

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.3636  
ANSWERED ON 10.08.2023**

**POWER TRANSMISSION PROJECTS**

**3636. SHRI NAMA NAGESWARA RAO:**

**Will the Minister of POWER  
be pleased to state:**

- (a) the details of the number of Power Transmission Projects (PTP) completed and those under progress;**
- (b) the details of the new such projects proposed by the Government; and**
- (c) the details of the projects awarded under Engineering, Procurement and Construction (EPC) and Build, Operate, Transfer (BOT) methods?**

**A N S W E R**

**THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY**

**(SHRI R.K. SINGH)**

**(a) : 269 nos. Inter State Transmission System (ISTS) projects have been completed since 2014, out of which 45 nos. projects are under Tariff Based Competitive Bidding (TBCB) mode and 224 nos. projects, executed by Power Grid Corporation of India Limited (POWERGRID), are under Regulated Tariff Mechanism (RTM) mode. The details of such completed projects are at Annexure-I and Annexure-II.**

**Further, 63 nos. ISTS projects are under progress, out of which 32 nos. projects are under TBCB mode and 31 nos. projects, being executed by POWERGRID, are under RTM mode. The details of such under progress projects are at Annexure-III and Annexure-IV.**

**(b) : The details of 28 nos. new ISTS projects being taken up for implementation are attached at Annexure-V.**

**(c) : ISTS projects are not awarded under EPC or BOT mode. ISTS projects are awarded either through TBCB mode to successful bidder with the lowest quoted tariff or through RTM mode on nomination basis to Public Sector Undertakings.**

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**ANNEXURE-I****ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3636 ANSWERED IN THE LOK SABHA ON 10.08.2023**

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**List of ISTS projects commissioned under TBCB mode since 2014**

<b>Sl. No</b>	<b>Transmission project name</b>	<b>Parent Company</b>	<b>Year and month of commissioning</b>
1	Western Region System Strengthening – II under Project – B (Maharashtra)	Adani TL	Jan-14
2	Transmission System Associated with Krishnapattnam UMPP-Synchronous interconnection between SR and WR (Part-B)	RSTCL	Jun-14
3	Scheme for enabling import of NER/ER surplus by NR	Sterilite Power TL	Nov-14
4	System strengthening for WR	Sterilite Power TL	May-15
5	System strengthening common for WR and NR	Sterilite Power TL	Sep-15
6	Western Region System Strengthening – II under Project – C (Gujarat)	Adani TL	Dec-15
7	Transmission System for Patran 400kV S/S	Techno Electric	Jun-16
8	Transmission System required for evacuation of power from Kudgi TPS (3x800 MW in Phase-I) of NTPC Ltd.	L&T	Sep-16
9	Transmission system for Strengthening in SR for Import of Power from ER.	PGCIL	Sep-16
10	Part ATS for RAPP U-7&8 in Rajasthan	Sterilite Power TL	Nov-16
11	ATS of Unchahar TPS	PGCIL	Dec-16
12	Eastern Region System Strengthening Scheme-VII	Sterilite Power TL	Jan-17
13	Northern Region System Strengthening Scheme, NRSS-XXXI (Part-B)	Essel Infra	Apr-17
14	NR System strengthening Scheme-NRSS-XXXI(Part-A)	PGCIL	Jul-17
15	Eastern Region System Strengthening Scheme-VI	Essel Infra	Aug-17
16	Connectivity lines for Maheshwaram 765/400 kV S/S	Sterilite Power TL	Dec-17
17	Transmission System associated with Gadawara STPS (2x800 MW) of NTPC (Part-B)	PGCIL	Jun-18
18	Transmission System associated with Gadawara STPS (2x800 MW) of NTPC (Part-A)	PGCIL	Jul-18

19	<b>Northern Regional System Strengthening Scheme, NRSS-XXIX</b>	<b>Sterilite Power TL</b>	<b>Aug-18</b>
20	<b>Transmission System Strengthening associated with Vindhyachal – V</b>	<b>PGCIL</b>	<b>Dec-18</b>
21	<b>Common Transmission system for phase-II generation projects in Orissa and immediate evacuation system for OPGC project (Orissa)</b>	<b>Sterilite Power TL</b>	<b>Dec-18</b>
22	<b>Transmission system associated with IPPs of Nagapattinam / Cuddalore Area- Package A</b>	<b>PGCIL</b>	<b>Jan-19</b>
23	<b>Additional system strengthening for Sipat STPS</b>	<b>Adani TL</b>	<b>Mar-19</b>
24	<b>Additional system strengthening for Chhattisgarh (B)</b>	<b>Adani TL</b>	<b>Mar-19</b>
25	<b>Transmission system strengthening in Indian system for transfer of power from new HEP's in Butan</b>	<b>Kalpataru</b>	<b>Mar-19</b>
26	<b>System strengthening for IPPs in Chhattisgarh and other generation projects in western region</b>	<b>Adani TL</b>	<b>Aug-19</b>
27	<b>Strengthening of Transmission system beyond Vemagiri</b>	<b>PGCIL</b>	<b>Jan-20</b>
28	<b>Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS</b>	<b>Sterilite Power TL</b>	<b>Mar-20</b>
29	<b>North Eastern Region Strengthening Scheme (NERSS-VI)</b>	<b>Kalpataru</b>	<b>Oct-20</b>
30	<b>Transmission system for NER System Strengthening Scheme-II (Part-B) and V (NER-IIB &amp; V)</b>	<b>Sterilite Power TL</b>	<b>Mar-21</b>
31	<b>Transmission System associated with LTA application from Rajasthan SEZ (Part -A)</b>	<b>PGCIL</b>	<b>May-21</b>
32	<b>Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan</b>	<b>Adani TL</b>	<b>Jul-21</b>
33	<b>WR - NR Interconnector</b>	<b>PGCIL</b>	<b>Jul-21</b>
34	<b>Transmission System associated with LTA application from Rajasthan SEZ (Part -B)</b>	<b>PGCIL</b>	<b>Aug-21</b>
35	<b>Transmission System Associated with LTA applications from Rajasthan SEZ Part-D</b>	<b>Adani TL</b>	<b>Sep-21</b>
36	<b>Eastern Region Strengthening Scheme - XXI</b>	<b>PGCIL</b>	<b>Oct-21</b>
37	<b>Transmission System associated with LTA application from Rajasthan SEZ (Part -C)</b>	<b>PGCIL</b>	<b>Oct-21</b>
38	<b>Connectivity system for Khargone TPP.</b>	<b>Sterilite Power TL</b>	<b>Dec-21</b>
39	<b>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</b>	<b>Adani TL</b>	<b>Aug-22</b>
40	<b>Transmission System for Transmission System Associated with RE Generations at Bhuj-II, Dwarka &amp; Lakadia</b>	<b>Adani TL</b>	<b>Aug-22</b>

