supply & civil work under progress.
3.19.5	Extn. at 765/400 KV Champa Pooling Station. (765KV Bays)	-		ABB	Available							Nov'18	Award placed in Jul'16. Engg. in progress.
3.19.6	Extn. at 765/400 KV Raigarh Pooling Stn. (765KV Bay).	-		ABB	Available	10%	2%					Nov'18	Award placed in Jul'16. Engg., supply & civil work under progress.
3.19.7	Extn. at 765/400 KV Dharamjaigarh Pooling Station. (765KV Bays)	-		ABB	Available	10%	2%					Nov'18	Award placed in Jul'16. Engg., supply & civil work under progress.
3.20	Transmission System Strengthening Associated with Mundra UMPP (Part-B)		Jul'16								Dec'18	Dec'18	Compln Sch. : 29 months from IA.
3.20.1	Extn. at 400KV Bhuj Pooling Station			Shyam Indus	Available	15%	2%					Dec'18	Award placed in Sep'16. Engg., supply & civil work under progress.
3.20.2	Extn. at 400KV Mundra UMPP Sw. Yd.			Shyam Indus	Available							Dec'18	Award placed in Sep'16. Engg. in progress.
3.21	Western Region Strengthening Scheme - XVI		Jul'16								Jul'18	Jul'18	Compln Sch. : 24 months from IA.
3.21.1	Extn. at 400/220KV Parli Switching stn.	2x500		Shyam Indus	Available	10%	5%					Jul'18	Work under progress. Availability of down stream network by MSETCL. Critical
3.21.2	Extn. at 400KV Satna Sub Station.	1x500		Shyam Indus	Available	35%	15%	2%				Jul'18	Award placed in Sep'16. Engg., supply, civil work & erection under progress.
3.21.1	Extn. at 400KV Maupsa Sub Station.	-		Shyam Indus	Available	8%	5%					Jul'18	Award placed in Sep'16. Engg., supply & civil work under progress.
3.21.2	Extn. at 400KV Indore Sub Station.	-		Shyam Indus	Available	15%	5%					Jul'18	Award placed in Sep'16. Engg., supply & civil work under progress.
3.23	Trans. System associated with DGEN TPS of Torrent Power Ltd.		Jul'16								May'18	May'18	Compln Sch. : May 2018 matching with TBCB lines.
3.22.1	Extn. at 765/400KV Vadodara Sub Stn. (Installation 125 MVAR BR)	-		L&T	Available	5%						May'18	Work under progress. Associated line readiness through TBCB rout is critical.
3.22.2	Extn. at 400KV Vadodara GIS Sub Stn.	-		L&T	Available	25%	2%					May'18	Work under progress. Associated line readiness through TBCB rout is critical.
3.22.3	Extn. at 220KV Novsari (GIS) Sub Stn.	-		L&T	Available	30%	2%					May'18	Work under progress. Associated line readiness through TBCB rout is critical.
3.23	POWERGRID work associated with Additional System Strengthening for Sipat STPS.		Jul'16								Mar'19	Mar'19	Compln Sch. : Nov'18 to Mar 2019 progressively matching with TBCB lines.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविकAnt. / Act	
3.23.1	Extn. at 765/400KV Bilaspur Pooling Stn. (765KV bay & 240 MVAR 765KV Switchable line reactor)	-		ABB	Available	10%	2%					Mar'19	Award placed in Jul'16. Engg., supply & civil work under progress.
3.24	POWERGRID work associated with Additional System Strengthening for Chattisgarh IPP's (Part-B).		Jul'16								Nov'18	Nov'18	Compln Sch. : Nov'18 matching with TBCB lines.
3.24.1	Extn. at 765/400KV Raipur Pooling Stn. (765KV bay)	-		ABB	Available	5%	2%					Nov'18	Award placed in Jul'16. Engg., supply & civil work under progress.
3.25	Western Region Strengthening Scheme - XVII		Feb'17								Sep'19	Sep'19	Compln Sch. : 31 month from IA.
3.25.1	Extn. at 765/400KV Pune Sub station (GIS)	-			Available							Sep'19	Award placed in Mar'17. Engg. in progress.
3.25.2	Extn. at 400KV Itarsi Sub station	-			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.3	Extn. at 400KV Indore S/stn. (MPPTCL)	-			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.4	Extn. at 400KV Shujalpur Sub station	-			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.5	Extn. at 400KV Bhadravati Sub station	-			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.6	Extn. at 400/220KV Khandwa S/stn. (3rd ICT)	500			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.7	Extn. at 400/220KV Boisar S/stn. (4th ICT)	500			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.8	Extn. at 400/220KV Kala S/stn. (3rd ICT)	500			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.25.9	Extn. at 400/220KV Dehgam S/stn. (3rd ICT)	500			Available							Sep'19	Award placed in Feb'17. Engg. in progress.
3.26	Western Region Strengthening Scheme - XVIII		Feb'17								Feb'20	Feb'20	Compln Sch. : 36 month from IA.
3.26.1	Extn. at 765/400KV Dharamjaygarh Pool.	-			Available							Feb'20	Award placed in Mar'17. Engg. in progress.
3.26.2	Extn. at 765/400KV Raigarh Pool (Kotra).	-			Available							Feb'20	Award placed in Mar'17. Engg. in progress.
3.26.3	Extn. at 765/400KV Champa Pool .	-			Available							Feb'20	Award placed in Mar'17. Engg. in progress.
3.27	POWERGRID work associated with Transmission System Strengthening in WR associated with Khargaon TPS.		Feb'17								Jul'19	Jul'19	Compln Sch. : Feb'18 to Jul'19 matching with TBCB lines.
3.27.1	Extn. at 765/400KV Indore Sub station.	-			Available							Jul'19	Award placed in Mar'17. Engg. in progress.
3.27.2	Extn. at 765/400KV Rajgarh Sub station.	-			Available							Jul'19	Award placed in Mar'17. Engg. in progress.
4.0	SOUTHERN REGION												
4.1	Kundankulam - APP Transmission System		May'05/ Jan'15/ Mar'17								Sep'18	Sep'18	Matching with line expected by Sep'18.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविक Ant. / Act	
4.1.1	400/220 KV Muvattapuzha S/S	2x315		Jyoti	Acquired	Compltd	Compltd	Compltd	2	2		Nov'11	Commissioned.
4.1.2	Ext. 400 KV North Trichur (PG)			Jyoti	Available	Compltd	Compltd	Compltd	-	-		Nov'11	Commissioned.
4.1.3	400/220 KV Tirunelveli Sub station	2x315		CGL	Acquired	Compltd	Compltd	Compltd	2	2			Commissioned
4.1.4	Extn. 400/220 KV Udumalpet (PG)	1x315		Jyoti	Acquired	Compltd	Compltd	Compltd	1	1			Commissioned
4.1.5	Extn. 400/220KV Trivandrum (PG)	1x315		Jyoti	Acquired	Compltd	Compltd	Compltd	1	1			Commissioned
4.2	System Strengthening - XII of SR		Feb'10								Jun'12	Dec'17	
4.2.1	400/220KV Yelahanka Sub station (GIS)	2x500		Siemens	Acquired	99%	99%	98%	2	2		Dec'17	Completion matching with line. Uncertain
4.3	Common System Associated with Costal Energen Private Ltd and Ind-Barath Power Ltd. (LTOA) Gen. Proj. in Tuticorin area Part - B.	-	Sep'11/ Feb'17								Jun'17	Sep'17	
4.3.1	765/400KV Salem Pooling station (initially charged at 400KV)			EMC	Acquired	Compltd	Compltd	Compltd				Oct'16	Commissioned in Oct'16.
