

List of Lines to be monitored on Monthly basis to relieve congestion & system strengthening								
SI No	Name of the line	Approval Reference	Agency	Line length (ckm)	Expected year of commissioning	IA/ BPTA Sch.	Target/ Ant. Date	Reason for criticality
A Inter-regional connection to Northern Region and strengthening within NR								
1	765 kV Gwalior-Jaipur Ckt 1	29th SCM of WR on 10.09.09	POWERGRID	306	2014-15	July'14	Oct'14	Provides alternate path to Bina - Gwalior - Agra, thus Strengthens WR - NR corridor
2	765 kV Gwalior-Jaipur Ckt 2	29th SCM of WR on 10.09.09	POWERGRID	312	2014-15	Dec'14	Dec-14	
3	765 kV Jaipur-Bhiwani Ckt 1		POWERGRID	270	2014-15	Dec.'14	Dec-14	Alternate path between Gwalior & Bhiwani
4	765 kV Bareilly- Meerut S/C	29th SCM held of NR on 20.01.11	RPTL (RELIANCE)	240	2014-15			closes the 765 KV network corridor of NR and strengthening east-west NR corridor in UP
5	400KV Bareilly-Kashipur-Roorkee D/C	27th SCM held of NR on 30.05.09	POWERGRID	506	2014-15	Apr'13	Dec-14	Strengthening of inter-connection of Uttarakhand system with Northern GRID
6	765Kv Anta- Phagi D/C(both ckt charged at 400 KV and 765 KV Anta pooling station Not ready)		RRVNL	212/214	2014-15			would Facilitate Evacuation system for Kawai,Kalisindh and chabra generators
7	400 KV Phagi – Ajmer D/C		RRVNL	214	2014-15	Dec-11	Jan-15	would Facilitate Evacuation system for Kawai,Kalisindh and chabra generators
8	800 kV HVDC Chamapa-Kurukshetra		POWERGRID	2642	2015-16	Dec'15	Dec'15	Will help in evacuation of power from Chattisgarh area directly to NR
B Inter-regional connection to Western Region and strengthening within WR								
9	765 kV Angul-Jharsuguda Ckt 1	27th SCM of NR on 30.05.09, 29th SCM of WR on 10.09.09 SCM dt 08.11.08 of ER	POWERGRID	270	2014-15	May'14	Nov-14	Would facilitate evacuation of power from generation complexes in Odisha
10	765 kV Angul-Jharsuguda Ckt 2		POWERGRID	274	2014-15	May'14	Aug.'14	
11	765 kV Jharsuguda-Dharamjaygarh D/C	27th SCM of NR on 30.05.09, 29th SCM of WR on 10.09.09 SCM of ER on 14.09.09	POWERGRID	300	2014-15	May'14	Jun'14	Would facilitate evacuation of power from generation complexes of Odisha to load centres
12	765 kV Dharamjaygarh-Jabalpur D/C	29th SCM of WR on 10.09.09	POWERGRID	868	2014-15	July'14	Dec-14	Would facilitate evacuation of power from generation complexes of Odisha
13	765 kV Dharamjaygarh-Jabalpur D/C (Sterlite)	29th SCM of WR on 10.09.09	JTCL (Sterlite)	754	2014-15		Jun-14	& Chattisgarh to load centres beyond W3

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14	765 kV Raipur-Wardha D/C	29th SCM of WR on 10.09.09	POWERGRID	736	2014-15	May'14	Aug.'14	Strengthens Raipur-Wardha corridor for evacuation of power from IPPs in Chattisgarh and provide outlet of W3 to Mah and SR
15	765 kV Wardha-Aurangabad D/C	29th SCM of WR on 10.09.09	POWERGRID	694	2014-15	May'15	15/Jun/14	1. Evacuates power from Chattisgarh projects 2. Would relieve loading of 400 kV Wardha- Akola-Aurangabad D/C lines
16	400 kV Aurangabad-Boisar D/C		POWERGRID	700	2014-15	Dec'15	Mar'15	outlet to avoid overloading of 400 KV pune- sholapur D/C
17	765 kV Pune-Sholapur S/C	24th SCM of SR held on 18.06.07	POWERGRID	269	2014-15	Oct-14	Oct-14	NEW grid - SR constant will be relieved
18	400 kV Navsari-Boisar D/C		POWERGRID	378	2014-15	Oct'12	Mar'15	System strengthening MAH/GUJ system relieves 400 KV vapi- Boisar
19	765 kV Aurangabad-Sholapur D/C	36th SCM held on 29.08.13	POWERGRID	560	2015-16	Mar'16	Mar-16	Parallel path to Wardha-Parli-Solapur D/C and path way to SR interconnection
20	765 kV Aurangabad-Phadge D/C	29th SCM of WR on 10.09.09	POWERGRID	560	2015-16	May'15	May'15	outlet to avoid overloading of 400 KV pune- sholapur D/C
21	765 kV Akola-Aurangabad D/C	Tiroda, APL Evacuation	Adani Power	219	2014-15			Facilitate evacuation from APL, Tiroda and would relieve 400kV Wardha-Akola D/C lines
22	765 kV Jabalpur-Bina	29th SCM of WR on 10.09.09	Sterlite	236	2014-15		Jun-14	Would facilitate evacuation of power from generation complexes of Odisha & Chattisgarh to load centres
23	400 kV Mundra-Zerda D/C	Adani Power, Mundra(Bid-II)	GETCO	664	2014-15			APL generation evacuation system it relieves down stream lines from APL mundra and avoidance of loop flows of NR-WR
24	765 kV Bhopal-Indore S/C	29th SCM of WR on 10.09.09	Sterlite	174	2014-15		Apr-14	Would facilitate evacuation of power from generation complex of Orissa & Chattisgarh to load centre
25	765 kV Jabalpur-Bhopal S/C	29th SCM of WR on 10.09.09	Sterlite	261	2014-15		Sep-14	
26	765 kV Aurangabad -Dhule S/C	28th SCM of NR on 23.02.10	Sterlite	191	2014-15		Jun-14	System strengthening MAH/GUJ