<b>41</b>	<b>Eastern Region strengthening Scheme - XVIII</b>	<b>PGCIL</b>	<b>Aug-22</b>
<b>42</b>	<b>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</b>	<b>Adani TL</b>	<b>Oct-22</b>
<b>43</b>	<b>Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW ) in Gujarat</b>	<b>PGCIL</b>	<b>Nov-22</b>
<b>44</b>	<b>WRSS - 21 Part - B - Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS</b>	<b>Sterlite Power TL</b>	<b>Jan-23</b>
<b>45</b>	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-F, Phase-II</b>	<b>PGCIL</b>	<b>Jun-23</b>

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**ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3636 ANSWERED IN THE LOK SABHA ON 10.08.2023**

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<b>List of commissioned ISTS projects, executed by POWERGRID, under RTM mode since 2014</b>		
<b>Sl. No.</b>	<b>Project Name</b>	<b>Year of commissioning of the project</b>
1	One No. of 220kV bay at Chamera Pooling Point for 2nd Circuit Stringing of 220kV Karian - Chamera Pool Line	2022
2	Construction of 02 nos. of 400kV GIS line bays at Varanasi (PG) substation	2021
3	Creation of 400/220kV Substations in NCT of Delhi during 12th Plan Period (Part-B1)	2018
4	Creation of 400/220kV sub-stations in NCT of Delhi during 12th Plan period (Part-A)	2022
5	Provision of 400kV bays at Fatehpur for Associated Transmission System (ATS) of Unchahar TPS	2016
6	POWERGRID works associated with Addl. System Strengthening for Sipat STPS	2019
7	Associated Transmission System for Nabinagar-II TPS (3*660MW)	2019
8	Augmentation of Transformation capacity at Mainpuri and Sikar	2018
9	Augmentation of Transformation Capacity at Fatehabad (PG) 400/220kV substation by 1x315 MVA capacity along with associated ICT bays	2019
10	Augmentation of Transformation Capacity at Raebareli & Sitarganj 220/132kV Substations	2018
11	Augmentation of transformation capacity in Northern & Eastern Region	2015
12	Augmentation of Transformation Capacity in Southern Region	2018
13	Augmentation of Transformer & Bays in Western Region	2015
14	AUGMENTATION OF TRANSFORMATION CAPACITY AT 400/220 KV LUDHIANA (PG) SUBSTATION	2023
15	Replacement of 1x250 MVA 400/220 kV ICT at 765/400/220kV Moga (PG) S/s with 1x500 MVA 400/220 kV ICT along with associated works at 220 kV level	2023
16	Augmentation of Transformers in Northern Region - Part-A.	2015
17	Augmentation of Transformers in Northern Region - Part-B.	2019
18	Baharampur (POWERGRID) – Bheramara (Bangladesh) 2nd 400kV D/c Transmission Line (Indian Portion)	2020
19	Bus Reactors in Northern Region (Phase-II)	2017
20	Common System Associated with East Coast Energy Pvt Ltd. & NCC Power Projects Ltd. LTOA Generation Projects in Srikakulam Area Part-C	2017
21	Common System associated with East Coast Energy Pvt Ltd. & NCC Power Projects Ltd. LTOA Generation Projects in Srikakulam Area - Part-A	2017
22	Common System associated with ISGS Projects in Krishnapatnam area of Andhra Pradesh	2014

23	<b>POWERGRID works associated with TBCB lines under common transmission system for Phase-II generation projects in Odisha</b>	<b>2019</b>
24	<b>CONNECTIVITY AND LTA FOR 325MW WIND PROJECT OF M/S SBESS SERVICES PROJECTS PVT LTD</b>	<b>2022</b>
25	<b>Connectivity for Kudankulam 3&amp;4 (2x1000 MW) with ISTS</b>	<b>2018</b>
26	<b>Transmission system for controlling high Short Circuit Current level at 400kV Thiruvalem S/s</b>	<b>2021</b>
27	<b>Conversion of Fixed Line Reactors to Switchable Line Reactors in Southern Region</b>	<b>2018</b>
28	<b>Conversion of Fixed Line Reactors to Switchable Line Reactors in Northern Region</b>	<b>2020</b>
29	<b>Supplementary Transmission System associated with DVC and Maithon Right Bank Projects</b>	<b>2017</b>
30	<b>Transmission System for start up power for DVC &amp; Maithon Right Bank Generation Project</b>	<b>2014</b>
31	<b>Eastern Region System Strengthening Scheme-III (ERSS-III)</b>	<b>2019</b>
32	<b>Eastern Region Strengthening Scheme-IX (ERSS-IX)</b>	<b>2019</b>
33	<b>Eastern Region Strengthening Scheme-XII (ERSS-XII)</b>	<b>2022</b>
34	<b>Eastern Region Strengthening Scheme-XIV (ERSS-XIV)</b>	<b>2018</b>
35	<b>Eastern Region Strengthening Scheme-VIII (ERSS-VIII)</b>	<b>2015</b>
36	<b>Eastern Region Strengthening Scheme-XIII (ERSS-XIII)</b>	<b>2017</b>
37	<b>EASTERN REGION EXPANSION SCHEME-XXVI (ERES-XXVI)</b>	<b>2023</b>
38	<b>Eastern Region Strengthening Scheme-V (ERSS-V)</b>	<b>2020</b>
39	<b>Substation extension work associated with Eastern Region Strengthening-VII (ERSS-VII)</b>	<b>2017</b>
40	<b>Eastern Region Strengthening Scheme-X (ERSS-X)</b>	<b>2014</b>
41	<b>Eastern Region Strengthening Scheme - XVII (Part-B) [ERSS-XVII (Part-B)]</b>	<b>2022</b>
42	<b>POWERGRID works associated with Eastern Region Strengthening Scheme-XVIII (ERSS-XVIII)</b>	<b>2021</b>
43	<b>Eastern Region Strengthening Scheme-XX (ERSS-XX)</b>	<b>2021</b>
44	<b>Eastern Region Strengthening Scheme-XXIII (ERSS-XXIII)</b>	<b>2021</b>
45	<b>Eastern Region System Strengthening Scheme-XXIV (ERSS - XXIV)</b>	<b>2022</b>
46	<b>Substation extension work associated with Eastern Region Strengthening scheme - VI (ERSS-VI)</b>	<b>2017</b>
47	<b>Eastern Region Strengthening Scheme-XI (ERSS-XI)</b>	<b>2019</b>
48	<b>Eastern Region Strengthening Scheme-XV</b>	<b>2021</b>
49	<b>Eastern Region Strengthening Scheme-XVII-Part-A (ERSS-XVII (Part-A))</b>	<b>2018</b>
50	<b>Establishment of 220/66kV, 2x160MVA GIS at UT Chandigarh along with 220kV D/C line from 220kV Chandigarh GIS Substation to 400/220kV Panchkula (PG) Substation</b>	<b>2023</b>
51	<b>Transmission System Strengthening in Indian System for transfer of power from Mangdechhu HEP in Bhutan</b>	<b>2021</b>
52	<b>POWERGRID works associated with Immediate Evacuation for North Karanpura (3x660 MW) Generation Project of NTPC</b>	<b>2021</b>
53	<b>Establishment of Pooling Stations at Champa and Raigarh(near Tamnar) for IPP Generation Projects in Chhattisgarh</b>	<b>2021</b>
54	<b>Green Energy Corridors ISTS - Part D</b>	<b>2020</b>