4.3.2	Extn. at 765/400KV Tuticorin Pooling Stn			EMC	Available	Compltd	Compltd	Compltd				Nov'16	Commissioned in Nov'16.
4.3.3	Extn. at 400/220 KV Madhugiri sub Stn			EMC	Available	95%	95%	95%				Sep'17	Completion matching with line.
4.3.4	Extn. at 400/220KV Salem Sub station			EMC	Available	Compltd	Compltd	Compltd				Oct'16	Commissioned in Oct'16.
4.4	System Strengthening - XIII of SR Grid		Oct'11/ Nov'15/ Mar'17								Mar'18	Mar'18	
4.4.1	400/220KV Madhugiri Sub station	2x500		KEC	Available	Compltd	Compltd	Compltd	2	2		Nov'15	Sub station commissioned in Nov'15.
4.4.2	Extn. at 400/220KV Gooty S/stn.			KEC	Available	Compltd	Compltd	Compltd				Nov'15	Commissioned in Nov'15.
4.4.3	Extn. at 400/220KV Yelahanka GIS S/s.			Siemens	Available	80%	95%	90%				Mar'18	Completion matching with line.
4.5	System Strengthening in SR - XIV		Dec'11/ Feb'15/								Dec'17	Dec'17	
4.5.1	Aug. of Hosur Sub sttaion	1x315		L&T	Available	Compltd	Compltd	Compltd	1	1		Feb'14	ICT commissioned in Feb'14.
4.5.2	Extn. at 400/220KV Somanahalli S/stn.			L&T	Available	98%	98%	98%				Dec'17	Work almost completed. Completion matching with line.
4.5.3	Extn. at 400/220KV Dharmapuri (Salem New) S/stn.			L&T	Available	99%	99%	98%				Dec'17	Work almost completed. Completion matching with line.
4.6	System Strengthening in SR - XX	5870	Aug'14/ Dec'16								Jun'17	Jun'17	Compln Sch. : 30 months from IA.
4.6.1	Extn. at 400/220/33KV Hyderabad Sub station	500		Alstom	Available	Compltd	Compltd	Compltd	1	1		Feb'17	Commissioned in Feb'17.
4.6.2	Extn. at 400/220/33KV Warangal Sub station	500		Alstom	Available	85%	65%	35%				Jun'17	Supply, civil work & erection under progress.
4.6.3	Extn. at 400/220/33KV Khammam Sub station	500		Alstom	Available	75%	62%	55%				Jun'17	Supply, civil work & erection under progress.
4.6.4	Extn. at 400/220/33KV Vijayawada Sub station	500		Alstom	Available	Compltd	Compltd	Compltd	1	1		Mar'17	Commissioned in Mar'17.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविकAnt. / Act	
4.6.5	Extn. at 400/220/33KV Gooty Sub station	500		Alstom	Available	80%	60%	55%				Jun'17	Supply, civil work & erection under progress.
4.6.6	Extn. at 400/220/33KV Cuddapa Sub station	500		Alstom	Available	72%	62%	55%				Jun'17	Supply, civil work & erection under progress.
4.6.7	Extn. at 400/220/33KV Malekuttaiyur S/stn.	500		Emco	Available	Compltd	Compltd	Compltd	1	1		Mar'16	Commissioned in Mar'16.
4.6.8	Extn. at 400/220/33KV Somanahalli S/stn.	500		Emco	Available	Compltd	Compltd	Compltd	1	1		Aug'16	Commissioned in Aug'16.
4.6.9	Extn. at 400/220/33KV Mysore S/stn.	500		Emco	Available	Compltd	Compltd	Compltd	1	1		Sep'16	Commissioned in Sep'16.
4.6.10	Extn. at 400/220/33KV Pugalur S/stn.	500		Emco	Available	Compltd	Compltd	Compltd	1	1		Mar'17	Commissioned in Mar'17.
4.6.11	Extn. at 400/220/33KV Trichy S/stn.	500		Emco	Available	Compltd	Compltd	98%	1	1		Jun'17	Erection under progress.
4.6.12	Repl. Of existing 2x315 Tfr. To 2x500 MVA at 400/220KV Narendra S/stn.	370		Emco	Available	50%	45%	30%				Aug'17	Supply, civil work & erection under progress.
4.6.13	Extn. at 400/220KV at Trissur S/stn. (Conversion line reactors)	-		Emco	Available	Compltd	Compltd	Compltd				Mar'17	Commissioned in Mar'17.
4.7	Common Transmission Scheme Associated with ISGS Projects in Nagapattinam/ Cuddalore area of Tamil Nadu - Part-A1 (b)		Nov'14/ Mar'17								May'17	Jun'17	Compln Sch. : 30 months from IA.
4.7.1	Extn. at 02 nos bays at 400KV Nagapattinam Pooling Station (GIS) (provision one 63 MVAR Line Ractor.)	-		Mac Nally	Available	Compltd	Compltd	Compltd				Oct'16	Commissioned in Oct'16.
4.7.2	Extn. at 02+01 nos bays at 400KV New Salam (Dharmapuri) (provision one 63 MVAR Line Ractor.)	-		Mac Nally	Available	Compltd	Compltd	Compltd				Oct'16	Commissioned in Oct'16.
4.7.3	Extn. at 01 non bay at 400KV Madhugiri S/stn.	-		Mac Nally	Available	Compltd	Compltd	Compltd				Jun'17	work completed. Matching with TBCB line.
4.8	System Strengthening in Southern Region - XXIII		Jan'15/ Mar'17								Jul'17	Jul'17	Compln Sch. : 30 months from IA.
4.8.1	Extn. at 400/220KV Madurai Sub station	500		CGL	Available	Compltd	Compltd	Compltd	1	1		Dec'16	Commissioned in Dec'16.
4.8.2	Extn. at 400/220KV Somanahalli S/stn. (Replacement of 7x167MVA ICT's at 2x500MVAR)			CGL	Available	Compltd	Compltd	Compltd				Mar'17	Commissioned in Mar'17.
4.8.3	Extn. at 400KV bus Reactor at Gooty, Hassan, Khammam, Trivandrum, Nellore (existing), Narendra and Nagarjunsasar S/stn. (1x125 MVAR Bus Reactor)			CGL	Available	Compltd	Compltd	Compltd				Mar'17	All extns. Commissioned progressively from Dec'16 to Mar'17.
4.8.4	Extn. at 400KV bus Reactor at Yelahanka S/stn. (2x63 MVAR)											Jul'17	Procurement shall be taken up after resolution of ROW issue of LILO line at Yelahanka.
