



**Monthly Progress report of Cross border/ Inter-Regional/
Inter–State Transmission Schemes
(As on 31.05.2021)
Government of India
Ministry of Power
Central Electricity Authority
New Delhi**

(Published in fulfilment of CEA's obligation under section 73(i) & (j) of the Electricity Act, 2003)

PART- I: परिषण लाईस TRANSMISSION LINES

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
A.	CROSS BORDER											
1	India-Nepal											
	400 kV DC Muzzafarpur (I) - Dhalkebar (N) by CPTC/NEA	173	CPTC/NEA							Dec'19		400 kV Muzaffarpur- Dhalkebar Line was charged and Synchronised at rated voltage on 11-11-2020.
	400 kV DC Gorakhpur (New) (I) - New Butwal (N) (Planned)	240	Planned									1. NITI Aayog approval has been obtained for construction of Indian portion of 400 kV D/C Gorakhpur - Butwal Transmission line in 50:50 JV between POWERGRID and NEA. 2. POWERGRID Board of Directors has approved the Share Holders Agreement. 3. Letter has been written to NEA to take necessary approval from Govt. of India for Investment in this project.
2	India-Bhutan											
	400KV D/C Jigmeling - Alipurduar line (Q) (india Side)	326	PGCIL			466	466	466	326	Jan'18	Jun'21	Work completed and antitheft charging done on 28.03.21. PLCC installation done at Jigmeling (Bhutan) S/S. Commissioning expected in Jun'21.
3	India-Bangladesh											
	400 kV DC Surajmaninagar (I) - North Comilla (B) by PGCIL / BPDB	54	PGCIL							Jul'21		PROJECT DROPPED

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	400 kV DC Baharampura (I) - Bheramara (B)-2nd link by PGCIL / BPDB	172	PGCIL			247	247	247	172	Feb'20	May'20	Work completed. Both circuit charged upto Indian portion on 07.05.20. Commissioning matching with Bangladesh side readiness.
B. Inter State Transmission System												
1.0	MULTI REGIONAL SYSTEMS (IR Lines*)											
1	North East / Northern Western Interconnector -I Project	5155.82	PGCIL	14719.1	12900.39	6635	6362	6105	4420	Mar'22/ Aug'22	Aug'22	
	Part-A : North East - Northern/ Western Interconnector -I	3697				4668	4668	4668	3697	Sep'16	Sep'16	Part- A, Completed.
	+/- 800KV HVDC Biswanath Chariyali - Agra Bi-pole line*	3506				4369	4369	4369	3506		Oct'15	Line completed & Commissioned in Oct'15 alongwith Pole-I. Pole-II commissioned in Sep'16.
	400KV Balipara - Biswanath Chariyali line	114				165	165	165	114		Sep'15	Line completed in Sep'15 & commissioned on 01.10.15.
	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.
	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.
	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP	723				986	986	986	723	Mar'18	Mar'18	Part- B, Completed.
	400KV D/C Kameng - Balipara line	114				151	151	151	114		Mar'18	Line commissioned in Mar'18.
	400KV D/C Balipara - Bongaigaon line (Quad)	609				835	835	835	609		Oct'14	Line completed in Oct'14 & commissioned on 02.11.14.
	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP	735.82				981	708	451		Mar'22/ Aug'22	Aug'22	Part- C, Completion matching with Lower Subhansari Generation.

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	400KV D/C Lower Subhansiri - Biswanath Chariyali line -I	356.47				474	356	245			Aug'22	Initially work was stalled on a/c of local disturbance/ agitation against big dams. Contract was short closed as generation was not coming. Balance work of line awarded in Dec'20. Stringing work reduced to 0 as destringing to be done for previous strung conductor due to defect. As per communication dated 27.05.21 from NHPC 1st & 2nd Unit schedule preponed from May'23 to Aug'22.
	400KV D/C Lower Subhansiri - Biswanath Chariyali line -II	379.35				507	352	206			Aug'22	Initially work was stalled on a/c of local disturbance/ agitation against big dams. Contract was short closed as generation was not coming. Balance work of line awarded in Dec'20. Stringing work reduced to 0 as destringing to be done for previous strung conductor due to defect. As per communication dated 27.05.21 from NHPC 1st & 2nd Unit schedule preponed from May'23 to Aug'22.
2	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN.	326	PGCIL	808.63	664.1	466	466	466	326	Mar'19/ Dec'19/ Mar'20/ May'20/ Apr'21	Jun'21	
	400KV D/C Jigmeling - Alipurduar line (Q) (india Side)*	326				466	466	466	326		Jun'21	Work completed and antitheft charging done on 28.03.21. PLCC installation done at Jigmeling (Bhutan) S/S. Commissioning expected in Jun'21.
3	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigarh-Pugalur 6000 MW HVDC System	3531	PGCIL	14733.37	11580.84	4773	4773	4773	3531	Nov'19/ May'20/ Apr'21	Jul'21	

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	+/- 800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link*	3531				4773	4773	4773	3531		Sep'20	Line alongwith Pole-I of Bipole-I commissioned in Sep'20. Pole-II commissioned on 09.03.21.
4	North Eastern Region Strengthening Scheme-XII (NERSS-XII)		PGCIL	576.42						Mar'23	Mar'23	Reconductring of lines.
	Re-conductoring of Siliguri – Bongaigaon 400kV D/c line with Twin HTLS conductor										Mar'23	P O Placed for Bay strengthening work and award of conductor package in advance stage.
	Re-conductoring of Alipurduar – Salakati 220kV D/c line with Single HTLS conductor										Mar'23	
	Re-conductoring of BTPS – Salakati 220kV D/c line with Single HTLS conductor										Mar'23	
	Re-conductoring of Dimapur–Imphal 132kV S/c line with Single HTLS conductor										Mar'23	
	Re-conductoring of Loktak–Jiribam 132kV S/c line with Single HTLS conductor										Mar'23	
2.0	<u>NORTHERN REGION</u>											
5	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)	137	PGCIL	1394.52	536.97	130	107	104	93	Jun'19/ Jul'20/ Sep'21	Sep'21	

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	LILO of both ckt of Bawana - Mandola 400KV D/C line at Maharaniabagh (Multi Ckt tower with twin/HTLS Cond.)	120				89	79	79	93		Sep'21	Forest proposal under DPTA & FCA submitted. Forest clearance proposal (FCA) Stage-I issued in Oct'20. Alternate land for CA identified by DDA. DDA handed over encumbrance free land to Forest deptt. Working permission received in Mar'21. DPTA clearance yet to receive. Proposal pending with Minister (F), Delhi since Nov ' 19. Foundation work started but stopped due to COVID lockdown in Delhi, now re-started for pile foundation.
	LILO of one ckt of Bamnauli - Jattikalan 400KV D/C line at Dwarka-I (with twin/HTLS Cond.)	17				41	28	25			Sep'21	Forest proposal under DPTA & FCA submitted. Forest clearance proposal (FCA) Stage-I issued in Dec'20. Alternate land for CA identified by DDA, handed over in Apr'21. Working permission received in May'21. DPTA Proposal pending with Minister (F), Delhi since Apr' 20. Tree cutting work started under FCA area.
6	Northern Region System Strengthening Scheme - XXXV	122	PGCIL	123.91	63.13	181	181	175	83	Aug'18	Jul'21	
	400KV D/C Mohindergarh - Bhiwani line	122				181	181	175	83		Jul'21	6 Tower Erection locations and 18.5 Km stringing are under ROW. District administration help required to resolve ROW.
7	Establishment of 220/22KV GIS at UT Chandigarh along with 220KV D/C line from Chandigarh GIS to 400/220KV Panchkula (PG) Sub station.	48	PGCIL	322.3	201.96	56	53	51	43	Feb'19/ Jun'19/ Apr'20/ Jun'21	Sep'21	

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	220KV D/C UT Chandigarh S/S - Panchkula (PG) S/S line (incl. 9.7 Kms underground cable).	48				56	53	51	43		Sep'21	Work of downstream system (66 KV Cable) under progress by UT Chandigarh. 220 KV Underground cable laying completed. Work held up at 5 locations due to ROW issues. DM, SAS NAGAR issued orders u/s 16 of Indian telegraph act for removal of ROW on 09.11.2020. High Court stayed works on 16.11.2020. Next hearing on 20.08.2021 after repeated adjournments.
8	System Strengthening Scheme in Northern Region - XXXVII	70.2	PGCIL	379.95	232.03	115	112	108	61	Dec'19/ Jun'20/ Jun'21	Sep'21	
	LILO of both ckt of 400KV Dhauliganga - Bareilly (PG) line at Jauljivi	5.4				13	13	13	4		Sep'21	All works completed except stringing at tapping point. Commissioning of line through contingency arrangement was discussed in the NRPC meeting held in Feb'21, same has not been agreed by NRPC, hence line will be commissioned matching with 220 KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh.

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	Diversion of Dhauliganga-Bareilly 400KV D/C line (operated at 220KV) at Bareilly end from Bareilly (UP) to Bareilly (PG) line	16				27	27	27	15		Sep'21	All works completed except stringing at tapping point. Commissioning of line through contingency arrangement was discussed in the NRPC -TP meeting held in Feb'21, same has not been agreed by NRPC-TP from commercial point of view, hence line will be commissioned matching with 220 KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh.
	Disconnection of 220KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljivi S/Stn. at 220KV level	48.8				75	72	68	42		Sep'21	Stage-I forest clearance received on 31.10.19. Working permission received on 23.12.19. 5 no. locs. were affected due to pending Civil Aviation clearance. Revised proposed route submitted to AAI on 14.10.20. AAI vide letter dated 01.12.2020 has issued NOC with restricted height of 1559m. Appeal under shielding clause has been filed on 02.12.2020 as the required top elevation of the tower was more than this height. Appellate Committee on Clearance, AAI in its meeting held on 17.12.2020 directed that transmission line section passing through approach surface of Airport is required to be changed from overhead line to underground cable. Procurement of cable is under progress.
9	Transmission System for Solar Energy Zones in Rajasthan	782	PGCIL	2578.47	1564.28	1072	1072	1070	774	Dec'20/ May'21	Jul'21	
	LILO of both circuits of 765 KV D/C Ajmer-Bikaner line at Bhadla-II PS	527				722	722	722	525		Jul'21	

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	400 KV D/C Bhadla-II PS-Bhadla (PG) line (Twin HTLS)	97				135	135	135	95		Jul'21	
	LILO of both circuits of 765 KV D/C (op. at 400 KV) Fatehgarh (TBCB)-Bhadla (PG) at Fatehgarh-II PS	158				215	215	213	154		Jul'21	
10	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part F1	64	PGCIL	99.76		85	1			Jun'22	Jun'22	
	Removal of LILO of one circuit of Bhadla-Bikaner (RVPN) 400kV D/C line at Bikaner (PG) & Extension of this LILO section from Bikaner (PG) to Bikaner-II PS to form Bikaner-II PS- Bikaner (PG) 400kV D/C line	64				85	1				Jun'22	Survey work in progress.
3.0	<u>WESTERN REGION</u>											
11	<i>Western Region System Strengthening Scheme-XXII</i>	37	PGCIL	54.2	18.2	75	33	19		Mar'23	Mar'23	
	220 kV D/C Navsari (PG) – Bhestan line	37				75	33	19		Dec'20	Aug'21	Delay in finalization of land compensation by local administration which in turn rise of severe ROW at almost all locations. Local and State administration were approached by POWERGRID for intervening and resolving the problem. Forest proposal: 0.945 Ha. Stage-I clearance received.
4.0	<u>SOUTHERN REGION</u>											
12	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III : Pugalur - Trichur 2000 MW VSC based HVDC System	289.4	PGCIL	5070.13	4120.45	408	408	408	289	Apr'20/ Jun'21	Jul'21	