55	<b>Green Energy Corridors: Inter-State Transmission Scheme (ISTS) – Part-B</b>	<b>2019</b>
56	<b>Green Energy Corridors: Inter-State Transmission Scheme (ISTS) - Part C</b>	<b>2019</b>
57	<b>Green Energy Corridors: Inter-State Transmission Scheme (ISTS) – Part-A</b>	<b>2018</b>
58	<b>HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I</b>	<b>2021</b>
59	<b>HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II</b>	<b>2021</b>
60	<b>HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III</b>	<b>2021</b>
61	<b>Additional 1X500 MVA, 400/220kV (4th) transformer at Amritsar (Balachak) PG Substation under ISTS</b>	<b>2020</b>
62	<b>Implementation of 1 no. of 230 kV bay at PGCIL Tuticorin-II GIS PS</b>	<b>2022</b>
63	<b>Installation of Bus Reactor &amp; ICT in Western Region</b>	<b>2017</b>
64	<b>Installation of Bus Reactors at Cuddapah, Nellore, Kurnool, Raichur and Thiruvalem</b>	<b>2019</b>
65	<b>Installation of Reactors in Western Region</b>	<b>2015</b>
66	<b>Installation of STATCOMs in Western Region</b>	<b>2019</b>
67	<b>Installation of Transformer and Procurement of Spare Converter Transformer at Bhadravati HVDC Back to Back Station</b>	<b>2018</b>
68	<b>Integration of Pooling Stations in Chhattisgarh with central part of WR for IPP Generation Projects in Chhattisgarh</b>	<b>2014</b>
69	<b>Inter-Regional System Strengthening Scheme in WR and NR (Part-B)</b>	<b>2018</b>
70	<b>Inter-Regional System Strengthening Scheme in WR and NR (Part-A)</b>	<b>2017</b>
71	<b>Transmission system strengthening in western part of WR for IPPs generation projects in Chhattisgarh</b>	<b>2017</b>
72	<b>Transmission System for Phase-I Generation Projects in Jharkhand and West Bengal -Part -B</b>	<b>2016</b>
73	<b>Transmission System associated with Kudankulam Atomic Power Project (2x1000 MW)</b>	<b>2019</b>
74	<b>Line bays associated with Northern Region System Strengthening Scheme-XXXVI</b>	<b>2023</b>
75	<b>Line Bays Associated with Various Regional Strengthening Schemes in NR</b>	<b>2018</b>
76	<b>Line Bays Associated with Various Regional Strengthening Schemes in NR</b>	<b>2023</b>
77	<b>NERSS-XII</b>	<b>2023</b>
78	<b>NORTH EASTERN REGION STRENGTHENING SCHEME-XIII (NERSS-XIII)</b>	<b>2022</b>
79	<b>NORTH - EASTERN REGION STRENGTHENING SCHEME-IX (NERSS-IX)</b>	<b>2023</b>
80	<b>North- Eastern Region Strengthening Scheme-X (NERSS-X)</b>	<b>2023</b>
81	<b>North - Eastern Region Strengthening Scheme-XI (NERSS-XI)</b>	<b>2023</b>
82	<b>TRANSMISSION SYSTEM FOR NORTH EASTERN REGION STRENGTHENING SCHEME-XIV (NERSS-XIV)</b>	<b>2023</b>
83	<b>NLC - KARAİKAL 230kV D/C LINE</b>	<b>2018</b>
84	<b>North Eastern Region Strengthening Scheme - VIII (NERSS-VIII)</b>	<b>2021</b>
85	<b>North Eastern Region Strengthening Scheme-II (NERSS-II) Part A</b>	<b>2016</b>
86	<b>North Eastern Region System Strengthening Scheme -IV (NERSS-IV)</b>	<b>2019</b>
87	<b>North Eastern Region Strengthening Scheme-VII (NERSS-VII)</b>	<b>2018</b>