4.9	Sub station works associated with Hyderabad (Maheshwaram) Pooling Station		Mar'15								Mar'18	Dec'17	Compln Sch. : 36 months from IA.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लआई Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविकAnt. / Act	
4.9.1	765/400KV Hyderabad (Maheshwaram) Station (GIS) (with 02 nos. 240 MVAR, Bus Reactor)	2x1500		L&T / Hysoung	Acquired	75%	65%	55%	1			Dec'17	Supply, civil work & erection under progress. Efforts being made to complete earlier.
4.10	Transmission System for Ultra mega Solar Park in Anantpur District, Andhara Pradesh - Part-A (Phase-I)		Mar'15/ Mar'17								May'17	Jun'17	
4.10.1	400/220KV NP Kunta Pooling Station (with 01 nos. 125 MVAR, Bus Reactor)	3x500		Mega Engg.	Acquired	100%	100%	100%	3	3		Jul'16	ICT-I alongwith LILO line commissioned in Apr'16 & ICT - II & III in Jul'16.
4.10.2	+/- 100 MVAR STATCOM at NP Kunta PS.	-			Available	98%	98%	95%				Jun'17	Testing under progress.
4.11	System Strengthening - XXIV in Southern Region		Jan'16								Jul'18	Jul'18	Compln Sch. : 30 months from IA.
4.11.1	765/400KV Cuddapah Sub station	2x1500		Piggao	Acquired	40%	20%					Jul'18	Engg. & civil work under progress. Efforts being made for priority 400KV portion matching with NP Kunta Gen. Ph-III.
4.11.2	Extn at 400KV Hindupur S/stn.											Jul'18	To be implemented by APTRANSCO.
4.12	Connectivity for Kudankulam 3&4 with Inter-state Transmission system		Jan'16								May'18	May'18	Compln Sch. : 28 months from IA.
4.12.1	Extn at 400KV Tuticorin Pooling Stn.			Techno	Available	100%	95%	90%				May'18	Award placed in May'16. Engg., supply, civil work & erection under progress.
4.13	Transmission System for Ultra mega Solar Park in Anantpur District, Andhara Pradesh - Part-B (Phase-II)	-	Jan'16								Jul'18	Jul'18	Compln Sch. : 16/30 months from IA.
4.13.1	Extn. at 400/220KV NP Kunta Sub Station			Techno	Available	55%	42%					Jul'18	Engg.. Supply & civil work under progress.
4.14	Removal of Constraints in 400KV Bays Extn. at 400KV Vemagiri S/stn.	-	Jan'16								Jul'18	Jul'18	Compln Sch. : 30 months from IA.
4.14.2	Extn. at 400KV Vemagiri S/stn. (PG)			Piggao	Available	22%	5%					Jul'18	Award placed in May'16. supply & civil work under progress. Efforts being made to complete in FY 2017-18 in view of system requirement.
4.14.3	Shifting of 2 nos. 63 MVAR reactor from Gazuwaka to Vemagiri-II (PG) for utilization on Simahadiri-II - Vemagiri-II (PG) 400KV D/C line.	-		Piggao	Available	15%						Jul'18	Award placed in May'16. Engg. & civil work under progress. Efforts being made to complete in FY 2017-18 in view of system requirement.
4.15	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) - Phase-I	-	Apr'16								Dec'18	Dec'18	Compln Sch. : 32 months from IA.
4.15.1	400KV Tumkur (Pavagada) Pooling Station	3x500		L&T	Acquired	30%	30%	15%	1			Dec'18	Efforts being made to complete early matching with Generation of Phase-I.
4.15.2	Extn. at 400/220KV Hiriyur Sub station			L&T	Available	20%	30%	10%				Dec'18	Award placed in Apr'16. Engg., supply, civil work & erection under progress.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविक Ant. / Act	
4.16	Transmission System for Ultra mega Solar Park in Anantpur District, Andhara Pradesh - Part-C (Phase-III)	-	Apr'16								Nov'17	Nov'17	Compln Sch. : 19 months from IA.
4.16.1	Extn. 400/220KV NP Kunta Sub Station	500		Techno	Available	50%	25%	5%				Nov'17	Engg., supply, civil work & erection under progress. Efforts being made for earlier completion in view of NP Kunta Gen.
4.17	Provision of Line Bays for the Scheme - Connectivity Line for Maheshwaram (Hyderabad) 765/400KV PS.		Jul'16								Jan'18	Jan'18	Compln Sch. : 18 months from IA.
4.17.1	Extn. at 765/400KV Maheshwaram (PG) PS			Hyosung/ L&T	Available	30%	15%					Jan'18	Award placed in Sep'16. Engg., supply & civil work under progress.
4.17.2	Extn. at 400/220KV Nizamabad (PG) Station				Available	98%	98%	98%				Jun'17	Engg., supply, civil work & erection under progress. Bay ready for commissioning
4.18	System Strengthening in SR - XXI		Sep'16	U/a							Mar'19	Mar'19	
4.18.1	STATCOM in 400/220KV Hyderabad S/S.	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
4.18.2	STATCOM in 400/220KV Udumalpet S/S.	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
4.18.3	STATCOM in 400/220KV Trichy S/S.	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
4.19	Augmentation of Transformation Capacity in Southern Region		Oct'16								Apr'19	Apr'19	
4.19.1	Extn at 400/230KV Arasur Sub station	1x500		TBEA	Available	1%						Apr'19	Award placed in Nov'16. Engg. & civil work under progress.
4.19.1	Extn at 400/230KV Karaikudi Sub station	1x500		TBEA	Available							Apr'19	Award placed in Nov'16. Engg. in progress.
4.19.1	Extn at 400/230KV Tirunelveli Sub station	1x500		TBEA	Available							Apr'19	Award placed in Nov'16. Engg. in progress.
4.19.1	Extn at 400/230KV Pondicherry Sub station	1x500		TBEA	Available							Apr'19	Award placed in Nov'16. Engg. in progress.
4.19.1	Extn at 400/220KV Kozhikode Sub station	1x500		TBEA	Available	2%						Apr'19	Award placed in Nov'16. Engg. & civil work under progress.
4.20	S/S work associated with Strengthening of Trans. System beyond Vemagiri.		Oct'16								Apr'19	Apr'19	Compln Sch. : 30 months from IA Or Matching with TBCB lines.
4.20.1	Extn at 765KV Vemagiri Pooling Station - II			Hyosung/ L&T	Available	5%						Apr'19	Award placed in Oct'16. Engg. & civil work under progress.
4.20.2	Extn at 765KV Cuddapah Sub Station			Pinggao/ TATA	Available	5%						Apr'19	Award placed in Oct'16. Engg. & civil work under progress.
4.20.3	Extn at 400KV Madhugiri Sub Station			TBEA	Available							Apr'19	Award placed in Dec'16. Engg. in progress.

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4.20.4	Extn at 400KV Srikakulam Sub Station			TBEA	Available	5%						Apr'19	Engg. & civil work under progress. Efforts being made complete earlier in view of system requirement.