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	320KV HVDC Pugalur - North Trichur (Kerala) line	288				404	404	404	288		Mar'21	Line along with Monopole-2 commissioned on 9th Mar'21.
	LILO of 400KV D/C North Trichur - Cochin line at North Trichur HVDC Station (Q)	1.4				4	4	4	1		Mar'21	Line along with Monopole-2 commissioned on 9th Mar'21.
13	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.	154	PGCIL	219.66	157.33	223	223	223	154	Jul'19/ Jun'20/ Apr'21	Aug'21	
	400KV D/C NNTPS Sw. Yd. - Ariyalur (Villupuram) line	147				213	213	213	147		Aug'21	Line charged in Jul'20 by connecting to one ckt of LILO section of Pugalur - Kalivandapattu 400 kV D/C line near Ariyalur S/s (as bays by TANTRANCO on Deposit work Basis are expected by Aug'21).
	LILO of existing Neyveli TS-II - Pondy cherry 400KV S/C at NNTPS Gen. Yd. (2KMS D/C & 2 Kms M/C)	7				10	10	10	7		Jun'18	Line charged in Jun'18 by cross jumpering at dead end tower near NLC switchyard as associated bays were not ready (under scope of NLC).
14	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II : AC System Strengthening at Pugalur end.	1199	PGCIL	1931.39	1729.09	1695	1693	1693	1147	Feb'20/ Sep'20/ Jun'21	Jul'21	
	400KV D/C Pugalur HVDC Station - Pugalur line (Q)	100				138	138	138	100		Sep'20	Line commissioned in Sep'20.
	400KV D/C Pugalur HVDC Station - Arasur line (Q)	118				162	162	162	118		Sep'20	Line commissioned in Sep'20.
	400KV D/C Pugalur HVDC Station - Thiruvallam line (Q)	782				1109	1109	1109	743		Jul'21	Severe ROW issue in Kalaikurchi & Tiruvannamalai districts in Tamil Nadu. Being resolved with the support of district administration. However progress is slow due to lockdown on account of COVID Pandemic.

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	400KV D/C Pugalur HVDC Station -Edayarpalayam (TANTRANSCO) line (Q)	105				149	148	148	92		Jun'21	Severe ROW issue in Tamil Nadu. Work restarted with help of police protection however progress is slow due to lockdown on account of COVID Pandemic.
	400KV D/C Edayarpalayam (TANTRANSCO)- Udumulpet line (Q)	94				137	136	136	93.8		Jun'21	Due to non-readiness of Edyarpalayam S/s of Tantranso, line shall be charged as Pugalur - Udumulpet line.
5.0	<u>EASTERN REGION</u>											
15	Eastern Region Strengthening Scheme-XV	204	PGCIL	454.11	344.79	291	291	291	203.9	Apr'18/ Jan'20/ Apr'20/ Mar'21	Jul'21	
	400KV D/C Farakka - Baharampur Line (Twin HTLS)	164				229	229	229	164		Sep'18	Line completed in Aug'18 & commissioned in Sep'18.
	LILO at 400KV S/C Farakka - Jeerat line at Sagardighi	38				54	54	54	38		Jul'18	LILo line completed in Jul'18 & commissioned in Aug'18.
	LILo at 400KV S/C Sagardighi - Subhasgram line at Jeerat	2				8	8	8	1.9		Jul'21	All works completed except jumpering. Shutdown awaited from ERLDC/WBPTCL.
	Removal of the existing LILo of Farakka - Jeerat S/C line at Baharampur										Aug'18	Completed in Aug'18.
16	Eastern Region Strengthening Scheme-XVII (Part-B)	63	PGCIL	235.53	152.55				42	Jun'19/ Sep'20/ Aug'21	Jul'21	
	Re-conductoring of Maithon RB - Maithon 400KV D/C line	63							42		Jul'21	Shutdown received from 25.11.2020. Work restarted. Shutdown withdrawn from 01.05.21 by WBPTCL/ERLDC.
17	Eastern Region Strengthening Scheme - XX	222	PGCIL	358.83	256.45				222	May'20/ May'21	Jul'21	Compln. Sch.- 30 months from IA.

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	Re-conductoring of Rangpo - New Siliguri 400KV D/C line (The existing Twin ACSR Moose line to be re-conductored with Twin HTLS conductor)	220							220		Mar'21	Commissioned on 29.03.21.
	Re-conductoring of New Purnea - Purnea 220KV D/C line (The existing New Purnea (400/220KV) - Purnea (220/132KV) 220KV D/C line needs to be re-conductored with Single HTLS conductor)Twin ACSR Moose line to be re-conductored with Twin HTLS conductor)	2							2		Dec'19	Re-conductoring work completed & charged.
18	TS for transfer of Power from Gen. Proj. in Sikkim to NR/WR (Part-B1)	24	PGCIL	75.39	61.66	35	35	35	22	Jun'20/ Nov'20	Jul'21	Compln. Sch.- 30 months from IA.
	LILO of IInd Ckt of Teesta III - Kishanganj 400KV D/C line at Rangpo (Q)-Twin HTLS cond.	24				35	35	35	22		Jul'21	Award placed in Dec'17. Major portion of line is in forest (40 Ha-12 km.), Forest stage-I approval received in Jan'19. Working permission received in Mar'19. Delay in tree enumeration & tree felling. Slow progress due to undulated hilly terrain, head loading of tower members due to non-availability of road, progressively making of approach road to reach the working site & local ROW.
19	Eastern Region Strengthening Scheme - XXIII	84.34	PGCIL	239.89	92.93	127	106	77		Jun'21	Jul'21	Compln. Sch.- 11 months from IA.
	LILO of Kishanganj (POWERGRID) – Darbhanga (DMTCL) 400 kV D/C (Quad) line at Saharsa (New)	78				114	93	68			Jul'21	Severe RoW being faced in the Saharsa distt.

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	Bypassing of Farakka – Kahalgaon (ckt-3 & ckt-4) and Farakka – Durgapur 400 kV D/C lines of POWERGRID so as to form Kahalgaon – Durgapur 400 kV D/C line	6.34				13	13	9			Jul'21	Severe RoW being faced in the Farakka distt.
20	Transmission system for power evacuation from Arun-3 (900MW) HEP, Nepal of M/s SAPDC-Indian Portion	78	PGCIL	179.29						Apr'23	Apr'23	
	400 KV D/C (Quad Moose) Sitamarhi (POWERGRID) – Dhalkebar (Nepal) Transmission Line (Indian Portion)	78								Apr'23	Apr'23	Awarded in May'21. Engg. and survey work under progress
	<u>NORTH EASTERN REGION</u>											
21	PG works associated with North Eastern Region Strengthening Scheme -V	46	PGCIL	22.17	72.35	77		77	45	Apr'20/ Sep'20	Jun'21	
	Additional 400KV D/C line at Palatana S/stn. & Surajmaninagar S/stn. end for termination of Palatana - Surajmaninagar 400KV D/C line	24				43	43	43	23		Jun'21	Work has been affected due to COVID-19 pandemic. Further, due to change in location of substation under TBCB, line (Length) scope of work at Surajmaninagar end changed from 2.0 Km to 12 Km. Therefore, work at Surajmaninagar end is re-awarded in Aug'20. All works completed. S/D required for connecting last section. Clearance not received from
	Additional 400KV D/C line at P.K.Bari S/stn. & Silchar S/stn. end for termination of P.K. Bari - Silchar 400KV D/C line	22				34	34	34	22		Mar'21	Line charged on 09.03.21.
22	PG works associated with North Eastern Region Strengthening Scheme - VI	2	PGCIL	215.95	124.5	7		7		May'20/ Apr'21	Jun'21	
	Disconnection of Mariani-Misa 400KV line (presently operated at 220KV) from mariani and termination of the same at 400KV Bus at both New Mariani and Misa S/stn. and operation of the resultant New Mariani (PG) Misa line at 400KV (Both Ckts)	2				7	7	7	2		May'21	Charged on 06.05.21.