88	<b>North Eastern Region Strengthening Scheme-III (NERSS-III)</b>	<b>2019</b>
89	<b>Northern Region System Strengthening Scheme-XXI</b>	<b>2015</b>
90	<b>Northern Region System Strengthening Scheme-XXVIII</b>	<b>2016</b>
91	<b>Northern Region System Strengthening Scheme-XXX</b>	<b>2019</b>
92	<b>Northern Region System Strengthening - XL</b>	<b>2021</b>
93	<b>Northern Region System strengthening-XLII (NRSS-XLII)</b>	<b>2021</b>
94	<b>Northern Region System Strengthening Scheme-XIX</b>	<b>2016</b>
95	<b>ICTs &amp; Bays associated with Northern Region System Strengthening Scheme (NRSS-XXXVIII)</b>	<b>2017</b>
96	<b>Provision of 400kV bays for Northern Region System Strengthening Scheme-XXIX (NRSS-XXIX)</b>	<b>2018</b>
97	<b>Northern Region System Strengthening Scheme-XXVI</b>	<b>2015</b>
98	<b>Provision of 400kV bays for lines under Northern Region System Strengthening Scheme-XXXI (Part-B)</b>	<b>2016</b>
99	<b>System Strengthening Scheme in Northern Region - XXXVII (NRSS-XXXVII)</b>	<b>2022</b>
100	<b>Northern Region System Strengthening Scheme (NRSS)-XXXV</b>	<b>2021</b>
101	<b>Northern Region System Strengthening Scheme-XXIV</b>	<b>2018</b>
102	<b>Northern Region System Strengthening Scheme-XXVII</b>	<b>2016</b>
103	<b>Northern Region System Strengthening Scheme-XXXII</b>	<b>2017</b>
104	<b>Northern Region System Strengthening Scheme- XXXIV (NRSS-XXXIV)</b>	<b>2019</b>
105	<b>Northern Region System Strengthening Scheme-XVI</b>	<b>2017</b>
106	<b>Northern Regional Transmission Strengthening Scheme</b>	<b>2023</b>
107	<b>POWERGRID works associated with North Eastern Region Strengthening Scheme-VI</b>	<b>2021</b>
108	<b>POWERGRID works associated with North Eastern Region Strengthening Scheme-II, Part-B (NERSS-II-B)</b>	<b>2020</b>
109	<b>POWERGRID works associated with System Strengthening for IPPs in Chhattisgarh &amp; other generation projects in WR</b>	<b>2018</b>
110	<b>POWERGRID works associated with Part-A of Transmission System for Gadawara STPS of NTPC</b>	<b>2018</b>
111	<b>POWERGRID works associated with Transmission System Strengthening in WR associated with Khargone TPS</b>	<b>2019</b>
112	<b>POWERGRID Works associated with additional 400kV feed to Goa</b>	<b>2021</b>
113	<b>POWERGRID works associated with North Eastern Region System Strengthening Scheme-V</b>	<b>2021</b>
114	<b>Provision of 400kV bays at Shujalpur for Part ATS of RAPP 7 &amp; 8</b>	<b>2016</b>
115	<b>Provision of Line Bays for the Scheme-Connectivity Lines for Maheshwaram (Hyderabad) 765/400kV Pooling Station</b>	<b>2017</b>
116	<b>Provision of Series Reactors in Northern Region.</b>	<b>2018</b>
117	<b>Provision of STATCOM at Nalagarh &amp; Lucknow in NR</b>	<b>2020</b>
118	<b>Radial Interconnection between India (NER) and Bangladesh - Indian portion'</b>	<b>2016</b>
119	<b>Transmission System for providing connectivity to RE projects at Bikaner (PG), Fatehgarh-II &amp; Bhadla-II</b>	<b>2023</b>
120	<b>Regional System Strengthening scheme to mitigate the overloading of 400 kV NP Kunta- Kolar S/C line</b>	<b>2022</b>
121	<b>Removal of Constraints in 400kV Bays extensions at 400kV Vemagiri S/S</b>	<b>2018</b>



122	Sub-Station works associated with additional inter-regional AC link for import into Southern Region i.e. Warora-Warangal and Chilakaluripeta-Hyderabad-Kurnool 765kV link	2019
123	Substation works associated with Strengthening of Transmission System beyond Vemagiri	2020
124	SCHEME FOR FAULT LEVEL CONTROL AT DEHGAM (PG) & RANCHHODPURA (GETCO) S/S	2022
125	Scheme to control fault level at Wardha substation	2022
126	AUGMENTATION OF TRANSFORMATION CAPACITY AT EXISTING HIRIYUR AND KOCHI SUBSTATIONS	2023
127	Transmission System for Transfer of power from generation projects in Sikkim to NR/WR (Part-B1)	2022
128	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part- F1	2023
129	Transmission System for Solar Power Parks at Bhadla, Rajasthan	2019
130	System Strengthening - XXVI in Southern Region	2021
131	Provision of Spare ICTs and Reactors for Eastern, Northern, Southern and Western Regions	2017
132	Procurement of Spare Converter Transformer for Vizag HVDC System	2020
133	Split Bus Arrangement & Reconfiguration/Shifting of terminating lines at 400 kV Raipur Substation	2014
134	Split Bus Arrangement for various sub-stations in ER	2019
135	Transmission scheme for controlling high loading and high short circuit level at Moga substation	2022
136	Static VAR Compensators (SVCs) in Northern Region	2017
137	Strengthening Scheme in Northern Region	2017
138	Substation extensions for Transmission System associated with Vindhyachal-V project of NTPC (Part-B)	2019
139	Substation extensions for Transmission System associated with Vindhyachal-V project of NTPC (Part-A)	2017
140	Sub-station works associated with System Strengthening in Southern Region for import of power from Eastern Region	2020
141	Supplementary Transmission System for Ultra Mega Solar Power Park (700MW) at Banaskantha (Radhanesda), Gujarat	2020
142	Supplementary Transmission Scheme of Upcoming IPP Projects in Chhatisgarh	2014
143	System Strengthening in Southern Region- XII	2018
144	System Strengthening -XIII in Southern Regional Grid	2020
145	System Strengthening - XVII in Southern Regional Grid	2015
146	System Strengthening-XXIV in Southern Region	2018
147	System Strengthening - XXV in Southern Region	2021
148	Line Bays and Reactor provisions at POWERGRID substations associated with System Strengthening common for Western Region & Northern Region	2015
149	System Strengthening in North/West part of WR for IPP projects in Chhatisgarh	2016
150	System Strengthening in Northern Region for Sasan & Mundra Ultra Mega Power Projects	2015
151	System Strengthening in Raipur-Wardha corridor for IPP Projects in Chhatisgarh	2017