4.21	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part-II)		Oct'16								Jan'19	Jan'19	Compln Sch. : 27 months from IA (ABD funded).
4.21.1	Extn at 400/220KV Tumkur (Pavagada) Pooling Station	2x500		BHEL	Available							Jan'19	Award placed in Dec'16. Engg. in progress.
4.21.2	Extn at 400/220KV Tumkur (Vasantnarsapur) Sub Station	1x500		BHEL	Available							Jan'19	Award placed in Dec'16. Engg. in progress.
4.21.1	Extn at 400/220KV Mysore Substation	-		BHEL	Available							Jan'19	Award placed in Dec'16. Engg. in progress.
4.22	Conversion of Fixed Line Reactors to Switchable Line Reactors in Southern Region.		Feb'17								Aug'18	Aug'18	Compln Sch. : 18 months from IA
4.22.1	Bay extn. at Hyderabad (2 nos), Nellore, Triuvellam, Sriperumbadur (2 Nos.), Udumalpet, Maduri (2 nos), Kochi, Tirunelveli, Trichy (2 nos.), Salam and Gooty Sub station.											Aug'18	Award placed in Mar'17. Engg. in progress.
4.23	S/S work associated with Additional Inter- Regional AC link for Import in to Southern Region i.e. Warora-Warangal and Chilakaluripeta-Hyderabad-Kurnool 765KV Link.		Mar'17								Nov'19	Nov'19	Compln Sch. : 32 months from IA
4.23.1	Extn at 765/400KV Hyderabad (Maheshwaram) GIS S/S.				Available							Nov'19	Award placed in Mar'17. Engg. in progress.
4.23.2	Extn at 765/400KV Kurnool S/S.				Available							Nov'19	Award placed in Mar'17. Engg. in progress.
4.23.3	Extn at 765/400KV Warangal S/S.				Available							Nov'19	Award placed in Mar'17. Engg. in progress.
4.24	Installation of Bus Reactors at Cuddapah, Nellore, Kurnool, Raichur and Tiruvalam		Mar'17								Jun'19	Jun'19	Compln Sch. : 27 months from IA
4.24.1	Extn at 400/220KV Cuddapah Sub station.				Available							Jun'19	Award placed in Mar'17. Engg. in progress.
4.24.2	Extn at 765/400KV Kurnool Sub station.				Available							Jun'19	Award placed in Mar'17. Engg. in progress.
4.24.3	Extn at 765/400KV Nellore PS.				Available							Jun'19	Award placed in Mar'17. Engg. in progress.
4.24.4	Extn at 765/400KV Raichur Sub station.				Available							Jun'19	Award placed in Mar'17. Engg. in progress.
4.24.5	Extn at 765/400KV Thiruvalam Sub station.				Available							Jun'19	Award placed in Mar'17. Engg. in progress.

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4.25	HVDC Bipole link between Western Region (Raigarh, Chattisgarh) and southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III : Pugalur - Trichur 2000 MW VSC based HVDC System		Feb'17								Apr'20	Apr'20	Compln Sch. : 38 months from IA. (ADB Funded).
4.25.1	+/- 320KV VSC based HVDC Terminal at Pugalur (2000MW)	2000MW										Apr'20	Award placed in Mar'17. Engg. in progress.
4.25.2	+/- 320KV VSC based HVDC Terminal at North Trichur (2000MW)	2000MW & 630										Apr'20	Award placed in Mar'17. Engg. in progress.
5.0	EASTERN REGION												
5.1	Transmission System for Development of Pooling Station in Northern region Part of West Bengal and Transfer of Power from BHUTAN to NR/WR.		April'10/ Mar'17								Mar'18	Mar'18	Matching with line
5.1.1	400/220KV HVAC & 3000MW +/-800KV HVDC New Pooling Station in Alipurduar	2x315		ABB	Acquired	80%	80%	74%	2	2		Jun'17	Pole-III & both ICT's (2x315)MVA commissioned in Mar'17. Balance work under progress. Balance land for Earth Electrode station acquired.
5.1.2	Extn. of +/- 800KV HVDC at Agra with 3000MW.			ABB	Available	85%	85%	60%				Jun'17	Work under progress.
5.2	Eastern Region Strengthening Scheme - III		July'10/ Mar'17								Dec'17	Dec'17	Compln. Sch. - 28 months from date of investment approval
5.2.1	400/220 KV Daltonganj	2x315		Alstom	Acquired	58%	80%	25%				Dec'17	Award placed in May'16 after re-tendering. Engg., supply, civil works & erection under progress. Due to delay in handing over land, M/s Alstom not agree to take up the work. Down stream network also delayed by JSTCL.
5.2.2	400/220 KV Bolangir	2x315		KEC	Available	Compltd	Compltd	Compltd	2	2		Oct'12	Sub station with ICT-I commissioned in Aug'12 & ICT-II in Oct'12.
5.2.3	400/220 KV Keonjhar	2x315		KEC	Available	Compltd	Compltd	Compltd	2	2		Feb'13	Sub station commissioned alongwith ICT-I in Jan'13 & ICT-II in Feb'13.
5.2.4	400/220 KV Chaibasa	2x315		EMC	Acquired	Compltd	Compltd	Compltd	2	2		Jan'15	Sub station commissioned alongwith ICT-I in Nov'14 & ICT-II commissioned in Jan'15.
5.2.5	400/220 KV Uttara (Pandiabil)	2x500		Hysoung	Acquired	Compltd	Compltd	Compltd	2	2		Jun'16	Sub station completed in Jun'16. Commissioned in Jul'16
5.2.6	400/132 KV Lakhisarai	2x200		GET	Acquired	Compltd	Compltd	Compltd	2	2		May'14	ICT-I commissioned in Mar'14. ICT-II commissioned in May'14.

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5.2.7	400/132 KV Banka	2x200		GET	Available	Compltd	Compltd	Compltd	2	2		Dec'12	Sub station commissioned with ICT-I in Nov'12 & ICT-II in Dec'12.
5.2.8	Extn. at 400KV Sasaram S/stn.			GET	Available	92%	80%	58%				Dec'17	Award placed in Feb'11. Supply, civil works & erection under progress.
5.2.9	Extn. at 400KV Dubri & Mendhasal S/Stn. (OPTCL)			KEC	Available	Compltd	Compltd	Compltd				Aug'15	Reactor at Dubri commissioned in Mar'14. Mendhasal scope deleted. Bay at Dubri commissioning in Aug'15.
5.3	Split Bus Arrangement for avrious Sub Stations in Eastern Region	-	Mar'13/ Jan'16								Mar'16	Sep'17*	* Matching with line.
5.3.1	Splitting arrangement with tie line breaker for 400KV Maithon & Durgapur S/stn.			BHEL	Available	100%	100%	100%				Jan'16	Extn. at Durgapur completed in Oct'15. Balance work completed in Jan'16.
5.3.2	Splitting arrangement with tie line breaker for 400KV Biharshariff Sub station			BHEL	Available	100%	100%	100%				May'17	Commissioned in May'17.