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23	North Eastern Region Strengthening Scheme-X	67	PGCIL	40.84		113				Feb'22	Feb'22	
	132 kV D/C Roing (PG) - Chapakhowa (AEGCL) line	67				113					Feb'22	Awarded in Apr'21.
24	North Eastern Region Strengthening Scheme-XIV	16	PGCIL	74.91		29				Feb'22	Feb'22	
	LILO of 400 kV D/c Palatana - Surajmaninagar (ISTS) line at 400 kV Surajmaninagar (TSECL) S/s	16				29					Feb'22	Awarded in Mar'21.
	TBCB Lines											
1	Eastern Region strengthening Scheme - XVIII	1313				1771	1710	1671	1139	Jul'20/ Dec'20	Jul'21	
	765KV D/C Ranchi (New) - Medinipur line	538				718	718	718	538		Feb'21	Commissioned on 09.02.21.
	765KV D/C Medinipur - Jeerat (New) line	338				461	461	461	338		Jun'21	Physical work of the line completed. Commissioning matching with the completion of Jeerat substation.
	400KV D/C Jeerat (New) - Subhashgram line	214				312	251	212	64		Jul'21	Severe ROW being faced.
	400KV D/C Jeerat (New) - Jeerat (WBSETCL) line	51				81	81	81	51		Jun'21	Physical work of the line completed. Commissioning matching with the completion of Jeerat substation.
	LILO of 400KV D/C both ckt of Chandithala - Kharagpur at Medinipur	148				199	199	199	148		Feb'21	Commissioned on 09.02.21.
	LILO of 400KV S/C Jeerat (WBSETCL) - Subhashgram at Rajarhat (PG)	24										Line deleted from scope.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
2	Eastern Region Strengthening Scheme - XXI	487.14				671	671	669	475.94	Mar'21/ Aug'21	Jul'21	Compln. Sch:- 38 month from date of SPV (SPV acquired on 12.01.18).
	400KV D/C Darbhanga - Sitamarhi (New) line (Triple Snowbird)	160				221	221	221	160	Jan'21/ Jun'21	Apr'21	Line commissioned w.e.f. 12.04.21.
	400KV D/C Sitamarhi (New) - Motihari line (Triple Snowbird)	171.34				230	230	230	171	Jan'21/ Jun'21	Apr'21	Line commissioned w.e.f. 23.04.21.
	LILO of both ckt of Nabinagar-II - Gaya 400KV D/C (Q) line at Chandauti	6				9	9	9	6	Mar'21/ Aug'21	Mar'21	Commissioned on 11.03.21.
	LILO of both ckt of Kishanganj - Patna 400KV D/C (Q) line at Saharsa	149.8				211	211	209	138.6	Mar'21/ Aug'21	Jul'21	Progress is getting severely affected due to water logging. Work has also been affected due to COVID-19 pandemic.
3	WR - NR Interconnector	379				521	521	519	355.5	Jul'21/ Dec'21	Jul'21	
	765KV D/C Vindhyachal - Varansai line	379				521	521	519	355.5		Jul'21	Stage -I forest clearance of UP portion obtained on 14.09.20. Working permission for Mirzapur division received on 29.10.20. Wildlife proposal cleared by NBWL. NBWL in their clearance advised to cross river using 765 kV U/G Cable. Technology is not available world wide. Matter was taken up with SBWL/ NBWL and clarification in this regard issued on 17th June'20. In MP portion, delay in tree felling by forest deptt. also affected foundation works. Presently tree felling in stringing stretches are in progress.
4	Transmission System associated with LTA application from Rajasthan SEZ (Part -A)	268				359	359	359	268	Dec'20/ May'21	May'21	SPV handed over to POWERGRID on 03.10.2019.
	Ajmer (PG) – Phagi 765kV D/c line	268				359	359	359	268		May'21	Commissioned in May'21.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
5	Transmission System associated with LTA application from Rajasthan SEZ (Part -B)	374				508	508	508	374	Dec'20/ May'21	Jul'21	SPV handed over to POWERGRID on 16.10.2019.
	Fatehgarh-2 –Bhadla -2 765kV D/c line	374				508	508	508	374		Jul'21	Final checking under progress.
6	Transmission System associated with LTA application from Rajasthan SEZ (Part -C)	448				602	599	593	347	Dec'20/ May'21	Jul'21	SPV handed over to POWERGRID on 29.08.2019.
	Khetri– Jhatikara 765kV D/c line	292				395	393	389	210		Jul'21	Severe ROW being faced. Delhi forest clearance awaited.
	Khetri – Sikar (PG) 400kV D/c line AL59 (Twin)	156				207	206	204	137		Jun'21	Severe ROW being faced.
7	Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat	212				284	164	131	28.02	Dec'20/ May'21	Jul'21	SPV transferred in Oct'19.
	Reconfiguration of Bhuj PS – Lakadia PS 765kV D/c line so as to establish Bhuj-II –Lakadia 765 kV D/C line as well as Bhuj-Bhuj-II 765kV D/C line	212				284	164	131	28.02		Jul'21	Initial delay in handing over of SPV from BPC to POWERGRID. Work has been affected due to COVID-19 pandemic. Progress also affected because of very heavy rain fall in Gujarat in Aug/Sep'20. Severe RoW because of delay in finalization of compensation rate by local administration. Recently compensation orders issued by local administration after joint hearing with POWERGRID & Villagers. Due to serious RoW, survey of 16 km line route spreaded in two villages near Bhuj-II
8	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part A	188				242	23			Sep'22	Sep'22	SPV transferred in Mar'21.
	Ramgarh-II SEZ PP-Fatehgarh-II 400kV D/c line (Twin HTLS)	88				114	10				Sep'22	Awarded in Mar'21.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	Ramgarh-II-Jaisalmer-II (RVPNL) 400kV D/c line (Twin HTLS)	100				128	13				Sep'22	Awarded in Mar'21.
9	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part F	1336				1028	21			Sep'22	Sep'22	SPV transferred in Mar'21.
	Bikaner-II PS – Khetri 400kV 2xD/c line (Twin HTLS* line on M/c tower)	1088				703	21				Sep'22	Awarded in Mar'21.
	Khetri - Bhiwadi 400kV D/c line (Twin HTLS)	248				325					Sep'22	Awarded in Mar'21.
10	Connectivity system for Khargone TPP.		Khargone Transmission Ltd.	2136	1533					Jul'19		
	LILO of one ckt of Khandwa - Rajgarh 400kV D/C line at Khargone TPP	14				21	21	21	14	Feb'18	Feb'18	commissioned 02/18
	400 kV D/C Khargone TPP Switchyard – Khandwa pool (Quad) line	50				66	66	66	50	Jul'19	Mar'20	commissioned 03/20
	765kV D/C Khandwa Pool – Indore line	180				243	243	243	180	Jul'19	Mar'20	commissioned 03/20
	765 kV D/C Khandwa Pool – Dhule line	379				492	476	475	350	Jul'19	Nov'21	Work stopped due to passing of line through submergence area of proposed Jamphal Dam in Maharashtra. A meeting was held on 12-02-2021 by the Committee being constituted by Ministry of Power under the chairmanship of Member (Power Systems), CEA and as directed by Committee, KTL had submitted the Undertaking on 17-02-2021 and the NOC was granted by Irrigation Dept on 23-02-2021. The construction work on the diverted route has been started but the TSP is facing severe RoW issues by the local people.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
11	Additional 400kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool		Goa-Tamnar Transmission Project Limited	1531	186					Nov'21		
	LILO of one ckt of Narendra (Existing) - Narendra (New) 400kV D/C Quad line at Xeldem	187.35				233	2			Nov'21	Dec'22	<p>1. Delay in grant of Forest clearance for Diversion of 177.091 Ha of forest land. State Govt had returned the proposal to nodal officer seeking the details that whether the user agency is utilizing the corridor of existing 110kV line or not at possible extent.</p> <p>2. Delay in grant of Wildlife clearance for Diversion of 33.273 Ha of wildlife area. The Proposal is pending with Govt of Karnataka and has to be approved by SBWL, Karnataka. State Govt had returned the proposal to nodal officer seeking the details that whether the user agency is utilizing the corridor of existing 110kV line or not at possible extent.</p> <p>3. Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19</p> <p>4. The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa. 5. Central Empowered Committee (CEC) has submitted their report to Supreme Court on 23rd April 2021 and has recommended some modifications in line with CEA and CED have to give</p>

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	Xeldem - Mapusa 400kV D/C Quad Line	109.6				149	27	7		May'21	Apr'22	1.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 2.The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa. Central Empowered Committee (CEC) has submitted their report to Supreme Court on 23rd April 2021 and have cleared 400kV D/C Xeldem – Mapusa Line. 3.Working (Tree cutting) permission is awaited.
	Dharamjaygarh Pool Section B - Raigarh (Tamnar) Pool 765kV D/C Line	137				179	86	47		Jul'21	Dec'21	1.Delay in grant of forest clearance for Diversion of 137.014 Ha of Forest land. Forest proposal has been forwarded by Govt of Chhattisgarh to Regional MoEFCC and the same was discussed in the REC Meeting held on 24-03-2021 and Stage-I clearance has been issued. Tree cutting permission is awaited 2.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	Xeldem (existing) – Xeldem (new) 220kV D/C line	40				62				May'21	Apr'22	1.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 2.The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa. Central Empowered Committee (CEC) has submitted their report to Supreme Court on 23rd April 2021 and have cleared 220kV D/C Xeldem – Xeldem Line 3. Working permission is awaited from Forest Department, Govt of Goa.
12	Establish Transmission System for 400 kV Udupi (UPCL) – Kasargode D/C Line		Udupi Kasargode Transmission Limited.(Sterlite Grid 14 Limited; a subsidiary of Sterlite Power Transmission Limited)	754.87	12					Nov'22		

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						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	Mangalore (Udupi PCL) – Kasargode 400kV (Quad) D/c line	230.94				310	18			Nov'22	Mar'22	1.Due to ongoing pandemic situation, the construction work, Manufacturing & Delivery of materials and resource mobilization are getting impacted 2.Facing Delay in getting Forest and Statutory clearances (Power line, NH crossing etc) . 3.Appointment of nodal officer for administrative support in the State of Karnataka is pending with Energy / Chief Secretary for resolution of ROW issues.
13	Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)		Vapi II-North Lakhimpur Transmission Limited Sterlite Grid 13 Limited (A Subsidiary of Sterlite Power Trans. Limited)	2000	33							
	LILO of second circuit of Zerda –Ranchodpura 400 kV D/c line at Banaskantha (PG) PS	35				51				Oct'22		The Approval for obtaining Non-Agriculture permission under Section 65(b) of Gujarat Land Revenue Act is pending with District Collector office, Valsad.
	LILo of KAPP – Vapi 400 kV D/c line at Vapi – II	12				19				Apr'23		
	Vapi-II – Sayali D/C 220kV D/C line	44				74	11			Apr'23		
	Padghe (PG) – Kharghar 400 kV D/c (quad) line to be terminated into one ckt. of Kharghar – Ghatkopar 400 kV D/c (quad) line (thus forming Padghe (PG) - Kharghar 400 kV S/c (quad) line, Padghe (PG) - Ghatkopar 400 kV S/c (quad) line)	140				205				Dec'23		