152	<b>System Strengthening in Southern Region - XXIII</b>	<b>2020</b>
153	<b>System Strengthening in Southern Region-XIV</b>	<b>2019</b>
154	<b>System Strengthening - XIX in Southern Regional Grid</b>	<b>2015</b>
155	<b>System Strengthening XVIII in Southern Regional Grid</b>	<b>2015</b>
156	<b>System Strengthening – XX in Southern Regional Grid</b>	<b>2018</b>
157	<b>System Strengthening in Southern Region – XXI</b>	<b>2019</b>
158	<b>System Strengthening in Southern Region - XXII</b>	<b>2015</b>
159	<b>ICTs &amp; Bays associated with Northern Region System Strengthening Scheme (NRSS-XXXVIII)</b>	<b>2019</b>
160	<b>System Strengthening Scheme at Tuticorin-II (erstwhile Tirunelveli GIS) and Bhuj PS</b>	<b>2022</b>
161	<b>Common System Associated with East Coast Energy Pvt Ltd. &amp; NCC Power Projects Ltd. LTOA Generation Projects in Srikakulam Part-B</b>	<b>2018</b>
162	<b>Transmission system associated with Darlipalli TPS</b>	<b>2017</b>
163	<b>Transmission System for Phase-I Generation Project in Odisha- Part -A</b>	<b>2016</b>
164	<b>POWERGRID works associated with Common Transmission System for Phase-II generation projects in Odisha</b>	<b>2019</b>
165	<b>POWERGRID works associated with TCB lines under common transmission system for Phase-II generation projects in Odisha</b>	<b>2019</b>
166	<b>POWERGRID works associated with new WR-NR 765kV Inter-Regional Corridor</b>	<b>2021</b>
167	<b>POWERGRID works associated with Transmission System Strengthening in Indian System for transfer of Power from new HEPs in Bhutan</b>	<b>2019</b>
168	<b>Transmission System associated with DGEN TPS (1200MW) of Torrent Power Ltd</b>	<b>2018</b>
169	<b>Transmission System for Connectivity for NCC Power Projects Ltd. (1320MW)</b>	<b>2016</b>
170	<b>Transmission System for establishment of 400/220kV GIS S/S at Magarwada in UT DD</b>	<b>2015</b>
171	<b>Transmission System for transfer of power from Generation Projects in Sikkim to NR/WR-Part-A</b>	<b>2016</b>
172	<b>Transmission System for transfer of power from Generation Projects in Sikkim to NR/WR-Part-B</b>	<b>2016</b>
173	<b>Transmission System for Phase-I Generation Projects in Jharkhand &amp; West Bengal-Part-A2</b>	<b>2016</b>
174	<b>Transmission Network Expansion in Gujarat to increase its ATC from ISTS (Part A)</b>	<b>2022</b>
175	<b>Transmission system associated with Kakrapar Atomic Power Project - 3 &amp; 4</b>	<b>2017</b>
176	<b>Transmission System associated with Kishenganga HEP</b>	<b>2019</b>
177	<b>Transmission System associated with Krishnapatnam UMPP-Part-C1</b>	<b>2014</b>
178	<b>TS associated with Mauda Stage-II (2x660 MW) generation project</b>	<b>2017</b>
179	<b>Transmission System Associated with Meja TPS</b>	<b>2016</b>
180	<b>Transmission System associated with Rampur HEP</b>	<b>2014</b>
181	<b>Transmission System associated with RAPP 7 &amp; 8 Part-B</b>	<b>2018</b>
182	<b>Transmission System associated with RAPP-7&amp;8 Part A</b>	<b>2017</b>
183	<b>Transmission system for controlling High Loading of Nellore (PG) – Nellore PS 400kV (Quad) D/c Line</b>	<b>2021</b>
184	<b>Transmission System for connectivity of MB Power (M.P.) Limited</b>	<b>2014</b>

185	<b>Immediate Evacuation System associated with Barh-II TPS</b>	<b>2014</b>
186	<b>Transmission System for IPP generation projects in Madhya Pradesh &amp; Chhattisgarh</b>	<b>2015</b>
187	<b>Transmission System associated with Krishnapatnam UMPP-Part-B</b>	<b>2014</b>
188	<b>Transmission System associated with Lara STPS-I (2x800MW) generation project of NTPC</b>	<b>2017</b>
189	<b>Transmission System for Phase-I Generation Project in Odisha- Part -B</b>	<b>2015</b>
190	<b>Transmission System for Phase-I Generation Projects in Odisha- Part-C</b>	<b>2015</b>
191	<b>Transmission System for Solapur STPP (2x660 MW)</b>	<b>2015</b>
192	<b>Transmission system associated with Solapur STPP (2x660MW) Part-A</b>	<b>2017</b>
193	<b>Transmission System for Solar Energy Zones in Rajasthan</b>	<b>2021</b>
194	<b>Transmission System associated with Tehri Pump Storage Plant (PSP)</b>	<b>2020</b>
195	<b>Transmission System for Ultra mega Solar Park in Anantpur District, Andhra Pradesh - Part-A (Phase-I)</b>	<b>2017</b>
196	<b>Transmission System for Ultra mega Solar Park in Anantpur District, Andhra Pradesh - Part-B (Phase-II)</b>	<b>2018</b>
197	<b>Transmission System for Ultra Mega Solar Park in Anantpur District, Andhra Pradesh - Part C (Phase - III)</b>	<b>2018</b>
198	<b>Transmission System for Ultra Mega Solar Park (750MW) at Rewa district, Madhya Pradesh</b>	<b>2018</b>
199	<b>Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.</b>	<b>2020</b>
200	<b>Transmission System for Vindhyachal - IV (1000MW) and Rihand - III (1000MW) Generation Projects</b>	<b>2015</b>
201	<b>Transmission system strengthening associated with Mundra UMPP-Part A</b>	<b>2017</b>
202	<b>Transmission System Strengthening associated with Mundra UMPP (Part-B)</b>	<b>2019</b>
203	<b>Transmission system for evacuation of power from 2x500 MW Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu</b>	<b>2021</b>
204	<b>Transmission System for Ultra Mega Solar Park at Tumkur (Pavagada), Karnataka, Phase-I</b>	<b>2018</b>
205	<b>Transmission System for Ultra Mega Solar Park at Tumkur (Pavagada), Karnataka - Phase II (Part A)</b>	<b>2020</b>
206	<b>Transmission System for Ultra Mega Solar Power Park at Tumkur (Pavagada), Karnataka - Phase-II Part-C</b>	<b>2019</b>
207	<b>Additional ATS for Tumkur (Pavagada) [Transmission System for Ultra Mega Solar Park at Tumkur (Pavagada), Karnataka -Phase-II (Part-B)</b>	<b>2021</b>
208	<b>Common System associated with Coastal Energen Private Limited and Ind-Barath Power (Madras) Limited LTOA Generation Projects Tuticorin area Part-A</b>	<b>2015</b>
209	<b>Common System associated with Coastal Energen Private Limited and Ind-Barath Power (Madras) Limited LTOA Generation Projects Tuticorin area (Part-B)</b>	<b>2016</b>
210	<b>TS-ISGS Projects in Nagapattinum/Cuddalore area - Part-A1 (a)</b>	<b>2015</b>
211	<b>TS-ISGS Projects in Nagapattinum/Cuddalore area Part-A1 (b)</b>	<b>2019</b>
212	<b>Wardha - Hyderabad 765kV link</b>	<b>2017</b>
213	<b>Western Region Strengthening Scheme - V</b>	<b>2019</b>
214	<b>Western Region Strengthening Scheme - XIII</b>	<b>2015</b>
215	<b>Western Region Strengthening Scheme - XIV</b>	<b>2018</b>