5.4	Eastern Region Strengthening Scheme-V		Oct'13/ Mar'17								Sep'17	Sep'17	
5.4.1	400/220KV Rajarhat S/Stn. (GIS)	2x500		Siemens	Acquired	90%	95%	85%	2	2		Sep'17	Work under completion. However, work standstill due to severe ROW problem in last one month & protest by locals, who are not allowing to enter in Rajarhat S/S. Land acquired in Feb'14.
5.4.2	Extn at 400KV Farakka S/stn.			Sterling & Willsion	Available	Compltd	Compltd	Compltd				Mar'17	Commissioned in Mar'17.
5.4.3	Extn at 400KV Gokarna S/stn.				Available	Compltd	Compltd	Compltd				Mar'17	Commissioned in Mar'17.
5.5	Eastern Region Strengthening Scheme-IX		Feb'14/ Mar'17								Aug'17	Aug'17	
5.5.1	Installation of 125 MVAR Bus Reactor at Gazwaka (1 no.), Rengali (2 nos.), Maithon (1 no.), Biharshariff (1 no.), Jamshedpue (2 nos.), Rourkela (1 no.) and Durgapur (2 nos.) Converting 2x80 MVAR LR at Gorakhpur end of Barh-II - Gorakhpur 400KV D/C line to 2x80MVAR Switchable LR.			BHEL	Available	85%	80%	60%				Aug'17	IIInd Reactor at Durgapur charged in Dec'16. Line Reactor at Gorakhpur commissioned in Feb'17. Supply, Civil work & erection under progress.
5.5.2	ICT at 400/220KV at Muzaffarpur S/S.	500		Toshiba	Available	100%	100%	100%	1	1		Dec'15	Commissioned in Dec'15.
5.5.3	ICT at 220/132KV at Ara S/stn.	160		Toshiba	Available	100%	100%	100%	1	1		Dec'15	Commissioned in Dec'15.
5.5.4	Repl. 2 nos. ICT's, 500MVA to 315 MVA at 400/220KV Maithon S/stn.	370		Toshiba	Available	72%	50%	48%	1	1		Aug'17	ICT-I commissioned in Sep'16. Balance work under progress. ICT under supply.
5.5.5	Procur. 500MVA ICT at 765/400KV Gaya S/stn.			Alstom	Available							Aug'17	ICT expected to be dispatched by Jun'17.

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5.6	Eastern Region Strengthening Scheme-XII	2100	May'14/ Mar'17								Nov'17	Nov'17	
5.6.1	Installation of 125 MVAR Bus Reactor at Baripada (1 no.) & Maithon (1 no.) with GIS bays. Conversion of 50 MVAR LR, presently installed at Jeerat end of Baharampur - Jeerat 400KV line as BR in parallel with existing BR at Jeerat.			Hysoung & L&T	Available	Compltd	Compltd	Compltd				Nov'16	Conversion of Line reactor at Jeerat commissioned in Aug'16, Baripada commissioned in Oct'16 & Maithon in Nov'16.
5.6.2	Addition of 500MVA ICT at 400/220KV Baripada S/stn.	500		Alstom	Available	Compltd	Compltd	Compltd	1	1		Sep'16	Commissioned in Sep'16.
5.6.3	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Purnea S/stn.	370		Alstom	Available	Compltd	Compltd	Compltd	2	2		Sep'16	ICT- I commissioned in Jul'15 & ICT-II in Sep'16
5.6.4	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Pusali S/stn.	370		Alstom	Available	75%	65%	55%	1	1		Nov'17	ICT- I commissioned in Mar'16. Balance woprk under progress.
5.6.5	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Patna S/stn.	370		Alstom	Available	65%	70%	55%	1	1		Nov'17	ICT-I commissioned in Sep'16. Balance work under progress.
5.6.6	Shifting of 1x315MVA 400/220KV ICT from any suitable location (after replacement by 1x500MVA & install it at 400/220KV Jamshedpur S/S. as 3rd ICT alongwith associated bays.	-		Alstom	Available	98%	95%	85%	1	1		Aug'17	
5.6.7	Shifting of 1x315MVA 400/220KV ICT from any suitable location (after replacement by 1x500MVA & install it at 400/220KV Farakka S/S. as 2nd ICT alongwith associated bays.	-		Alstom	Available	85%	75%	50%				Nov'17	Supply, civil work & erection under progress. Shifting of ICT from Pusali under progress. However, ICT held up at bridge near Farakka. Permission to cross bridge rfused by MoST, W.B. ICT temperaily stored at Durgapur. Scope proposal to be deleted from scheme.
5.6.8	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Siliguri S/stn.	60		Alstom	Available	Compltd	Compltd	Compltd	1	1		Jan'16	Commissioned in Jan'16.
5.6.9	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Purnea S/stn.	60		Alstom	Available	Compltd	Compltd	Compltd	1	1		Feb'16	Commissioned in Feb'16.
5.6.10	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Birpara S/stn.	60		Alstom	Available	Compltd	Compltd	Compltd	1	1		Dec'15	Commissioned in Dec'15.
5.6.11	Modification of 132KV Bus arrangement at 220/132 KV Siliguri & Purnea S/stn. with GIS bays.	-		Hysoung & L&T	Available	90%	92%	80%				Jul'17	Siliguri commissioned in Nov'16 & balance work under progress.
5.6.12	Const. of 4 nos 220KV GIS line bays at Kishanganj S/stn.	-		Hysoung & L&T	Available	Compltd	Compltd	Compltd				Oct'16	Commissioned in Oct'16.

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5.7	Sub station extn. works associated with Eastern Region Strengthening Scheme -VII		Mar'15								Mar'17	Jul'17	Compln. Sch. - 24 months from date of investment approval
5.7.1	Extn at 400KV bays at 400/220KV Purulia PSPP Sw.Yd., Kharagpur, Chaibasa and 765/400KV Ranchi S/stn. (02 nos. each)				Available	95%	94%	86%				Jul'17	Extn. at Chaibasa S/stn. commissioned in May'16 (under TBCB route). Bays at Kharagpur commissioned. Purulia bay also to be executed by West Bengal on deposit work basis. Bay at Purulia to be constructed in New S/S at Purulia (WBSETCL) due to space constraint. Work under progress.
5.7.2	Extn at 765/400KV Ranchi S/stn. end (2x50 MVAR LR) and 400/220KV Chaibasa S/stn. end (2x63 MVAR LR)			Empower	Available	Compltd	Compltd	Compltd				Oct'16	Chaibasa Reactor commissioned in May'16 & Ranchi commissioned in Oct'16.
5.8	Transmission System Associated with Darlipalli TPS		Jan'16								Jun'18	May'17	Compln. Sch. - 29 months from date of IA
5.8.1	Extn. at 765KV at Jharsaguda (Sundergarh) Pooling Station.			Techno	Available	Compltd	Compltd	Compltd				May'17	Ready for commisisoning in April'17.
5.9	Eastern Region Strengthening Scheme-XV		Apr'16								Apr'18	Apr'18	Compln Sch. 24 months from IA.
5.9.1	Extn at 400/220KV at Farakka S/stn.			GE	Available	10%						Apr'18	Award Placed in Aug'16. Engg. & civil work under progress.