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	LILO of Padghe (PG) – Ghatkopar 400kV S/c line at Navi Mumbai GIS (PG)	38				60				Dec'23		
	LILO of Apta – Kalwa/Taloja 220 kV D/c line (i.e. Apta – Kalwa and Apta Taloja 220kV lines) at Navi Mumbai (PG)	6				16				Dec'22		
	Pare HEP (NEEPCO) (from near LILO point)– North Lakhimpur (AEGCL) 132 kV D/c line (with ACSR Zebra conductor)	59				91				Jun'23		
	LILO of one circuit of Pare HEP – North Lakhimpur (AEGCL) 132kV D/c line (with ACSR Zebra) at Nirjuli (POWERGRID) substation	31				51				Jun'23		
14	WRSS – 21 Part – B – Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS		Lakadia – Vadodara Transmission Project Limited; Sterlite Grid 18 Limited(A Subsidiary of Sterlite Power Trans. Limited)	2100	359					Dec-20		
	Lakadia – Vadodara 765kV D/c line	658				810	439	206		Dec-20	Dec'21	Facing severe RoW issues
15	Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link.		Warora Kurnool Transmission Ltd.	4805	1725					Nov-19	Oct'22	CERC issued the order on 27th January, 2021 and Granted approval for transfer of 100% shareholding/ any other securities held by Essel Infra or its affiliates (including that which is held under pledge by the Lenders) in WKTL in favour of ATL (Adani Transmission Limited) by execution of Share Purchase Agreement.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	765 kV D/C Warora-Warangal (hexa) Line	664				844	774	425	58.6	Nov'19	Oct'22	Ministry of Power(MoP) vide their letter No. 7/1/2017-Trans dated 16.04.2020 conveyed the following.: 1. MoP, GoI has decided that M/s WKTL, the developer of Warora-Warangal 765 kV D/C Transmission Line is required to complete the balance works in above line as per the original approved route in the coal bearing area of WCL involving 16 towers without any further delay and also to comply all other decisions of MoP conveyed as per above letter dated 16.04.2020. Further, WKTL is required to complete all the elements in the above Scheme within the framework of the contractual obligations. It is also requested that the latest status and implementation schedule of all the elements of above line may be conveyed to CEA at the earliest. 2. Lead Long Term Transmission Customer(LTTC), i.e., TANGENDCO Ltd, is requested to take necessary action as per TSA to ensure that there is no further delay in completion of the above project. M/s WKTL is also advised that in case of any constraints in completion of the above project as per established procedure, the
	765 kV D/C Warangal – Hyderabad (hexa) Line	268				344	312	247		Nov'19	Oct'22	Severe Row issue.Impact of 2nd wave of covid-19.
	765 kV D/C Hyderabad – Kurnool (hexa) Line	337				430	337	183		Nov'19	Oct'22	Severe Row issue.Impact of 2nd wave of covid-19.
	765 kV D/C Warangal – Chilakaluripeta (hexa) Line	390				510	446	341		Nov'19	Oct'22	Severe Row issue.Impact of 2nd wave of covid-19.
	765 kV D/C Warangal – Warangal (hexa) Line	96				126	9			Nov'19	Oct'22	Impact of 2nd wave of covid-19.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
16	System strengthening in northern region (NRSS XXXVI) along with LILO of Sikar-Neemrana 400 kV D/C line at Babai(RVPNL). By M/s Essel.		NRSS XXXVI Transmission Ltd.	437	275					Dec-19		Transmission Line Route survey work is completed. - Detail survey of 400 kV D/C Babai-Bhiwani and Koteshwar-Rishikesh Transmission Line is under progress. -Civil work at Babai Sub-station is in progress.
	400 kV D/C Rishikesh – Koteshwar (twin) Line	81				106	26			Dec'19		To obtain the necessary long pending NOC from the Government of Uttarakhand for the IDPL land, a meeting was convened by the chairman, CEA on 16th March 2020 at its office along with representative from Ministry of Power, Ministry of Forest and Environment, Tourism Department of Uttarakhand Government, Power Transmission Corporation of Uttarakhand (PTCUL), Indian Drug and Pharmaceutical Limited (IDPL), M/s E&Y (Consultant to GoUK) and NRSS-XXXVI Transmission limited (NTL). A DO letter dated 22/02/2021 was sent to Chief Secretary, Uttarakhand by JS, MoP requesting to expedite the issuing of NoC. On 17.4.2021 Uttarakhand Tourism department advised NTL to explore further for TL route & proposed new TL route.
	LILO of one ckt of 400 kV D/c Sikar (PG) – Neemrana (PG) line at Babai	3				6	6	6	3	Dec'16	Oct'17	Commissioned 10/17.
	Babai (RRVPNL) – Bhiwani (PG) D/C line	221				304	273	248	74	Jun'19		Severe RoW issues. Court cases.
17	Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC (ERSS-XXIX).		North Karanpura Transco Ltd	472						23 months from the NOC from CCL		Authorization on CCL / MoC suggested route received on 05.11.2019.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	400kV D/C North Karanpura – Gaya line (Q) (only Double Circuit portion)	196				286	137	113	35.5			<ul style="list-style-type: none"> Revised schedule completion date: 23 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 300 days). RoW issues. In meeting called by CEA on 16.03.20, Addl. PCCF, Forest, Govt. of Jharkhand informed that timeline for proposal movement will be committed in next meeting. The review meeting held on 11-11-20 & 10-02-21 wherein Joint Secretary (Trans), Ministry of Power has reviewed the Status For FRA, Gram Sabha for all 51 nos. villages completed and SDLC meeting awaited in some block.
	400kV D/C North Karanpura – Chandwa (Jharkhand) Pooling Station line (Q) (including Multi-circuit portion)	102				115	74	74	21.5			<ul style="list-style-type: none"> Revised schedule completion date: 14 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 200 days) The review meeting held on 11-11-20 & 10-02-21 wherein Joint Secretary (Trans), Ministry of Power has reviewed the Status
	LILO of both circuits of Ranchi – Maithon-RB 400kV D/c line at Dhanbad	4.8				10	6	2		May'21	Jun'21	<ul style="list-style-type: none"> Revised schedule completion date: 18 months from date of NOC from CCL/MoC. Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site.
18	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani		Fatehgarh Bhadla Transmission Ltd.	624						Sep'19	May'21	<ul style="list-style-type: none"> May'21, however, it can be ascertained only once Status Quo order from Hon'ble High Court vacated.

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	765 kV D/C line Fatehgarh Pooling sub-station - Bhadla (PG)	292				405	405	405	292	Sep'19	Jun'21	Work Completed and Anti-theft charged on 30-03-21.
19	Transmission System Associated with LTA applications from Rajasthan SEZ Part-D		Bikaner-Khetri Transmission Limited	1630						Dec'20		
	Bikaner (PG) – Khetri S/S 765 kV D/C line.	478				621	618	602	396.84	Dec'20	Jun'21	Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site.
20	Transmission System for Western Region Strengthening Scheme – 21 (WRSS – 21) Part – A – Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS		WRSS XXI(A) Transco Limited	1090						Dec'20		
	Bhuj PS – Lakadia PS 765 kV D/C line	214				280	220	129	2.147	Dec'20	Nov'21	Severe RoW. Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site
	LILO of Bhachau – EPGL line 400 kV D/C (triple) line at Lakadia PS.	76				119	70	40		Dec'20	Nov'21	Severe RoW. Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site
21	Transmission System for Transmission System Associated with RE Generations at Bhuj-II, Dwarka & Lakadia		Lakadia Banaskantha Transco Limited	1052							Jun'21	
	Lakadia PS – Banaskantha PS 765kV D/c line	352				473	384	293	70	Jun'21	Nov'21	a) Severe ROW b) Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site

Sl. No.	Name of Project/Name of element	Length (CKM)	Executing Agency	Sanctioned Cost	Financial Progress upto prev. month (May'21)	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
						Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
22	Transmission System for Jam Khambaliya Pooling Station and Interconnection of Jam Khambaliya Pooling Station for Providing Connectivity to RE Projects (1500 MW) in Dwarka (Gujarat) and Installation of 400/220 kV ICT along with Associated Bays at CGPL Switchyard		Jam Khambaliya Transco Limited	394							Jun'21	
	Extension of Essar-Lakadia/Bhachau 400 kV D/C (triple snowbird) line upto Jam Khambaliya PS.	38				52	33	21		Mar'21	Aug'21	Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site

Note: As per Ministry of Power, Govt. of India circular no. 3/1/2020-Trans dated 27th July, 2020, all inter-state projects whose SCOD is beyond 25th March, 2020 and which were under construction on 25th March, 2020, have been given an extension of 5 months in respect of SCOD. Works severely affected in all projects during the first phase of COVID and also in the second phase of COVID.