<b>216</b>	<b>POWERGRID Works associated with Western Region Strengthening Scheme – XV</b>	<b>2018</b>
<b>217</b>	<b>Western Region Strengthening Scheme - XVI</b>	<b>2019</b>
<b>218</b>	<b>Western Region Strengthening Scheme - XVII</b>	<b>2019</b>
<b>219</b>	<b>Western Region Strengthening Scheme - XVIII</b>	<b>2019</b>
<b>220</b>	<b>WR - NR HVDC Interconnector for IPP Projects in Chattisgarh</b>	<b>2017</b>
<b>221</b>	<b>WRSS-19</b>	<b>2022</b>
<b>222</b>	<b>Western Region System Strengthening - XX (WRSS-XX)</b>	<b>2022</b>
<b>223</b>	<b>Western Region System Strengthening Scheme (WRSS) -22</b>	<b>2023</b>
<b>224</b>	<b>Western Region System Strengthening Scheme (WRSS) – 23</b>	<b>2022</b>

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**ANNEXURE-III****ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3636 ANSWERED IN THE LOK SABHA ON 10.08.2023**

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**List of Under progress ISTS Projects under TBCB mode**

<b>Sl. No.</b>	<b>Name of Project/Name of element</b>	<b>Executing Agency</b>	<b>Anticipated schedule of Completion</b>
<b>1</b>	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-A, Phase-II</b>	<b>POWERGRID Ramgarh Transmission Limited</b>	<b>Sep-23</b>
<b>2</b>	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-B, Phase-II</b>	<b>POWERGRID Bhadla Transmission Limited</b>	<b>Mar-24</b>
<b>3</b>	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-C, Phase-II</b>	<b>POWERGRID Sikar Transmission</b>	<b>Sep-24</b>
<b>4</b>	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-D, Phase-II</b>	<b>Sikar II – Aligarh Transmission Limited</b>	<b>Mar-24</b>
<b>5</b>	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-G, Phase-II</b>	<b>Khetri Narela Transmission Limited</b>	<b>Mar-24</b>
<b>6</b>	<b>Transmission system for evacuation of power from Neemuch Solar Park (1000 MW)</b>	<b>Neemuch Transmission Limited</b>	<b>Feb-24</b>
<b>7</b>	<b>System Strengthening Scheme for Eastern and North Eastern Region</b>	<b>ER NER Transmission Limited (ENTL)</b>	<b>Oct-25</b>
<b>8</b>	<b>Transmission Scheme for evacuation of 4.5GW RE injection at Khavda PS under Phase II- Part B</b>	<b>Khavda II-B Transmission Limited</b>	<b>Mar-25</b>
<b>9</b>	<b>Transmission Scheme for evacuation of 4.5GW RE injection at Khavda PS under Phase II- Part C</b>	<b>Khavda II-C Transmission Limited</b>	<b>Mar-25</b>
<b>10</b>	<b>Transmission Network Expansion in Gujarat associated with integration of RE projects from Khavda potential RE zone</b>	<b>Khavda RE Transmission Limited</b>	<b>Mar-25</b>
<b>11</b>	<b>Establishment of Khavda Pooling Station-2 (KPS2) in Khavda RE park</b>	<b>KPS2 Transmission Limited</b>	<b>Dec-24</b>
<b>12</b>	<b>Establishment of Khavda Pooling Station-3 (KPS3) in Khavda RE park</b>	<b>KPS3 Transmission Limited</b>	<b>Dec-24</b>
<b>13</b>	<b>Inter-Regional ER-WR Interconnection</b>	<b>ERWR Power Transmission Limited</b>	<b>Mar-25</b>

14	<b>Transmission System associated with Western Region Expansion Scheme- XXVII (WRES-XXVII)</b>	<b>Raipur Pool Dhamtari Transmission Limited</b>	<b>Sep-24</b>
15	<b>Transmission System associated with Western Region Expansion Scheme- XXVIII (WRES-XXVIII) &amp; XIX (WRES-XIX)</b>	<b>Dharamjaigarh Transmission Limited</b>	<b>Mar-25</b>
16	<b>Transmission system associated with LTA applications from Rajasthan SEZ Part-E, Phase-II</b>	<b>Bhadla Sikar Transmission Limited</b>	<b>Sep-24</b>
17	<b>Additional 400kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool</b>	<b>Goa-Tamnar Transmission Project Limited</b>	<b>May-25</b>
18	<b>Establish Transmission System for 400 kV Udupi (UPCL) – Kasargode D/C Line</b>	<b>Udupi Kasargode Transmission Limited</b>	<b>Dec-24</b>
19	<b>Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)</b>	<b>Mumbai Urja Marg Limited (erstwhile, Vapi II- North Lakhimpur Transmission Limited)</b>	<b>Jun-24</b>
20	<b>Establishment of new 220/132kV substation at Nangalbibra</b>	<b>Nangalbibra-Bongaigaon Transmission Limited</b>	<b>Jun-24</b>
21	<b>Transmission System for evacuation of power from Pakaldul HEP in Chenab Valley HEPs – Connectivity System</b>	<b>Kishtwar Transmission Limited</b>	<b>Apr-25</b>
22	<b>Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link</b>	<b>Warora Kurnool Transmission Ltd.</b>	<b>Aug-23</b>
23	<b>Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC (ERSS-XXIX)</b>	<b>North Karanpura Transco Ltd</b>	<b>Nov-24</b>
24	<b>Transmission System for Karur Pooling Station (at a location in between Karur Wind zone and Tiruppur wind zone) along with LILO of both circuits of Pugalur – Pugalur (HVDC) 400 kV D/C line (with Quad Moose ACSR Conductor) at Karur PS</b>	<b>Karur Transmission Limited/PFC</b>	<b>Sep-23</b>
25	<b>Transmission scheme for evacuation of 3GW RE injection at Khavda P.S. under Phase-I</b>	<b>Khavda Bhuj Transmission Limited/PFC</b>	<b>Jan-25</b>
26	<b>Transmission System for evacuation of power from RE Projects in Osmanabad area (1 GW) in Maharashtra</b>	<b>Kallam Transmission Limited/REC</b>	<b>Oct-23</b>