5.9.2	Extn at 400/220KV at Sagardighi S/stn.			GE	Available	12%						Apr'18	Award Placed in Aug'16. Engg. & civil work under progress.
5.9.3	Extn at 400/220KV at Jeerat S/stn.			GE	Available	8%						Apr'18	Award Placed in Aug'16. Engg. & civil work under progress.
5.9.4	Extn at 400KV at Baharampur S/stn.			GE	Available	22%						Apr'18	Award Placed in Aug'16. Engg. & civil work under progress.
5.9.5	Extn at 400KV at Subhashgram S/stn.			GE	Available	5%						Apr'18	Award Placed in Aug'16. Engg. & civil work under progress.
5.10	Powergrid Works associated with Common Trans. System for Phase-II Gen. Proj. in Odisha.		Apr'16								Apr'19	Apr'19	Compln Sch.- 36 months from IA. (02 nos 400KV bay under TBCB) - 16 months from IA.
5.10.1	Extn. at 765/400KV Jharsuguda S/stn. (Sundargarh) with split Bus Arrangement	2x1500		Xin/ Techno	Available	28%	18%	8%				Apr'19	Award placed in Jun'16. Engg., supply, civil work & erection under progress.
5.10.2	765/400KV Angul S/stn. with split Bus Arrangement												Scope delated
5.11	Associated Transmission System for NABINAGAR -II TPS.										Jun'19	Jun'19	Compln Sch.- 38 months from IA.

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						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविकAnt. / Act	
5.11.1	Extn. at 765/400KV at Gaya S/stn. alongwith 765/400KV ICT.	3x500		Siemens	Available	40%						Dec'17	Award placed . Engg. & civil work under progress.
5.11.2	Extn. at 765/400KV at Patna S/stn.	-		GE	Available							Jun'19	Award placed in Mar'17. Engg. in progress.
5.12	Eastern Region Strengthening Scheme-XIV		May'16								Nov'18	Nov'18	Compln. Sch. - 30 months from date of investment approval
5.12.1	Extn. at 400/220KV Banka S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	32%						Nov'18	Award placed in Jun'16. Engg. & civil work under progress
5.12.2	Extn. at 400/220KV Bolangir S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	38%						Nov'18	Award placed in Jun'16. Engg. & civil work under progress
5.12.3	Extn. at 400/220KV Lakhisari S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	34%	8%					Nov'18	Award placed in Jun'16. Engg., supply & civil work under progress
5.12.4	Extn. at 400/220KV Chaibasa S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	35%						Nov'18	Award placed in Jun'16. Engg. & civil work under progress
5.12.5	Extn. at 400/220KV Keonjhar S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	38%	8%					Nov'18	Award placed in Jun'16. Engg., supply & civil work under progress
5.12.6	Extn. at 400/220KV Durgapur S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	40%	5%					Nov'18	Award placed in Jun'16. Engg., supply & civil work under progress
5.12.7	Extn. at 400/220KV Baripada S/Stn. (Installation of 125 MVARBus Reactor)	-		GE	Available	30%	5%					Nov'18	Award placed in May'16. Engg., supply & civil work under progress
5.12.8	Modification of 132KV Bus arrangement incl. Switchgear to Double Main Scheme at 220/132 KV Birpara S/S	-		Hyosung/ L&T	Available	38%						Nov'18	Award placed in May'16. Engg. & civil work under progress
5.13	Eastern Region Strengthening Scheme-XI		May'16								Nov'18	Nov'18	Compln. Sch. - 30 months from date of investment approval
5.13.1	STATCOM in Rourkela S/stn.	-		Siemens	Available	35%	20%					Nov'18	Award placed in May'16. Engg., supply & civil work under progress
5.13.2	STATCOM in Ranchi (New) S/stn.	-		Siemens	Available	20%	5%					Nov'18	Award placed in May'16. Engg., supply & civil work under progress
5.13.3	STATCOM in Kishanganj S/stn.	-		Siemens	Available	20%	5%					Nov'18	Award placed in May'16. Engg., supply & civil work under progress
5.13.4	STATCOM in Jeypore S/stn.	-		Siemens	Available	25%	10%					Nov'18	Award placed in May'16. Engg., supply & civil work under progress
5.14	Eastern Region Strengthening Scheme-XVII (Part-A)		Jul'17								Nov'17	Nov'17	Compln. Sch. - 16 months from date of investment approval
5.14.1	Extn. at 400/220KV Daltonganj S/stn. (2x160, 220/132/33KV, 3 Ph. (ICTs)	2x160		Siemens	Available	40%	20%		1			Nov'17	Award placed in Jul'16. Engg., supply & civil work under progress.
5.15	Eastern Region Strengthening Scheme-XVII (Part-B)		Feb'17								Jun'19	Jun'19	Compln. Sch. - 28 months from date of investment approval
5.15.1	Extn. at 400/220KV Gaya S/stn.	500			Available							Jun'19	Award under progress.

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5.15.2	Extn. at 400/220KV New Siliguri S/s (3rd ICT)	315			Available							Jun'19	Award under progress.
5.15.3	Extn. at 400/220KV Durgapur S/stn. (3rd ICT)	315		SPML	Available							Jun'19	Award placed in Mar'17. Engg. in progress.
5.15.4	Extn. at 400/220KV Jeypore S/stn.	630		SPML	Available							Jun'19	Award placed in Mar'17. Engg. in progress.
5.15.5	Extn. at 400/220KV Rourkela S/stn.	630		SPML	Available							Jun'19	Award placed in Mar'17. Engg. in progress.
5.15.6	Repl. of 400/220KV Malda S/st. (2x315MVA to 2x500 MVA)	370		SPML	Available							Jun'19	Award placed in Mar'17. Engg. in progress.
5.16	PG work associated with immediate evacuation for North Karanpura Gen. Proj. of NTPC.		Feb'17								Sep'19	Sep'19	Compln. Sch. - Sep'17 & Sep'19 matching with TBCB lines.
5.16.1	Extn. at 400/220KV Gaya S/stn.	-		GE	Available							Sep'19	Award placed in Mar'17. Engg. in progress.
5.16.2	Extn. at 400/220KV Chandwa (Jharkhand Pool) GIS	-		Hyosung	Available							Sep'17	Award placed in Feb'17. Engg. in progress.
5.17	PG work associated with TBCB lines under common Transmission System for Ph-II Gen. Proj. in Odisha.		Mar'17								Mar'19	Mar'19	Compln. Sch. - 24 months from IA matching with TBCB lines.
5.17.1	Extn. at 765/400KV Jharsaguda (Sundergarh) S/stn.	-		GE	Available							Mar'19	Award placed in Mar'17. Engg. in progress.
5.17.2	Extn. at 765/400KV Raipur S/stn.	-		GE	Available							Mar'19	Award placed in Mar'17. Engg. in progress.
5.18	PG work associated with Transmission System Strengthening in Indian System for transfer of Power from New HEP's in BHUTAN.		Mar'17								Mar'19	Mar'19	Compln. Sch. - 24 months from IA matching with TBCB lines.