PART- II: सब स्टेशन SUBSTATION

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
MULTI REGIONAL SYSTEMS										
1	North East / Northern Western Interconnector -I Project		PGCIL					Mar'22/ Aug'22	Aug'22	
	Part-A : North East - Northern/ Western Interconnector -I							Sep'16	Sep'16	Part- A, Completed.
	400/132KV Biswanath Chariyali Pooling Station	2x200		Acquired	100%	100%	100%		Jan'16	Sub station along with ICT-II commissioned in Oct'15 & ICT -I in Jan'16.
	HVDC Rectifire Module at Biswanath Chariyali (3000MW)			Acquired	100%	100%	100%		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	HVDC Rectifire Module at Agra (3000MW)			Acquired	100%	100%	100%		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	Aug. of 400KV Agra S/Stn.	1x315		Available	100%	100%	100%		Jan'16	Commissioned in Jan'16.
	Extn. of 400KV Balipara S/Stn.			Available	100%	100%	100%		Sep'15	Commissioned.
	Extn. of 132KV Biswanath Chariyali S/Stn.			Available	100%	100%	100%		Sep'15	Commissioned.
	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP							Mar'18	Mar'18	Part- B, Completed.
	2nd ICT of 400/220KV Misa S/Stn.	1x315		Available	100%	100%	100%		Jun'12	Commissioned in Jun'12.
	Extn. of 400KV Balipara S/Stn.			Available	100%	100%	100%		Mar'18	Bongaigaon bay commissioned in Oct'14. Balance in Mar'18.
	Extn. of 400KV Bongaigaon S/Stn.			Available	100%	100%	100%		Oct'14	Commissioned
	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP							Mar'22/ Aug'22	Aug'22	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Extn. 400KV at Biswanath Chariyali Pooling stn.			Available	95%	95%	95%		Aug'22	Commissioning matching with line (earlier line work stalled due to agitation against big dam, Now balance work awarded. As per communication dated 27.05.21 from NHPC 1st & 2nd Unit schedule preponed from May'23 to Aug'22.
2	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN		PGCIL					Mar'19/ Dec'19/ Mar'20/ May'20/ Apr'21	Jun'21	
	Extn at 400KV bays at Alipurduar S/stn.			Available	100%	100%	100%		Jun'21	Bay completed. Line charged under antitheft. PLCC installation done at Jigmeling (Bhutan) S/S. Commissioning expected in Jun'21.
3	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigarh-Pugalur 6000 MW HVDC System		PGCIL					Nov'19/ May'20/ Apr'21	Jul'21	
	800KV HVDC Raigarh Station with 6000 MW HVDC Terminal			Acquired	99%	99%	99%		Jul'21	Pole-I & Pole-II (1500 MW each) of Bipole-I commissioned in Sep'20 and Mar'21 respectively. Progress has been affected due to COVID-19 pandemic. Balance poles are expected to be completed progressively by Jul'21.
	800KV HVDC Pugalur Station with 6000 MW HVDC Terminal			Acquired	99%	99%	99%		Jul'21	Pole-I & Pole-II (1500 MW each) of Bipole-I commissioned in Sep'20 and Mar'21 respectively. Progress has been affected due to COVID-19 pandemic. Balance poles are expected to be completed progressively by Jul'21.
4	POWERGRID works associated with additional 400 KV feed to Goa		PGCIL					Sep'21/ Feb'22	Sep'21	Compln Sch. : 30-36 months from IA.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	400 KV Extn. at Mapusa sub station (02 nos. 400 KV line bays for termination of Xeldem-Mapusa 400 KV D/C (Q) line (under TBCB))			Available	98%	98%	95%	Mar'21/ Aug'21	Jun'21	Work has been affected due to COVID-19 pandemic. Transmision line by Sterlite Grid 5 Ltd. associated with this bay extension is delayed.
	400 KV Extn. at Narendra (New) (Kudgi-GIS) sub station (1x80 MVAR, 420 KV LR along with 500 ohms NGR for Narendra (New)-Xeldem 400 KV (Q) line formed after LILO of one ckt of Narendra (Existing)-Narendra (New) 400 KV D/C (Q) line at Xeldem)			Available	99%	99%	80%		Sep'21	
5	POWERGRID works associated with New WR-NR 765 KV Inter-Regional Corridor		PGCIL					May'21/ Oct'21	Jul'21	
	2 nos. 765 KV line bays at Vindhyaachal Pooling Station (associated with 765 kV Varanasi-Vindhyanchal line under TBCB route).			Available	100%	100%	100%		Jul'21	Bay test charged on 08th and 12th April'21. Commissioning shall be matched with associated line.
	2 nos. 765 KV line bays along with 2x330 MVAR LR (non-switchable) at Varanasi GIS (associated with 765 kV Varanasi-Vindhyanchal line under TBCB route).			Available	98%	98%	98%		Jun'21	Testing under progress. Works affected due to COVID second wave.
6	System Strengthening Schemes at Tuticorin-II (erstwhile Tirunelveli GIS) and Bhuj PS		PGCIL					Jun'20/ Apr'21	Jul'21	Compln Sch. : 15-19 months from IA.
	Part-A: Augmentation at 400/230 KV Tuticorin-II (GIS) S/S (500 MVA 400/220 KV transformer & associated bays (GIS))	500		Available	100%	99%	96%	Feb'20	Jul'21	ICT ready for commissioning however development of common facility affected due to non supply of GIS duct on account of COVID-19 restrictions.
	Part-B: Augmentation at 765/400/220 KV Bhuj S/S (2x1500 MVA 765/400 KV transformer & 16 nos. bays (AIS:11, GIS:5) 6x500 MVA 400/220 KV transformer)	6x500 & 2x1500			100%	100%	100%	Jun'20/ Apr'21	May'21	2 nos. 500MVA 400/220 kV ICT commissioned in Oct'19. 3rd 400 kV ICT also commissioned in Sep'20. Rest of the ICTs i.e. 3 nos. 400 kV and 2 nos. 765 kV ICT banks commissioned in May'21.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
7	North Eastern Region Strengthening Scheme-XII (NERSS-XII)		PGCIL					Mar'23	Mar'23	Bay strengthening work due to re-conductoring of lines (HTLS).
	Extension at Siliguri (POWERGRID) S/s			Available					Mar'23	
	Extension at Bonagaigaon (POWERGRID) S/s			Available					Mar'23	Under award.
	Extension at Alipurduar (POWERGRID) S/s			Available					Mar'23	
	Extension at Salakati (Bonagaigaon) S/s			Available					Mar'23	Awarded in May'21.
	Extension at BTPS S/s			Available					Mar'23	Awarded in May'21.
	Extension at Imphal S/s			Available					Mar'23	Awarded in May'21.
	Extension at Dimapur S/s			Available					Mar'23	Being implemented under NERSS-VIII.
	Extension at Leimatak (Loktak) S/s			Available					Mar'23	Awarded in May'21.
	Extension at Jiribam S/s			Available					Mar'23	Being implemented under NERSS-VIII.
	NORTHERN REGION									
8	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)		PGCIL					Jun'19/ Jul'20/ Sep'21	Sep'21	
	Extn. at 400KV bays at Maharaniabag S/stn. (in place of 400/220KV Rajghat S/stn. - Anuled)	-		Available	95%	95%	95%		Sep'21	04 nos. GIS bays at Maharaniabag for the LILO of 400 KV D/C Mandola - Bawana line at Maharaniabag are ready for charging but these shall be charged with line. LILO line getting delayed due to forest clearance issue in Delhi.
	400/220KV Dwarka -I Sub station (GIS)	4x500		Acquired	99%	98%	95%		Sep'21	220 KV GIS charged in March'20. 400 kV GIS is ready but charging will be done matching with LILO line getting delayed due to forest clearance issue in Delhi.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
9	Establishment of 220/66KV GIS at UT Chandigarh along with 220KV D/C line from Chandigarh GIS to 400/220KV Panchkula (PG) Sub station.		PGCIL					Feb'19/ Jun'19/ Apr'20/ Jun'21	Sep'21	
	220/66KV UT Chandigarh (GIS) Sub station	2x160		Acquired	99%	99%	99%		Sep'21	Work of down stream line under progress by UT Chandigarh.
	Extn at 400/220KV Panchkula Sub station	-		Available	100%	100%	100%		Sep'21	Commissioning matching with line, held up due to ROW at 04 +01 (Pile) locations in Punjab. Works stayed by High Court. Next Hearing on 20.08.21.
10	System Strengthening Scheme in Northern Region - XXXVII		PGCIL					Dec'19/ Jun'20/ Jun'21	Sep'21	
	400/220KV Jauljivi (GIS) Sub station	7x105		Acquired	98%	98%	98%		Sep'21	Supply of Transformer & Reactor was affected due to poor road conditions. Road widening/ strengthening work completed by NHAI in Jul'20. Accordingly, transportation of reactors & transformer have been completed progressively in Oct'20. Work has also been affected due to COVID-19 pandemic. Commissioning of line through contingency arrangement was discussed in the NRPC meeting held in Feb'21, however same has not been agreed by the NRPC. Hence, S/S will be commissioned matching with 220 KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh which is expected to be completed by Sep'21.
	Extn at 765/400KV Bareilly Sub station	-		Available	99%	100%	98%		Sep'21	Work completed. Extn. will be commissioned matching with line.
11	System Strengthening Scheme in Northern Region - XXXVI		PGCIL					Sep'19	Sep'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 400/220KV Koteshwar Pooling station	-		Available	50%	22%			Sep'21	400 KV D/C Koteshwar - Rishikesh line under TBCB by M/s Essel Infra for which these bays are being constructed is delayed.
	Extn. at 400/220KV Roorkee Sub station	-		Available	100%	100%	100%		Sep'19	220 KV Bay is ready for commissioning since Dec'18 but downstream Tr. System to be constructed by PTCUL is not available.
12	Implementation of 500 MVAR Thyristor Controlled Reactor at Kurukshetra		PGCIL					Jul'21/ Dec'21	Jul'21	
	500 MVAR Thyristor Controlled Reactor (TCR) at 400 kV Kurukshetra -1 No.				56%	24%	6%		Jul'21	Work under progress.
13	Northern Region System Strengthening - XL		PGCIL					Dec'20/ May'21	Aug'21	
	Extn. at 400/220 kV Roorkee	1x500		Available	90%	85%	70%		Jun'21	
	Extn. at 400/220 kV Sonapat	1x500		Available	92%	84%	75%		Jun'21	
	Extn. at 400/220 kV Fatehpur	1x500		Available	100%	100%	100%		Mar'21	1x500 MVA, 400/220/33 kV ICT alongwith associated bays and 2 nos. 220 kV line bays at Fatehpur s/s was charged on 29.03.2021 & 30.03.2021 respectively.
	Extn. at 400/220 kV Saharanpur	1x500		Available	100%	100%	100%		Mar'21	ICT charged on 31.03.21.
	Extn. at 400/220 kV Bhadla	2x500		Available	96%	95%	85%		Jun'21	1 no. ICT commissioned in Jan'21.
	Extn. at 400/220 kV Lucknow (Repl. of 1x315 MVA ICT by 1x500 MVA ICT)	185		Available	99%	100%	99%		Jun'21	ICT replaced & commissioned in Mar'19. 220 KV bay extn. civil & erection works almost completed. Testing works affected due to COVID second wave.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 400/220 kV Allahabad			Available	75%	95%	60%		Jul'21	Works affected due to COVID second wave.
	Extn. at 400/220 kV Mandola			Available	92%	84%	70%		Jun'21	
	Extn. at 400/220 kV Hissar			Available	92%	83%	75%		Jun'21	
	Extn. at 400/220 kV Sikar			Available	96%	93%	84%		Jun'21	
	Extn. at 400/220 kV Meerut			Available	52%	48%	30%		Jul'21	
	Extn. at 400/220 kV Abdullapur			Available	100%	100%	100%		Mar'21	Test charged in Mar'21. Downstream line of HVPNL delayed.
	Extn. at 400/220 kV Gorakhpur (1x315 MVA ICT after replacement at Lucknow to be shifted to Gorakhpur)			Available	100%	100%	100%		Mar'21	400/220 kV, 315 MVA ICT at Gorakhpur charged on 31.07.20. 220 kV line bays charged on 30.03.21.
	Extn. at 400/220 kV Jind			Available	90%	82%	55%		Jul'21	
	Extn. at 400/220 kV Fatehabad			Available	90%	90%	60%		Jul'21	Work getting affected due to COVID-19.
	Extn. at 400/220 kV Kishenpur			Available	90%	35%			Aug'21	Work getting affected due to COVID-19.
	Extn. at 400/220 kV Jalandhar			Available	70%	70%	25%		Aug'21	Work getting affected due to COVID-19.
	Extn. at 400/220 kV Amritsar			Available	85%	90%	50%		Jun'21	Work getting affected due to COVID-19.
	Extn. at 400/220 kV Maharaniabagh			Available	20%	15%			Jul'21	
	Extn. at 400/220 kV Chamera PS			Available	35%	45%			Aug'21	
	Extn. at 400/220 kV Moga			Available	90%	90%	40%		Jul'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Extn. at 400/220 kV Patiala			Available	90%	80%	30%		Jul'21	
14	Northern Region System Strengthening - XLII		PGCIL					Oct'20/ Mar'21	May'21	
	Extn. at 400/220 kV Samba (Jatwal) <i>(2 nos. 220 KV line bays for termination of 220 KV D/C Samba (PDD)-Samba (Jatwal) line of J&KPDD)</i>			Available	100%	100%	100%		May'21	Bays charged on 17.05.2021.
15	Transmission System for Solar Energy Zones in Rajasthan		PGCIL					Dec'20/ May'21	Jul'21	
	Establishment of 765/400 KV Bhadla-II PS <i>(1x125 MVar BR, 2x240 MVar BR, 2x330 MVar SLR & 2X240 MVar SLR alongwith associated bays)</i>	2x1500		Acquired	96%	94%	85%		Jul'21	
	Establishment of 765/400 KV Fatehgarh-II PS <i>(1x125 MVar BR & 2x240 MVar BR alongwith associated bays)</i>	3x1500		Acquired	90%	88%	75%		Jul'21	
	Extn. of 765/400/220 KV Bhadla (PG) S/S	2x500		Available	88%	72%	58%		Jul'21	
	Extn. of 765/400 KV Bhiwani (PG) S/S	1x1000		Available	67%	75%	38%		Jul'21	
16	Scheme to control fault level in Northern Region (Phase-II)		PGCIL					Jun'21/ Nov'21	Nov'21	
	Extn. of 400 kV Kanpur Substation			Available		3%			Nov'21	Engineering activities under progress. Civil works affected due to COVID second wave.
	Extn. of 400 kV Bhiwani Substation			Available	8%				Nov'21	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. of 400 kV Hissar Substation			Available					Nov'21	Engineering activities under progress.
17	Northern Region System Strengthening - XLI		PGCIL					May'21/ Oct'21	Aug'21	
	Extn. at 400/220 kV Chamera Pooling Station (2 nos. 4000 KV line bays (GIS))				25%	40%			Aug'21	
18	Transmission System for Providing connectivity to RE projects at Bikaner (PG), Fatehgarh-II & Bhadla-II		PGCIL					Jan'21/ Jun'21	Sep'21	
	Extension 765/400/220 kV Fatehgarh-II PS (Jaisalmer)	1x1500 & 5x500		Available	48%	30%	25%		Sep'21	
	Extension 765/400/220kV Bhadla-II PS (Jodhpur)	1x1500 & 5x500		Available	45%	28%	25%		Sep'21	
	Extension 400/220 kV Bikaner (PG) Substation	2x500		Available	55%	35%	22%		Sep'21	
19	Construction of 2 nos. of 400 kV Hybrid/ GIS Line bays at Varanasi (PG) Substation		PGCIL					Jan'21	Jul'21	
	Extn. at 765/400/220 KV Varanasi Substation (400 kV Line bays (Hybrid/ GIS): 2 nos.)				85%	50%	18%		Jul'21	Works affected due to COVID second wave.
20	Transmission scheme for controlling high loading and high short circuit level at Moga substation		PGCIL					Apr'21	Jul'21	
	Rearrangement of feeders at Moga 400 KV bus and splitting of same into two sections (Controlling high Sckt/loading at Moga S/S)			Available	90%	70%	10%		Jul'21	
21	2 nos. of 220 kV Line Bays at Saharanpur (PG)		PGCIL					Nov'21	Nov'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	400/220kV Saharanpur (PG) S/S (Extn.)			Available	8%				Nov'21	
22	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part- F1		PGCIL					Jun'22	Jun'22	
	Extension of 400kV Bikaner-II PS								Jun'22	Award under progress.
23	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part- A1		PGCIL					Mar'22	Mar'22	
	Augmentation of 765/400 kV, 1x1500 MVA (5th) ICT at Fatehgarh-II PS	1x1500							Mar'22	Substation package awarded in Mar'21. ICT package under award.
24	Provision of Spare ICTs in Northern Region		PGCIL					Jul'22	Jul'22	
	500 MVA, 400/220 kV Spare ICT at Tughlakabad	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Jaipur South	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Panchkula	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Moga	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Lucknow	500		Available					Jul'22	Awarded in Jan'21.
	200 MVA, 220/132 kV Spare ICT at Raebarely	200		Available					Jul'22	Awarded in Jan'21.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	160 MVA, 220/132 kV Spare ICT at Sitarganj	160		Available					Jul'22	Awarded in Jan'21.
25	Transmission system strengthening Scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II – Part B1		PGCIL					Sep'22	Sep'22	
	765/400/220kV Extension at Fatehgarh-II (400/220kV, 500MVA 6th to 9th ICT, 765/400kV, 1500MVA 6th ICT)	1x1500 & 4x500						Dec'21 to Jun'22	Dec'21 to Jun'22	Awarded in May'21.
	765/400/220kV Extension at Bhadla-II (400/220kV, 500MVA 6th to 8th ICT, 765/400kV, 1500MVA 4th ICT)	1x1500 & 3x500						Dec'21 to Sep'22	Dec'21 to Sep'22	Under award.
	± 600 MVAr STATCOM at Fatehgarh-II substation							Aug'22	Aug'22	Under award.
	± 600 MVAr STATCOM at Bhadla-II substation							Aug'22	Aug'22	Under award.
	WESTERN REGION									
26	Additional system for Power evacuation from Generation projects pooled at Raigarh (Tamnar) Pool		PGCIL					May'21/ Oct'21	May'21	
	2 nos. 765 KV line bays at Raigarh (Tamnar) PG PS (for termination of Dharamjaygarh PS section B-Raigarh (Tamnar) PS 765 KV D/C line)			Available	100%	100%	100%		May'21	Commissioned on 16th May'21.
	2 nos. 765 KV line bays at 765 KV Dharamjaygarh (PG) PS (for termination of Dharamjaygarh PS section B-Raigarh (Tamnar) PS 765 KV D/C line)			Available	100%	100%	100%		May'21	Commissioned on 8th May'21.
27	Western Region System Strengthening - XX		PGCIL					Aug'21/ Jan'22	Aug'21	Work has been affected due to COVID-19 pandemic.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Part-A: Provision of Bus Reactors at High Voltage Nodes in WR									
	Extn. at 400/220 KV Khandwa S/S (1x125 MVA BR alongwith 400 KV bay)			Available	98%	97%	95%		Jun'21	Work progress has been affected due to 2nd wave of COVID.
	Extn. at 765/400 KV Solapur S/S (1x240 MVA BR alongwith 765 KV bay)			Available	85%	85%			Aug'21	Work progress has been affected due to 2nd wave of COVID.
	Extn. at 400/220 KV Rajgarh S/S (1x125 MVA BR alongwith 400 KV bay)			Available	100%	100%	100%		Apr'21	Commissioned in Apr'21.
	Extn. at 765/400 KV Wardha S/S (1x330 MVA BR alongwith 765 KV bay)			Available	95%	80%			Aug'21	Work progress has been affected due to 2nd wave of COVID.
	Extn. at 765/400 KV Aurangabad S/S (1x240 MVA BR alongwith 765 KV bay)			Available	95%	90%			Aug'21	Work progress has been affected due to 2nd wave of COVID.
	Part-B: Provision of Bus Reactor at Champa Pool: Split section - Part A									
	Extn. at 400/220 KV Champa PS (1x125 MVA BR alongwith 400 KV bay)				98%	85%			Aug'21	Work progress has been affected due to 2nd wave of COVID.
	Part-C: Augmentation of transformation capacity in WR									
	Extn. at 400/220 KV Jabalpur S/S	1x500		Available	95%	90%			Aug'21	400/220 kV 500 MVA ICT of Jabalpur Substation has reached at site on 27th Feb21. Due to 2nd wave COVID-19 erection works are getting affected.
	Extn. at 400/220 KV Itarsi S/S	1x500		Available	95%	90%			Aug'21	Works are being affected due to 2nd wave of COVID-19 pandemic.
28	Scheme to control fault level in at Wardha substation		PGCIL					Mar'22/ Aug'22	Mar'22	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	400 kV Wardha Substation extension (400kV Bus Splitting at Wardha SS)			Available	25%	15%			Mar'22	Award placed in May'20. Engineering & Civil works at site are in progress. RoW at all 12 locations near to Wardha Substation (Line Diversion). Works has also been affected due to 2nd wave of COVID-19 pandemic and subsequent lockdown.
29	Western Region System Strengthening Scheme-XXII		PGCIL					Mar'23	Mar'23	
	400 kV Boisar Substation Extension (Conversion of 80 MVA fixed line reactor at Boisar end of Aurangabad – Boisar 400 kV D/c line to switchable line reactor alongwith NGR bypass arrangement)			Available					Mar'23	
30	Extension works at POWERGRID substations for Interconnection of RE Projects		PGCIL					Jan'21	Nov'21	
	Part-A: PG works assoaciated with Western Region Strengthening Scheme - 21									
	Conversion of existing 2x63 MVAR line reactors at Bhachau end of Bhachau - EPGL 400 KV D/C line to switchable line reactors along with 02 nos. 400 kV line reactor bays			Available					Nov'21	Award placed in Aug'20. Associated TBCB Project (WRSS-XXIA) by other TSP (M/s Adani) is expected to complete by Nov'21 as per 31st JCC Meeting for WR..
	Part-B: Extension works at Bhuj PS for interconnection of RE Projects									
	Extn. at 765/400/220 kV Bhuj PS			Available	95%	90%			Jul'21	Award placed in Sep'20. Work progress has been affected due to 2nd wave of Covid. Associated Generation Project is likely to be commisioned in Feb'22 as per 31st JCC Meeting of WR.
31	Western Region System Scheme XIX - POWERGRID Works		PGCIL					Aug'23	Aug'23	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Part-A: Additional 400kV outlets from Banaskantha 765/400 kV S/s - 2 nos. of 400kV line bays at Banaskantha (PG) [for termination of LILO of second circuit of Zerda – Ranchodpura 400 kV D/c line at Banaskantha (PG) PS]			Available				Jul'22	Jul'22	Award placed in May'21. Engineering activities are in progress.
	Part-B: Additional ISTS feed to Navi Mumbai 400/220 kV substation of POWERGRID - 2 nos. of 400 kV line bays at Padghe (PG) GIS [for termination of Padghe (PG) – Kharghar 400 kV D/c (quad) line]			Available				Aug'23	Aug'23	Award placed in Apr'21. Engineering activity started.
29	Transmission system for evacuation of power from RE P projects in wind energy zones in Osmanabad area of Maharashtra									
	Conversion of 50MVA Fixed line reactor on each circuit of Parli (PG) - Pune (GIS) 400kV D/c line at Parli (PG) end into to Switchable line reactor			Available					Dec'21	Project is associated with TBCB Project for which schedule is likely to be extended.
	SOUTHERN REGION									
32	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III : Pugalur - Trichur 2000 MW VSC based HVDC System		PGCIL					Apr'20/ Jun'21	Jul'21	
	+/- 320KV VSC based HVDC Terminal at Pugalur (2000MW)	2000MW		Acquired	99%	100%	99%		Jul'21	Monopole-2 along with 320 kV line and LILO portion commissioned on 9th Mar'21. Commissioning of Monopole-1 matching with Bipole-2 of Raigarh -Pugalur HVDC Terminal.
	+/- 320KV VSC based HVDC Terminal at North Trichur (2000MW)	2000MW & 630		Acquired	99%	100%	99%		Jul'21	Monopole-2 along with 320 kV line and LILO portion alongwith 2x315 MVA ICTs commissioned on 9th Mar'21. Commissioning of Monopole-1 matching with Bipole-2 of Raigarh -Pugalur HVDC Terminal.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
33	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.		PGCIL					Jul'19/ Jun'20/ Apr'21	Aug'21	
	Extn at 400KV Ariyalur (Villupuram) S/stn. (TANTRANSCO) scope (2 nos. 400 KV line bays)			Available					Aug'21	Deposit work by TANTRANSCO. In view of Delay in Readiness of Ariyalur SS (TANTRANSCO), interim arrangement has been done to connect associated line to one ckt of LILO section of Pugalur-Kalivandapattu 400 kV D/C line to evacuate power from NNTPS. Readiness of bays expected by Aug'21.
34	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II : AC System Strengthening at Pugalur end.		PGCIL					Feb'20/ Sep'20/ Jun'21	Jul'21	
	Extn at 400KV Pugalur GIS (8 nos. 400 KV line bays)			Available	99%	100%	98%		Jul'21	4 nos. line bays commissioned in Sep'20. Commissioning of balance bays matching with associated lines.
	Extn at 400KV Pugalur (Existing) Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	100%		Sep'20	Commissioned in Sep'20.
	Extn at 400KV Arasur Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	100%		Sep'20	Commissioned in Sep'20.
	Extn at 400KV Thiruvalem Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	98%		Jul'21	Commissioning matching with line.
	Extn at 400KV Udumulpet Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	98%		Jun'21	Commissioning matching with line.
	Extn at 400KV Edayarpalayam (TANTRANSCO) Sub Station (2 nos. 400 KV line bays)			Available					Jun'21	Deposit work basis. Likely to be delayed. Hence line are being charged by bypassing this s/s.
35	Southern Region System Strengthening - XXV		PGCIL					Jul'21/ Dec'21	Jul'21	
	Augmentation of Transformation Capacity at 400/200 KV Gajuwaka S/S	500		Available	100%	100%	100%		Mar'21	ICT charged in Mar'21.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 400/220 KV Hosur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	90%	65%	45%		Jul'21	Progress affected due to lockdown on account of COVID Pandemic.
	Extn. at 400/220 KV Madhugiri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	98%	95%	80%		Jul'21	Progress affected due to lockdown on account of COVID Pandemic.
	Extn. at 400/220 KV Dharampuri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	98%	85%	60%		Jul'21	Progress affected due to lockdown on account of COVID Pandemic.
	Extn. at 400/220 KV Hiriyur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	95%	80%	50%		Jul'21	Progress affected due to lockdown on account of COVID Pandemic.
	Extn. at 400/220 KV Pugalur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	85%	70%	45%		Jul'21	Progress affected due to lockdown on account of COVID Pandemic.
	Extn. at 400/220 KV Pugalur HVDC (GIS) S/S (2x125 MVA, 420 KV BR alongwith associated bays)			Available	80%	60%	30%		Jul'21	Progress affected due to lockdown on account of COVID Pandemic.
36	Transmission system for controlling high Short Circuit Current level at 400 kV Thiruvalem S/S		PGCIL					Aug'21	Aug'21	
	Extn. at Thiruvalem Substation i. Installation of 12Ω, 420 kV fault limiting bus series reactors between: <ul style="list-style-type: none"> • Bus section-A and bus section-B • Bus Section-B and bus section-C • 4 nos. bays for 2 nos. series bus reactors ii. Opening of the one of the bus (other than on which fault limiting bus series reactors are being installed) between the above mentioned bus sections through suitable arrangement. iii. Bypass of Kolar-Thiruvalem and Thiruvalem-Sriperumbudur 400 kV S/c line to form Kolar – Sriperumbudur 400 kV S/c direct line.				55%	50%	15%		Aug'21	Progress affected due to lockdown on account of COVID Pandemic.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
37	Transmission system for controlling High Loading of Nellore (PG) – Nellore PS 400 kV (Q) D/C Line		PGCIL					Jan'21	Apr'21	
	Extn. at Nellore (PG) Substation (i. Shifting of 125 MVAR and 80 MVAR line reactors at Nellore (PG) from Nellore PS-Nellore(PG) 400kV D/c line to Nellore(PG) – Sriperumbudur 400kV D/c line (with suitable arrangement). ii. Bypassing Nellore PS – Nellore (PG) 400 kV D/c (Quad) line and Nellore (PG) – Thiruvalam 400kV D/c (Quad) line at Nellore (PG) for making direct Nellore PS – Thiruvalam 400kV D/c (Quad) line)				100%	100%	100%		Apr'21	80 MVAR and 125 MVAR reactors shifted and commissioned on 2nd and 28th Apr'21 respectively.
	EASTERN REGION									
38	Eastern Region Strengthening Scheme-XII		PGCIL					Jun'19/ Dec'19/ Jun'20/ Sep'21	Aug'21	
	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.			Available	100%	100%	100%		Nov'16	Conversion of Line reactor at Jeerat commissioned in Aug'16, Baripada commissioned in Oct'16 & Maithon in Nov'16.
	Addition of 500MVA ICT at 400/220KV Baripada S/stn.	500		Available	100%	100%	100%		Sep'16	Commissioned in Sep'16.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Purnea S/stn.	370		Available	100%	100%	100%		Sep'16	ICT- I commissioned in Jul'15 & ICT-II in Sep'16
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Pusali S/stn.	370		Available	100%	100%	100%		Jan'20	ICT- I commissioned in Mar'16. ICT-II commissioned in Jan'20.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Patna S/stn. & 3rd new ICT 500MVA Installation	870		Available	100%	100%	100%		Feb'19	ICT-I commissioned in Sep'16. 3rd ICT added as per MoP order no; 15/2/2017 (Part-I)- Trans. dated 10.01.18. 3rd ICT commissioned in Feb'18. ICT -II charged in Feb'19
	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.	315		Available	100%	100%	100%		Dec'17	Commissioned in Dec'17.
	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.	-		Available	90%	90%	65%		Aug'21	Shifted from Pusauli. ICT was held up at bridge near Farakka. Permission to cross bridge refused by MoST, W.B. ICT was delivered to Durgapur and commissioned at Durgapur. Now transportation via different route & commissioning at Farakka taken up. Awarded to CGL in Apr'19.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Siliguri S/stn.	60		Available	100%	100%	100%		Jan'16	Commissioned in Jan'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Purnea S/stn.	60		Available	100%	100%	100%		Feb'16	Commissioned in Feb'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Birpara S/stn.	60		Available	100%	100%	100%		Dec'15	Commissioned in Dec'15.
	Modification of 132KV Bus arrangement at 220/132KV Siliguri & Purnea S/stn. with GIS bays.	-		Available	100%	100%	100%		Mar'18	Siliguri commissioned in Nov'16 & balance commissioned in Mar'18.
	02nos. 500MVA, 765/400KV Spare Transformers in ER.	-							Sep'18	01 ICT received at Angul received in Sep'17 & 2nd ICT commissioned at Jharsuguda in Sep'18.
	Const. of 4 nos 220KV GIS line bays at Kishanganj S/stn.	-		Available	100%	100%	100%		Oct'16	Commissioned in Oct'16.
39	Eastern Region Strengthening Scheme-XV		PGCIL					Apr'18/ Jan'20/ Apr'20/ Mar'21	Jul'21	