<b>27</b>	<b>Evacuation of power from RE sources in Koppal Wind Energy Zone (Karnataka) (2500MW)</b>	<b>Koppal-Narendra Transmission Ltd./PFC</b>	<b>Sep-23</b>
<b>28</b>	<b>Transmission Scheme for Solar Energy Zone in Gadag (1000 MW), Karnataka – Part-A, Phase-I</b>	<b>Gadag Transmission Limited / REC</b>	<b>Dec-23</b>
<b>29</b>	<b>Transmission Scheme for Solar Energy Zone in Gadag (1500 MW), Karnataka – Part-A, Phase-II</b>	<b>Gadag II- A Transmission Limited (a subsidiary of ReNew Transmission Ventures Private Limited)</b>	<b>May-24</b>
<b>30</b>	<b>Transmission System for evacuation of power from RE projects in Rajgarh (2500 MW) SEZ in Madhya Pradesh</b>	<b>Rajgarh Transmission Limited/ REC</b>	<b>Nov-23</b>
<b>31</b>	<b>400 kV D/c Khandukhal (Srinagar) – Rampura (Kashipur) line (Twin HTLS*) (KRTL)</b>	<b>Khandukhal Rampura Transmission Limited (KRTL) (Subsidiary of Megha Engineering &amp; Infrastructures Limited (100%)/PFC</b>	<b>Sep-24</b>
<b>32</b>	<b>System strengthening in northern region (NRSS XXXVI) along with LILO of Sikar-Neemrana 400 kV D/C line at Babai (RVPNL)</b>	<b>NRSS XXXVI Transmission Ltd.</b>	<b>Dec-24</b>

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**ANNEXURE-IV****ANNEXURE REFERRED IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 3636 ANSWERED IN THE LOK SABHA ON 10.08.2023**

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**List of under progress ISTS Projects being executed by POWERGRID under RTM mode**

<b>S. No.</b>	<b>Project Name</b>	<b>Anticipated commissioning schedule (Month-Year)</b>
<b>1</b>	<b>North Eastern Region Strengthening Scheme-XII (NERSS-XII)</b>	<b>Nov-23</b>
<b>2</b>	<b>North Eastern Region Strengthening Scheme-XVIII (NERSS-XVIII)</b>	<b>Apr-25</b>
<b>3</b>	<b>NERSS-XIX</b>	<b>Apr-24</b>
<b>4</b>	<b>Eastern Region Strengthening Scheme - XXIII</b>	<b>Nov-24</b>
<b>5</b>	<b>Trans system for power evacuation from Arun-3-Indian Portion</b>	<b>Aug-23</b>
<b>6</b>	<b>Transmission Network Expansion in Gujarat to increase its ATC from ISTS (Part-B)</b>	<b>Mar-24</b>
<b>7</b>	<b>Transmission Project - Jamnagar Oil Refinery of Reliance Industries Limited (RIL) to connect with Jam khambhaliya ISTS PS</b>	<b>Dec-23</b>
<b>8</b>	<b>Western Region System Scheme XIX - POWERGRID Works</b>	<b>Mar-25</b>
<b>9</b>	<b>Eastern Region Strengthening Scheme-XXII</b>	<b>Aug-23</b>
<b>10</b>	<b>PROVISION OF SPARE ICT's IN EASTERN REGION</b>	<b>Aug-23</b>
<b>11</b>	<b>Eastern Region Strengthening Scheme - XXVII</b>	<b>Oct-23</b>
<b>12</b>	<b>Eastern Region Strengthening Scheme - XXXI</b>	<b>Apr-24</b>
<b>13</b>	<b>Eastern Region Strengthening Scheme - XXVIII</b>	<b>Dec-23</b>
<b>14</b>	<b>Eastern Region Strengthening Scheme - XXV</b>	<b>Oct-24</b>
<b>15</b>	<b>Eastern Region Strengthening Scheme - XXXVI</b>	<b>Oct-24</b>
<b>16</b>	<b>Scheme to control fault level in Northern Region (Phase-II)</b>	<b>Aug-23</b>
<b>17</b>	<b>Augmentation of Transformation Capacity in Southern Region</b>	<b>Sep-23</b>
<b>18</b>	<b>Implementation of 1 no. 400kV line bay at Kurnool New S/s for providing connectivity to M/s Greenko AP01 IREP Pvt. Ltd. (2nd 400kV line bay for M/s Greenko)</b>	<b>Dec-23</b>
<b>19</b>	<b>Evacuation of RE in Tirunelveli and Tuticorin Wind Energy Zone (Tamilnadu) 500 MW</b>	<b>Aug-23</b>