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27	765 kV Dhule -Vadodara S/C	28th SCM of NR on 23.02.10	Sterlite	263	2014-15		Sep-14	System strengthening MAH/MP
28	400 kV Bhopal - Bhopal D/C		Sterlite	17	2014-15		Jul-14	System strengthening MAH/MP
29	400 kV Dhule - Dhule (MSETCL)		Sterlite	36	2014-15		Jul-14	
C	Inter-regional connection to Southern Region and strengthening within SR							
30	765 kV Angul-Srikakulam D/C (ER-SR)	30th SCM of WR held on 13.04.10	POWERGRID	550	2015-16	Jun'15	Jun'15	Provide alternate interconnection to SR from the eastern side
31	765 kV Srikakulam-Vemagiri D/C	33rd SCM of SR held on 30.09.11	POWER GRID under TCB		2014-15			
32	765 KV Kolhapur -New Narendra (Kudgi) D/C (WR-SR)	27th SCM held on 30.07.07	POWERGRID	396	2015-16	Apr-15	Dec'15	It will relieve 765KV Sholapur-Raichur ckts. More AC transmission lines connecting NEW grid and SR grid will bring stability in Grid
33	765 KV Wardha - Hyderabad D/C (WR-SR)	36th SCM of WR held on 29.8.13	POWERGRID		2015-16	Apr-16		Strengthen NEW-SR connectivity and direct to the load center
34	765 kV Raichur-Kurnool S/C	24th SCM on 18.06.07 5th SRPC meeting held on 25.08.2007	POWERGRID	118	2014-15	Sept'14	May-14	1. Strengthens NEW grid - SR corridor 2. Facilitates power transfer from NEW Grid
35	765 kV Kurnool-Thiruvalem D/C	32nd SCM of SR on 08.06.2011 & 17th SRPC meeting held on 12 August 2011	POWERGRID	710	2014-15	Nov.'14	Nov-14	Constraints between S1 & S2 zones will be relieved
36	400 kV Vijaywada-Nellore D/C (new)	32nd SCM of SR on 08th June 2011 17th SRPC meeting on 12 August 2011	POWERGRID	686	2014-15	Nov.'14	Nov-14	NEW Grid-SR Constraint on SR side will be relieved
37	400 kV Gooty-Madhugiri D/C	28th SCM of SR on 15.06.09	POWERGRID	422	2014-15	Jun-14	*	Facilitates power transfer from NEW Grid
38	400 kV Madhugiri-Yelahanka D/C	29th SCM of SR on 27.08.2009	POWERGRID	154	2014-15	Jun'14	*	Facilitates power supply to load centers of Karnataka
39	765 kV Madhugiri-Salem S/C	29th SCM of SR on 27.08.2009	POWERGRID	230	2014-15	Dec'14	Dec-14	Constraints between S1 & S2 zones will be relieved
40	400 kV Thiruvalem-Sholingallur D/C	32nd SCM of SR on 06.07.2011	POWERGRID	300	2014-15	Nov.'14	Nov-14	Constraints between S1 & S2 zones will be relieved
41	400 kV Kozhikode-Mysore D/C	16th SCM of SR held on 20.01.03	POWERGRID	418	2014-15	Dec-07	*	
42	765 kV Sholapur-Raichur S/C (RSTCL)	24th SCM of SR held on 18.06.07	RSTCL	208	2014-15		Apr-14	NEW grid- SR constaint will be relieved