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					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn at 400/220KV at Farakka S/stn.			Available	100%	100%	100%		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Sagardighi S/stn.			Available	100%	100%	100%		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Jeerat S/stn.			Available	100%	100%	99%		Jul'21	Work executed by WBSETCL on deposit basis. Work has been affected due to COVID-19 pandemic.
	Extn at 400KV at Baharampur S/stn.			Available	100%	100%	100%		Aug'18	Bay commissioned in Aug'18.
	Extn at 400KV at Subhashgram S/stn.			Available	100%	100%	100%		Mar'18	Commissioned in Mar'18.
40	Eastern Region Strengthening Scheme-XVII (Part-B)		PGCIL					Jun'19/ Sep'20/ Aug'21	Jul'21	
	Extn. at 400/220KV Gaya S/stn.	500		Available	100%	100%	100%		Jan'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s (3rd ICT)	315		Available	97%	100%	90%		Jun'21	Work has been affected due to COVID-19 pandemic.
	Extn. at 400/220KV Durgapur S/stn. (3rd ICT)	315		Available	100%	100%	100%		Jun'19	Charged in Jun'19.
	Extn. at 400/220KV Jeypore S/stn.	630		Available	85%	80%	70%		Jul'21	1st ICT commissioned on 15.04.21. 2nd ICT work under progress. Work has been affected due to COVID-19 pandemic.
	Extn. at 400/220KV Rourkela S/stn.	630		Available	100%	100%	100%		Feb'21	1st 315 MVA ICT commissioned on 05.12.20. 2nd 315 MVA ICT commissioned on 27.02.21.
	Repl. of 400/220KV Malda S/st. (2x315MVA to 2x500 MVA)	370		Available	85%	90%	80%		Jul'21	1st ICT commissioned on 29.03.21.
	Extn. at Maithon (PG) and Maithon (RB)			Available	85%	90%	70%		Jul'21	Work has been affected due to COVID-19 pandemic.
	Bypassing arrangement of LILO of 400KV lines at Angul.			Available	100%	100%	100%		Feb'20	Charged in Feb'20.
41	Eastern Region Strengthening Scheme- XVIII		PGCIL					Jul'20/ Dec'20	Jul'21	Work has been affected due to COVID-19 pandemic.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extension at 765kV Ranchi (New) S/s			Available	100%	100%	100%		Feb'21	Commissioned on 09.02.21.
	Extension at 400kV Subhashgram (New) S/s			Available	95%	95%	95%		Jul'21	Work has been affected due to COVID-19 pandemic. Commissioning matching with associated TBCB line.
42	Eastern Region Strengthening Scheme - XX		PGCIL					May'20/ May'21	Jul'21	
	Extn. at 400/220KV Biharshariff S/Stn.	500		Available	100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV Maithon S/Stn.	500		Available	100%	100%	100%		Jul'20	Commissioned.
	Extn. at 400/132KV Banka S/Stn.	315		Available	100%	100%	100%		Dec'19	Commissioned.
	Extn. at 400/132KV Lakhisarai S/Stn.	315		Available	100%	100%	100%		Dec'19	Commissioned.
	Extn. at 220/132KV Rangpo S/Stn.	100		Available	99%	99%	98%		Jul'21	
	Repl. 220/132KV 50MVA to 160MVA at Malda S/stn.	110		Available	100%	100%	100%		Oct'19	Commissioned.
	Extn. at 220KV Biharshariff (BSPTCL) S/S.	-		Available	100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s	-		Available	100%	100%	100%		Mar'21	Commissioned on 29.03.21.
	Extn. at 400KV Subhashgram S/Stn.	-		Available	100%	100%	100%		Jan'20	Commissioned.
	Extn. at 765/400KV Ranchi (New) S/Stn.	-		Available	100%	100%	100%		Mar'21	Commissioned on 31.03.21.
	Extn. at 400/220KV New Purnea S/Stn.	-		Available					May'20	Award placed in Dec'17. Work completely at standstill due to lockdown of the entire country due to Corona Pandemic. The Ministry of Home Affairs on 24.03.20 invoked the National Disaster Management act and declared lockdown of the entire country for 40 days.
	Extn. at 220/132 KV Purnea S/Stn.	-		Available	100%	100%	100%		Feb'20	Charged in Feb'20.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
43	Eastern Region Strengthening Scheme - XXII		PGCIL					Jan'22	Jan'22	Compln. Sch. - 18 months from IA
	Extn. at 400/220/132 KV Malda S/s (Upgradation work at 132kV Malda Substation from AIS to GIS including additional 2 nos. 132 kV GIS Bays)			Available	40%	10%			Jan'22	Award placed in Jul'20.
44	Eastern Region Strengthening Scheme - XXIII		PGCIL					Jun'21	Jul'21	Compln. Sch. - 11 months from IA
	Extn. at 400/220 kV Muzaffarpur S/S extn including ICT	500		Available	85%	80%	75%		Jul'21	
	Extn. at 400 kV Saharsa S/S			Available	40%	60%			Jul'21	
	Extn. at 400 kV Durgapur S/S			Available	35%	90%	25%		Jul'21	
	Extn. at 400 kV Kahalgaon S/S (NTPC)			Available	30%	50%			Jul'21	
45	Transmission system for power evacuation from Arun-3 (900MW) HEP, Nepal of M/s SAPDC-Indian Portion		PGCIL					Apr'23	Apr'23	
	Extn. At Sitamarhi (POWERGRID) 400/220 KV Substation (2 nos. 400 KV line bays)								Apr'23	
	NORTH EASTERN REGION									
46	North Eastern Region Strengthening Scheme -III		PGCIL					Dec'17/ Jun'18/ Mar'21/ Aug'21	Aug'21	
	2nd ICT at 400/220KV Bongaigaon S/s.	315		Available	100%	100%	100%		Apr'19	Commissioned.
	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	110		Available	90%	85%	75%		Aug'21	Substation submerged due to bursting of penstock of Kopili HEP.
	Repl. of 220/132KV 2x50 MVA to 2x160 MVA at Balipara S/stn.	220		Available	100%	100%	100%		Apr'20	ICT-I commissioned in Sep'17. ICT-II commissioned in Apr'20.
	Extn. of 220KV Salakati S/stn.			Available	100%	100%	100%		Apr'19	Commissioned.
47	PG works associated with North Eastern Region Strengthening Scheme -V		PGCIL					Apr'20/ Sep'20	Jun'21	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Extn. at 400/220KV Silchar Sub station				100%	100%	100%		Mar'21	Charged on 09.03.21.
48	PG works associated with North Eastern Region Strengthening Scheme -VI		PGCIL					May'20/ Apr'21	Jun'21	
	Extn. at 400/220KV Misa & Imphal Sub station			Available	100%	100%	100%		May'21	Bays at Imphal charged in Dec'20. Bays at Misa charged in May'21.
	Extn. 400/220KV New Mariani Sub station	2x500		Available	99%	99%	99%		Jun'21	Work has been affected due to COVID-19 pandemic. 1 no. 400/220 KV, 500 MVA ICT, 1 no. 125 MVAR Bus Reactor & 02 nos. 400 KV line bay for Kohima (KPTL 400 KV D/C Imphal - New Kohima- Mariani TCB line) commissioned in Dec'20. 2nd 400/220 KV 500 MVA ICT charged in Feb'21. 01 no. 400 KV 125 MVAR B/R and 02 nos. 400 KV line bays for the shifting of 400 KV D/C Misa line to New Mariani and charged in May'21. 02 nos. 220 KV line bays for 220 KV D/C old Mariani -New Mariani line ready charging expected in Jun'21.
49	North Eastern Region Strengthening Scheme-VIII		PGCIL					Mar'21/ Aug'21	Aug'21	
	Mokokchung (PG) GIS S/S (220/132 KV, 30 MVA 3rd ICT alongwith associated bays)	3x10		Available	60%	45%	30%		Aug'21	
	Dimapur (PG) GIS S/S (Repl. Of 220/132 KV, 4x33.33 single ph. ICT by 1x160 MVA 3-ph. Unit, Addn. of new 200/132 KV 1x160 MVA 3-ph. ICT & associated bays, conversion of switchyard and Bus Bar scheme etc.)	60 1x160		Available	64%	45%	25%		Aug'21	
	Jiribam (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	70%	50%	30%		Aug'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Aizwal (PG) GIS S/S <i>(upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)</i>			Available	50%	35%	30%		Aug'21	
	Kumarghat (PG) GIS S/S <i>(upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)</i>			Available	54%	44%	25%		Aug'21	
	Haflong (PG) GIS S/S <i>(upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)</i>			Available	55%	45%	25%		Aug'21	
50	North Eastern Region Strengthening Scheme-X		PGCIL					Feb'22	Feb'22	
	Extension at 132/33 KV Roing (PG) S/S (2 nos. 132 KV line bays)			Available					Feb'22	Awarded in Apr'21.
	Extension at 132/33 KV Chapakhowa (AEGCL) S/S (2 nos. 132 KV line bays)			Available					Feb'22	Awarded in Apr'21.
51	North Eastern Region Strengthening Scheme-XI		PGCIL					Dec'21	Dec'21	
	400 kV, 2x63 MVAR Switchable Line Reactor at Imphal S/s			Available					Dec'21	Award under progress.
	100 MVA, 220/132 kV Transformer (3rd) at Salakati S/s	100		Available					Dec'21	Award under progress.
52	North Eastern Region Strengthening Scheme-XIV		PGCIL					Feb'22	Feb'22	
	4 nos. 400 kV Line Bays at Surajmaninagar (TSECL) S/s			Available					Feb'22	Award under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
53	North Eastern Region Strengthening Scheme-IX		PGCIL					May'23	May'23	
	2 nos. 132 kV GIS Line Bays at Nirjuli S/s			Available					May'23	Award under progress.
54	North Eastern Region Strengthening Scheme-XIII		PGCIL					Sep'22	Sep'22	
	Conversion of 132 kV Bus Bar arrangement at Nirjuli S/s			Available					Sep'22	Award under progress.
	Conversion of 132 kV Bus Bar arrangement at Imphal S/s			Available					Sep'22	Award under progress.
	TBCB Project - Sub station									
1	<u>Eastern Region strengthening Scheme - XVIII</u>							Jul'20/ Dec'20	Jul'21	
	765/400KV Medinipur Sub station (7x500)	2x1500		Acquired	98%	100%	100%		Jun'21	2x1500 MVA ICTs commissioned on 09.02.21. However, commissioning of balance bays associated with Medinipur-Jeerat line expected to be commissioned by Jun'21.
	765/400KV Jeerat (New) Sub station (7x500)	2x1500		Acquired	95%	96%	86%		Jul'21	Work has been affected due to COVID-19 pandemic. Work also affected due to cyclone AMPHAN in May'20. Commissioning matching with associated Jeerat-Subhashgram (TBCB) line (ant. by Jul'21).
	Extn. at 400KV Jeerat S/stn (WBSETCL)			Available	98%	99%	95%		Jun'21	Executed by WBSETCL. Work has been affected due to COVID-19 pandemic.
2	<u>Eastern Region strengthening Scheme - XXI</u>							Mar'21/ Aug'21	Jul'21	
	400/220/132KV Sitamarhi Sub station	2x500 & 2x200		Acquired	100%	100%	100%	Jan'21/ Jun'21	Apr'21	Commissioned on 12.04.21.
	400/220/132KV Chandauti Sub station	3x500 & 3x200		Acquired	100%	100%	100%	Mar'21/ Aug'21	Mar'21	Commissioned on 11.03.21.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	400/220/132KV Saharsa Sub station	2x500 & 2x200		Under acq.	88%	95%	77%	Mar'21/ Aug'21	Jul'21	Work affected due to lockdown in COVID 2nd wave and frequent rainfall.
	Extn. at 400KV Darbhanga S/stn			Available	100%	100%	100%	Jan'21/ Jun'21	Apr'21	Commissioned on 12.04.21.
	Extn. at 400KV Motihari S/stn	315		Available	100%	100%	100%	Jan'21/ Jun'21	Apr'21	Commissioned on 23.04.21.
3	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -A)</u>							Dec'20/ May'21	May'21	
	2 nos 765kV line bays (AIS) at Ajmer (PG) S/s for Ajmer (PG) –Phagi (RVPN) 765kV D/c line.			Available	100%	100%	100%		May'21	Commissioned in May'21.
	01 no of 765kV bay (AIS) & 01 complete GIS DIA 765kV (2 main Breakers & 1 Tie Breaker) at Phagi S/S for Ajmer (PG) – Phagi (RVPN) 765kV D/c line.			Available	100%	100%	100%		May'21	Commissioned in May'21.
4	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -B)</u>							Dec'20/ May'21	Jul'21	
	2 nos of 765kV bays each at Fatehgarh-II for Fatehgarh-II – Bhadla-II 765kV D/c line.			Available	90%	90%	70%		Jul'21	
	2 nos of 765kV bays at Bhadla-II S/s for Fatehgarh-II – Bhadla-II 765kV D/c line.			Available	90%	85%	70%		Jul'21	
5	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -C)</u>							Dec'20/ May'21	Jul'21	
	Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Khetri with 765kV (2x240MVAR) and 400kV (1x125 MVAR) bus reactor	2x1500		Available	65%	85%	45%		Jul'21	There was some delay in land acquisition, now works under progress.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	400kV line bays at Sikar (PG) for Khetri – Sikar (PG) 400kV D/c line (Twin AL59)			Available	100%	100%	95%		Jun'21	
	765kV bays at Jhatikara for Khetri– Jhatikara 765kV D/c line			Available	90%	90%	60%		Jul'21	
6	<u>Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat</u>							Dec'20/ May'21	Jul'21	
	Establishment of 765/400/220 KV Bhuj-II Substation (7x500 MVA 765/400 KV & 4x500 MVA 400/220 KV)	2x1500 & 4x500		Available	85%	70%	25%		Jul'21	Work has been affected due to COVID-19 pandemic. Supply of on-shore and off-shore equipment is expected to be delayed due to Corona virus outbreak globally. Supply of BHEL make ICT and Reactors and supply of GIS from NHVS China is very critical. Assistance of State administration is very much required to resolve RoW in associated transmission line.
7	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part A							Sep'22	Sep'22	SPV transferred in Mar'21.
	400/220kV Ramgarh–II PS(4x500 MVA Transformer & 2x125MVAR, 420kV Bus Reactor)	2000		Land under finalisation					Sep'22	Land under finalisation.
	2 nos. of 400kV line bays at Jaisalmer II (RVPN) for Ramgarh II –Jaisalmer II400kV D/c line								Sep'22	Engineering activities under progress.
8	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part F							Sep'22	Sep'22	SPV transferred in Mar'21.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Establishment of 400/220kV, 6x500MVA Pooling Station at Bikaner-II with 2x125 MVAr bus reactor and with suitable bus sectionalisation at 400 and 220 kV level.	3000		Land under finalisation					Sep'22	Land under finalisation.
	400/220kV Bikaner-II (New) substation (± 300 MVAR, 2x125 MVAR MSC, 1x125 MVAR MSR)			Land under finalisation					Sep'22	Land under finalisation.
	Construction of 4 nos. of 400kV line bays at Khetri for Bikaner II – Khetri 400kV 2xD/c line. Construction of 2 nos. of 400kV line bays at Khetri for Khetri - Bhiwadi 400kV D/c line			Available					Sep'22	Engineering activities under progress.
	Construction of 2 nos. of 400 kV (GIS) line baysat Bhiwadi for Khetri- Bhiwadi 400kV D/c line			Available					Sep'22	Engineering activities under progress.
9	Connectivity system for Khargone TPP. M/s by Khargone. By M/s Sterlite		Khargone Transmissi on Ltd							
	765/400 kV Khandwa Pooling Station	2x1500		100%	100%	100%	100%	Jul'19	Mar'20	Commissioned 03/2020
10	Additional 400kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool		Goa-Tamnar Transmissi on Project Limited					Nov'21		