5.18.1	Extn. at 400/220KV Alipurduar S/stn.	-			Available							Mar'19	Bay available at Alipurduar.
5.18.2	Extn. at 400/220KV Siliguri S/stn.	-			Available							Mar'19	Award placed in Mar'17. Engg. in progress.
5.18.3	Extn. at 400/220KV Kishanganji S/stn.	-			Available							Mar'19	Award under progress.
6.0	NORTH EASTERN REGION												
6.1	Transmission System associated with Pallatana gas Based Power Project and Bongaigaon Thermal Power Station (BTPS)		Feb'10/ Jan'16/ Mar'17								Feb'18	Feb'18	Completion Sch. - 34 months from Investment approval.
6.1.1	400/220KV Silchar S/Stn. (New)	2x200		ICSA	Available	99%	99%	99%	2	2		Feb'18	Major part of sub station charged progressively from Mar'12 to Oct'12. Completion of balance work matching with Silcher-Melriat line.
6.1.2	220/132 KV Mokokchung S/Stn. (New)	7x10		Hysoung & GET	Available	Compltd	Compltd	Compltd	2	2		Aug'15	ICT -I (3x10) commissioned in July'15 & ICT-II (3x10) commissioned in Aug'15.

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6.1.3	132KV Melriat Switching Stn. (upgradable to 400KV)				Available	85%	75%	50%				Feb'18	Supply, civil works & erection under progress. Completion matching with line.
6.1.4	Extn. at 132/33 KV Imphal S/Stn.	2x50		JV of PSC & Powercon	Available	Compltd	Compltd	Compltd	2	2		Apr'13	ICT-I commissioned in Mar'13. ICT-II in Apr'13.
6.1.5	220KV Switching station Mariani (New)	-			Available	Compltd	Compltd	Compltd				Mar'13	Station commissioned in Mar'13.
6.1.6	132/33 KV Roing S/Stn.	7x5		Areva	Available	100%	100%	99%	2	2		Sep'17	Works under progress. Completion matching with associated lines. Critical.
6.1.7	132/33 KV Tezu S/Stn.	7x5		Areva	Available	88%	100%	85%	2	2		Sep'17	
6.1.8	132/33 KV Namsai S/Stn.	7x5		Areva	Available	65%	100%	25%	2			Feb'18	
6.1.9	Bay extension at 400 KV Bongaigaon & Purba Kanchan Bari, 132 KV Badarpur (PG), 132 KV Melriat , 132 KV Mokochung (Nagaland), 132KV Ziro (PG) and 132KV Pasighat (Govt. of Arunachal),Hailakandi & Sirkona (AEGCL) Substations.			ICSA/ Areva./ JV of PSC & Powercon	Available	90%	92%	73%				April'12 to Sep'17	Except Melrit, Hailakandi all completed earlier.
6.2	North Eastern Region Strengthening Scheme - III		Sep-15								Dec'17	Dec'17	Completion Sch. - 27 months from IA.
6.2.1	2nd ICT at 400/220KV Bongaigaon S/s.	315		Alstom	Available	35%	30%	25%				Dec'17	Engg., supply, civil work & erection under progress..
6.2.2	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	110		Alstom	Available	32%	25%	20%				Dec'17	Engg., supply, civil work & erection under progress..
6.2.3	Repl. of 220/132KV 2x50 MVA to 2x160 MVA at Balipara S/stn.	220		Alstom	Available	20%	20%	15%				Dec'17	Engg., supply, civil work & erection under progress..
6.2.4	Extn. of 220KV Salakati S/stn.			Alstom	Available	35%	30%	25%				Dec'17	Engg., supply, civil work & erection under progress..
6.3	North Eastern Region Strengthening Scheme - IV		May'16								May'18	May'18	Completion Sch. - 24 months from IA.
6.3.1	Dismantling/Removal of 4x105 MVA ICT at 400/220KV Misa S/stn. & addition of 2x500MVA ICT.	685		Sterling & Willsion/ ABB	Available	10%						May'18	GIS portion award in Jun'16 & AIS portion in Jul'16. Work under progress.
6.3.2	Extn at 400/220KV at Balipara & Bongaigaon (PG) (1x125MVAR Bus Reactor)	-		Sterling & Willsion	Available	10%						May'18	Engg. & civil work under progress..
6.3.3	Up-grading of 132/33KV Imphal S/stn. to 400/132KV, (Installation of 7x105 MVA ICT's & 80 MVAR Bus Reactor.	630		Sterling & Willsion	Available	35%	2%					May'18	Efforts are being made to complete Silchar bay at Imphal early.

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6.3.3	Extn at 400/132KV of Silchar Sub station (PG) including 125 MVAR Bus Reactor.	-		Sterling & Willsion/ ABB	Available	35%	2%					May'18	GIS portion award in Jun'16 & AIS portion in Jul'16. Work under progress. Efforts are being made to complete Imphal bay at Silchar early.
6.4	North Eastern Region Strengthening Scheme - VII		Jul'16								Jul'18	Jul'18	Completion Sch. - 24 months from IA.
6.4.1	Extn. at 132KV Imphal Sub station.			Sterling & Willsion	Available							Jul'18	Award placed in Jul'16. Engg. in progress.
6.4.2	3rd ICT at 400/132KV Silcher Sub station & (Spare ICT, 200MVA).	315 & 200		Sterling & Willsion	Available	10%	2%					Jul'18	Award placed in Jul'16. Engg., supply & civil work under progress.
6.4.3	Extn. at 400/220KV Mokokchung GIS & 31.5 MVAR Bus Reactor at Mokokchung.			ABB / Sterling & Willsion	Available							Jul'18	Award placed in Jul'16. Engg. in progress.
6.4.4	Extn. at 220/132KV Kopli Sub station (Spare ICT, 160 MVA).	160		Sterling & Willsion	Available							Jul'18	Award placed in Jul'16. Engg. in progress.
6.4.5	Extn. at 132/33KV Nirjuli Sub station (Spare ICT, 50MVA).	50		Sterling & Willsion	Available							Jul'18	Award placed in Jul'16. Engg. in progress.
6.4.6	Extn. at 400/220KV Misa Sub station (Spare ICT, 315MVA from Narendra S/s).	315		Sterling & Willsion	Available							Jul'18	Award placed in Jul'16. Engg. in progress.
6.4.7	Extn. at 400/220KV Bongaigaon Sub station (Spare Reactor, 80 & 630 MVAR).	-		Sterling & Willsion	Available	5%						Jul'18	Award placed in Jul'16. Engg. & civil work under progress.

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	TBCB Project - Sub station												
1	<u>Northern Region Strengthening Scheme - XXXI (Part-A)</u>										Jul'17	Jul'17	
	400/220KV Kala Amb Sub station (GIS)	7x105		Siemens	Acquired	96%	95%	85%	7	7		Jul'17	Sub station & FSC packages awarded & Civil work package award in Jan'16. Work under progress.
	40% Series Compensation on 400KV Karcham Wangtoo - Kala Amb (Q) D/C line at Kala Amba ends.			Siemens		75%	90%	70%				Jul'17	Award placed. Work under progress.