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43	400 kV Sholingallur-Pugalur D/C	29th SCM of SR on 27.08.2009	TANTRANSCO	770	2014-15		Jun-14	Facilitate Evacuation of Wind Generation Located in Tirunelveli & Madurai area
44	400 kV Thiruvallam-Mettur Stage III D/C		TANTRANSCO	560	2014-15			Constraints between S1 & S2 zones will be relieved
45	400 KV Karaikudi - Pugalur 400 kV	29th SCM of SR on 27.08.2009	TANTRANSCO	326	2014-15			Facilitate Evacuation of Wind Generation Located in Tirunelveli & Madurai area
46	400 kV UPCL-Mylati-Kozhikode D/C	35th SCM of SR on 04.01.2013 for implementation through tariff based competitive bidding (TBCB)	TBCB		2014-15			North Kerala Drawl capacity increases and will be having reliable supply
D	Inter-regional connection to Eastern Region and strengthening within ER							
47	400 kV Sagardighi - Behrampur D/C	25th ERPC meeting held on 21-09-13	POWERGRID	60	2015-16	Dec'15	Dec'15	Relieve congestion in existing 400kV Farakka-Baharampur S/C section and provides the stable power supply to Bangladesh
48	400 kV Rajarhat - Purnea D/C (LILO of one ckt. Each at FSTPP and at Gokarna)	SCM on 28 Dec 2010	POWERGRID	870	2016-17	Apr'16	Apr'16	Relieve loading of 400 kV Farakka-Malda D/C and will improve ER-NR and ER-NER Transfer Capability
49	400 KV Teesta III – Kishanganj 400kV D/c and LILO of 400 KV Teesta III – Kishanganj 400kV D/c at Rangpo		Teesta valley Power transmission limited/ POWERGRID	420	2014-15			Facilitate reliable Evacuation system of the TEESTA III ,chuzhachan generation
50	400 kV Raghunathpur – Ranchi (PG)		DVC	311	2014-15	Jun-14		Associated transmission system for Raghunathpur generating station and connecting to the high capacity corridor

E	Inter-regional connection to Northeastern Region and strengthening within NER							
51	400 kV Silchar (PG)-Imphal (PG) D/C to be charged at 132 kV	SCM of NER on 25.06.2008	POWERGRID	332	2014-15	Dec.'12	Nov.'14	Decongestion of 132 kV Loktak-Imphal II & 132 kV Loktak - Ningthoukhong lines & evacuation of power from Palatana. Enhanced drawal capability of Manipur

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52	400 kV Silchar(PG)-Melriat D/C to be charged at 132 kV	SCM of NER on 25.06.2008	POWERGRID	286	2014-15	Dec.'12	Mar'15	Enhancement of drawal capability of Mizoram
53	220 kV Mariani (new)-Mokikchung D/C	SCM of NER on 25.06.2008	POWERGRID	96	2014-15	Dec.'12	Oct.'14	Enhancement of drawal capability of Nagaland
54	400 kV Bongaigoan -Binaguri D/C` (ER-NER)	20th SCM of NR on 22.04.2006	ENICL(Sterlite Grid Ltd)	444	2014-15			Strengthening the path to NER from ER
55	400 kV Silchar-Bongaigaon D/C (NETCL) with one circuit LILO at Kukarmara and the other at Byrnihat	SCM of NER on 25.06.2008	NETCL	402	2014-15		Jun-14	Facilitate full evacuation of both the Modules of Palatana Power and connecting directly Guwahati and shillong loads.
56	220 kV BTPS-Agia 2nd circuit		AEGCL	65	2014-15		Dec-14	Enhancement of Transfer Capability of NER-ER corridor
F	critically required Associated Transmission systems							
57	400 KVKrishnapatnam TPP - Bonapally (Quad)		APTransco		2014-15		Jun-14	
58	400 KV Bonapally - Chittoor (Quad)		APTransco		2014-15		Jun-14	
59	400 KV kamalanga- Angul PS D/C		GMR		2014-15			
60	400 KV Derang - Angul PS D/C		JITPL		2014-15			
61	400 KV MBTPS(Anupur)- Jabalpur Pooling station		POWERGRID	492	2014-15	Oct'13	Jun'14	
62	400 kV Moga – Nakodar		PSTCL	155	2014-15		Jun-14	
63	400 kV Rajpura Thermal -Nakodar		PSTCL	279	2014-15		May-14	
64	400 kV Talwandi Sabo-Mukatsar		PSTCL	200	2014-15		May-14	
65	220 kV Goindwal Sahib -Bottianwala 2		PSTCL	130	2014-15		Jun-14	
66	Koradi TPS – Wardha		MSETCL	239	2014-15		Jun-14	
67	Koradi TPS – New Khaparhkeda		MSETCL	29	2014-15		Sep-14	
<p>Note : Line Capacity: Capacity of 220 kV line is 200 MW Capacity of 400 kV line is 500 MW Capacity of 765 kV Line is 2200 MW Capacity of +/-800 kV HVDC : it will depend on the converter station not on line voltage. For Champa Kurukshetra Line , it is 3000 MW.</p>								