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	400/220 kV Substation at Xeldem (Goa)	2x500		100%				May'21	Apr'22	1.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 2.The construction work will be started after getting Conversion Sanad from Revenue authorities. The construction License from Gram Panchayat, Molem has been received on 13 Nov 2020. 3.The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa. Central Empowered Committee (CEC) has submitted their report to Supreme Court on 23rd April 2021 and have cleared 400/220kV Xeldem Substation.
11	Establish Transmission System for 400 kV Udipi (UPCL) – Kasargode D/C Line		Udipi Kasargode Transmissi on Limited.					Nov'22	Mar'22	
	400/220 kV GIS substation at Kasargode	2x500		100%				Nov'22	Mar'22	1. CLU order is also pending at Collector Office, Kasargode. 2. Facing Severe RoW issues in Kasargode Substation as the work has been stopped and local villagers are threatening the people at site.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compl. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
12	Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)		Vapi II-North Lakhimpur Transmission Limited Sterlite Grid 13 Limited (A Subsidiary of Sterlite Power Trans. Limited)					Apr'23		
	Vapi / Ambheti (Vapi – II)	2x500		100%				Apr'23		1. The Approval for obtaining Non-Agriculture permission under Section 65(b) of Gujarat Land Revenue Act is pending with District Collector office, Valsad.
13	Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link . By M/s Essel		Warora Kurnool Transmission Ltd.					Nov'19		
	765/400 kV Substation at Warangal	2x1500		100%	47%	60%	35%	Nov'19	Oct'22	
14	Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC (ERSS-XXIX).		North Karanpura Transco Ltd					23 months from the NOC from CCL		
	400/220 kV Dhanbad s/s	2x500		100%	94%	96%	86%	May'19		18 months from date of NOC from CCL/MoC. SDM, Dhanbad vacated the Sec-144 and order received on 15-03-21. It is expected that Work will complete by 30-06-21 subject to normalisation of Covid-19 situation.
15	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani									