2	<u>Transmission System Associated with Gadawada STPPS of NTPC (Part-A).</u>										Nov'17	Nov'17	
	765/400KV Warora Pooling Station	2x1500		Siemens	Acquired	70%	50%	25%				Nov'17	Award pland. Civil work under progress.
3	<u>Transmission System Associated with Gadawada STPPS of NTPC (Part-B).</u>										Jan'18	Jan'18	
	765/400KV Parli Sub station	2x1500		Siemens	Acquired	32%	22%	8%				Jan'18	Work under progress.
4	<u>Beyond Vemaqiri Transmission System</u>				Dec'15						Apr'19	Apr'19	
	765/400KV Chilakularipeta Sub station	7x500		GE	Acquired	2%						Apr'19	Award placed in Dec'16. Work under progress.
	400KV Satenapalli (Narasaraopeta) & Garividi (AP) Sub station			GE	Acquired	1%						Apr'19	Award placed in Dec'16. Work under progress.
	<u>Other Consultancy Project</u>												
	<u>Leh Transmission System</u>										Jan'17	Sep'17	
	220/66 KV Drass Sub station	4x16.67		KEC	Acquired.	88%	98%	80%				Sep'17	Work under progress.
	220/66 KV Kargil Sub station	7x16.67		KEC	Acquired.							Sep'17	Land handed over by DM in Dec'16. Work commenced.
	220/66 KV Khalsti Sub station	4x16.67		KEC	Acquired.	88%	90%	55%				Sep'17	Work under progress.
	220/66 KV Leh Sub station	7x16.67		KEC	Acquired.	95%	92%	52%				Sep'17	Work under progress.
5	<u>System strengthening for WR. M/s by Sterlite</u>				Mar'11								

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	765/400 kV substation at Bhopal	2x1500										Jul'14	Substation commissioned on 07/2014
	765/400 kV substation at Dhule	2x1500										Nov'14	Substation Commissioned on 11/2014
6	Northern Region System Strengthening Scheme-NRSS-XXIX. M/s by Sterlite		Nov'14										
	400/220 kV S/s 3. GIS at Amargarh	630			Available	80%	84%	5%			Oct'18	Sep'17	
7	Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS. M/s by Sterlite		Jul'16								Sep'19	Mar'18	
	400/220 kV GIS at Kadarpur (Gurgaon)	2x500											
	400/220 kV GIS at Sohna Road (Gurgaon)	2x500											
	400/220 kV GIS at Prithala(Palwal)	2x500											
8	Eastern Region System Strengthening Scheme-		Dec'13										
	400/220 kV Darbhanga GIS with space for future extension	2x500			Available	100%	100%	100%			Jun'16	Apr'17	GIS Sub-station successfully charged and presently in commercial operation.
	400/132 kV Motihari GIS with space for future extension	2x500			Available	100%	90%	95%	90%		Jun'16	May'17	
9	Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link . M/s by Essel		Jul'16								Nov'19		Land for Warangal Sub-station is identified and land documents are being collected from land owners.
	765/400 kV Substation at Warangal	2x1500											
10	Additional system strengthening for Sipat STPS. M/s by Adani		Nov'15								Mar'19	Jul'18	Delay in approval of PGCIL & CSPTCL power line crossings.
	765 kV Bay at Sipat s/s										Nov'18	May'17	
11	Additional system strengthening for Chhattisgarh (B). M/s by Adani		Nov'15								Nov'18	Jul'18	
	765 kV Rajnandgaon switching station				Available	88%	89%				Nov'18	Nov'17	

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12	System strengthening for IPPs in Chhattisgarh and other generation projects in western region. M/s by Adani		Nov'15								Mar'19	May'18	
	400/220 kV Morena substation	2x315			Available	43%	23%	0%			May'18	Jan'18	
	400 kV bays (2 nos.) at Vindhyachal STPP switchyard					0%	0%	0%			Jan'19	Nov'17	
	765 kV bays at Sasan UMPP					0%	0%	0%			Nov'18	Aug'17	
13	Transmission System for Patran 400kV S/S. M/s by Techno		Nov'13										
	400/220 kV Patran substation	2x500			Available	100%	100%	100%			May-16	Jun-16	Commissioned 06/16.
14	System strengthening in NR for import of power from North Karanpura and other projects outside NR and system strengthening in WR for import of power from North Karanpura and other projects outside Western Region and also for projects within Western Region. M/s by Reliance.		May'10								Nov'13		Matter with APTEL
	400/220 kV Substation at Gurgaon	2x315											Work is yet to start.
15	Talcher-II Augmentation System. M/s by Reliance		Apr'10										Matter with APTEL
	400/220 kV Behrampur substation	2x315									Oct-12		Work is yet to start.
16	Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC + (ERSS-XXIX). M/s by North Karanpura Transco Ltd.												
	400/220 kV Dhanbad s/s	2x500				0%	0%	0%			May'19		
17	Connectivity system for Khargone TPP. M/s by Khargone											Jul-19	• Detailed Survey Completed. • EPC Contract awarded for Transmission line and Substation
	765/400 kV Khandwa Pooling Station	2x1500											

**MONTHLY PROGRESS REPORT OF INTER-REGIONAL/INTER-STATE TRANSMISSION SCHEMES
(SUBSTATIONS) AS ON 31/05/2017**

क्रमांक Sl. No.	सब स्टेशन का नाम Name of the Sub -Station	एम.वी.ए अनुपात MVA Ratio	भा.स./नि.मं अनुमोदन GoI / BoD Approval	इरेक्शन ठेकेदार Erection Contractor	जमीन की स्थिति Status of land	निर्माण की स्थिति Status of Construction			ट्रांसफार्मर Transformer		संपूर्ति लक्ष्य Completion Tgt.		Remarks
						Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	सप्लाय Supply (Nos)	इरेक्शन Erection	Schedule	प्रत्याशित/ वास्तविकAnt. / Act	
18	Arunachal Pradesh. M/s Dinchang												Bidding process under progress
	400/220 kV Pooling station (GIS) at Dinchang	7X166											
	400/220 kV Pooling station at Rangia /Rowta in Upper Assam	2X500											
19	NER System Strengthening Scheme II. M/s by NER II Transmission Limited.												Name of the successful Bidder: M/s Sterlite Grid 4 Limited
	400/132 kV Surajmaninagar S/S	2x315											
	400/132 kV P.K. Bari S/S	2x315											
20	765 kV System Strengthening Scheme in Eastern Region. ERSS-XVIII M/s. by Medinipur-Jeerat Transmission Limited												Award under progress
	400 kV bays (2 nos.) at Haldia New (NIZ)												
	765/400 kV Medinipur S/S	2x1500											
	765/400 kV Jeerat (New) S/S	2x1500											
	400 kV bays (2 nos.) at Jeerat (WBSETCL)												
21	North Eastern Region Strengthening Scheme (NERSS-VI) M/s by Kohima-Mairani Transmission Limited												Successful Bidder: Kalpataru Power Transmission Ltd.
	400/220 kV Kohima (New) S/S	2x500											