<b>20</b>	<b>Augmentation of Transformation Capacity by 1x500MVA, 400/220 kV ICT (6th) and common facility works at Pavagada (Tumkur) PS</b>	<b>Dec-23</b>
<b>21</b>	<b>Augmentation of Transformation Capacity by 1x500 MVA, 400/230 kV ICT (4th) at Hosur Substation</b>	<b>Nov-23</b>
<b>22</b>	<b>Augmentation of Transformation Capacity by 1x500 MVA, 400/230 kV ICT (4th) at Arasur Substation</b>	<b>Feb-24</b>
<b>23</b>	<b>Augmentation of Transformation Capacity by 1x500 MVA 400/220 kV ICT (4th) at Mysore substation in Karnataka</b>	<b>Apr-24</b>
<b>24</b>	<b>Transmission System for Kurnool Wind Energy Zone/ Solar Energy Zone (AP) – Part-A &amp; Part-B</b>	<b>Nov-24</b>
<b>25</b>	<b>Requirement of 1 no. 220kV line bay at 400/220 kV Amritsar (PG) by PSTCL</b>	<b>Sep-23</b>
<b>26</b>	<b>Western Region Expansion Scheme (WRES-26)</b>	<b>Jun-24</b>
<b>27</b>	<b>Western Region Expansion Scheme (WRES-31 ) : Part-C</b>	<b>Aug-24</b>
<b>28</b>	<b>TRANSMISSION SYSTEM STRENGTHENING BEYOND KOLHAPUR FOR EXPORT OF POWER FROM SOLAR &amp; WIND ENERGY ZONES IN SOUTHERN REGION - RE-CONDUCTORING OF KOLHAPUR (PG) - KOLHAPUR 400 kV D/C LINE</b>	<b>Aug-23</b>
<b>29</b>	<b>AUGMENTATION OF 1X500 MVA, 400/220 KV ICT (3RD )AT BHATAPARA (PG)</b>	<b>Aug-23</b>
<b>30</b>	<b>AUGMENTATION OF TRANSFORMATION CAPACITY BY 1X500 MVA 400/220 KV ICT (3rd) AT RAIGARH (PG) SUBSTATION</b>	<b>Nov-23</b>
<b>31</b>	<b>TRANSMISSION SYSTEM FOR EVACUATION OF POWER FROM PAKALDUL HEP IN CHENAB VALLEY HEPS - LTA SYSTEM</b>	<b>Apr-25</b>

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**ANNEXURE REFERRED IN REPLY TO PART (b) OF UNSTARRED QUESTION NO. 3636 ANSWERED IN THE LOK SABHA ON 10.08.2023**

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**List of new ISTS Projects being taken up for implementation**

<b>Sl. No.</b>	<b>Name of the Transmission Scheme</b>
1.	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase- III
2.	Creation of 400/220 kV, 2x315 MVA S/S at Siot, Jammu & Kashmir
3.	Transmission system for evacuation of power from Chhatarpur SEZ (1500 MW)
4.	Transmission scheme for Solar Energy Zone in Ananthpuram (2500 MW) and Kurnool (1000 MW), Andhra Pradesh
5.	Transmission Scheme for Solar Energy Zone in Bidar (2500 MW), Karnataka
6.	Transmission system for evacuation of power from Luhri Stage-I HEP (210 MW)
7.	North Eastern Region Expansion Scheme-XVI (NERES-XVI) -Establishment of New Gogamukh 400/220/132kV substation and associated transmission lines.
8.	Transmission system for evacuation of power from REZ in Rajasthan (7 GW) Ph-IV (Part1) (Bikaner Complex)
9.	Transmission Scheme for integration of Renewable Energy Zone (Phase-II) from Koppal-II (1 GW) (Phase-A & B) and Gadag-II (1 GW) (Phase- A) in Karnataka
10.	Transmission System for evacuation of additional 7 GW RE Power from Khavda RE Park under Phase-III
11.	Transmission scheme for evacuation of power from Dhule (2 GW) REZ
12.	Western Region Expansion Scheme XXXIII (WRES-XXXIII) -Establishment of 2x1500 MVA, 765/400kV and 2x500 MVA, 400/220 kV S/s at Karera and associated transmission line.
13.	Transmission system for evacuation of power from Shongtong Karcham HEP (450 MW) and Tidong HEP (150 MW)
14.	Transmission System for Evacuation of Power from RE Projects in Rajgarh(1000 MW) SEZ in Madhya Pradesh Phase-II
15.	Transmission system for evacuation of power from RE projects in Solapur (1500 MW) SEZ in Maharashtra
16.	Eastern Region Expansion Scheme-XXXIV (ERES-XXXIV) -Establishment of 765/400 kV, 2x1500 MVA GIS substation at Paradeep and associated transmission lines.
17.	Western Region Network Expansion scheme in Kallam area of Maharashtra (1.25 GW) -LIL0 of both circuits of Parli(M) – Karjat (M)/Lonikand-II (M) 400 kV D/c line (twin moose) at Kallam PS
18.	Transmission System for Evacuation of Power from potential renewable energy zone(7 GW) in Khavda area of Gujarat under Phase-IV
19.	Transmission System for Evacuation of Power from potential renewable energy zone (8 GW) in Khavda area of Gujarat under Phase-V

20.	<b>Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-2 :5.5 GW) (Jaisalmer/Barmer Complex)</b>
21.	<b>Augmentation of transformation capacity at 400/220 kV Nalagarh S/s by 400/220 kV, 1x500 MVA ICT</b>
22.	<b>Augmentation of transformation capacity at 400/220 kV Bikaner-II PS by 400/220 kV, 1x500 MVA ICT</b>
23.	<b>Eastern Region Expansion Scheme – XXXV (ERES-XXXV)- Switching arrangement within the Rangpo (POWERGRID) GIS S/s premises such that Rangpo-Melli and Rangpo – Rangit 132 kV S/c lines can be bypassed at Rangpo S/s end</b>
24.	<b>Augmentation of transformation capacity at Amargarh (GIS) S/s by 1x315 MVA, 400/220 kV ICT</b>
25.	<b>Eastern Region Expansion Scheme – XXXVI (ERES-XXXVI) - Installation of 220/132 kV, 1x200 MVA (4<sup>th</sup>) ICT at Ara (POWERGRID) S/s</b>
26.	<b>Augmentation of transformation capacity by 1x500 MVA, 400/220 kV ICT at Mysore substation in Karnataka</b>
27.	<b>Eastern Region Expansion SchemeXXXVII (ERESXXXVII)- Creation of 220 kV level in GIS at Lakhisarai (POWERGRID) 400/132 kV S/s with installation of 400/220 kV, 2x500 MVA ICTs</b>
28.	<b>Augmentation of transformation capacity by 1x1500 MVA, 765/400 kV ICT at Maheshwaram substation in Telengana</b>

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