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	400 KV Pooling Station At Fategarh			100%	100%	98%	96%	Sep'19	Jul'21	Anticipated completion: Jul'21, subject to vacation of Hon'ble High Court Status Quo order by 1st week of Jun'21.
16	Transmission System for Western Region Strengthening Scheme – 21 (WRSS – 21) Part – A – Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS		WRSS XXI(A) Transco Limited					Dec'20		
	765/400 KV Pooling Station At Lakadia	2X1500		100%	90%	55%	35%	Dec'20	Nov'21	On Account of Severe ROW in the state of Gujarat. Work affected due to COVID-19
17	Transmission System for Jam Khambaliya Pooling Station and Interconnection of Jam Khambaliya Pooling Station for Providing Connectivity to RE Projects (1500 MW) in Dwarka (Gujarat) and Installation of 400/220 kV ICT along with Associated Bays at CGPL Switchyard		Jam Khambaliya Transco Limited					Mar'21		
	400/220 KV Pooling Station At Jam Khambaliya (GIS)	4X500		100%	96%	98%	60%	Mar'21	Aug'21	Work affected due to COVID-19

Note: As per Ministry of Power, Govt. of India circular no. 3/1/2020-Trans dated 27th July, 2020, all inter-state projects whose SCOD is beyond 25th March, 2020 and which were under construction on 25th March, 2020, have been given an extension of 5 months in respect of SCOD. Works severely affected in all projects during the first phase of COVID and also in the second phase of COVID.