Annexure- A

Transmission - Details of Plan Provisions & Physical Targets for Annual Plan 2009-10 (Revised) & Annual Plan 2010-11 (Proposed)

Rs. in lakhs

S.No.	Scheme	Category	Line Length (Ckt. kM)	Capacity (in MVA)	Estimated Cost	Working Target / Dt. of Comm.	Annual Plan 2009-10 (Revised)			Annual Plan 2010-11 (Proposed)		
							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
I	**765kV SCHEMES**											
A	**NEW START SCHEMES**											
	Composite Power Evacuation System {Chhabra Super Critical TPS (2x660MW) & Kalisindh TPS (2x600 MW)}											
1	MVA, 765/400 kV GSS at Phagi(Jaipur South) alongwith 2 sets of 765kV, 3x80 MVAR (single phase) Line Reactors and 400kV, 1x125 MVAR Bus Reactor at Phagi (Jaipur South)	ES		2x1500	83285.06	2013-14	1500			40000		
2	400/765 kV GSS at Anta(Baran) Pooling Station alongwith 2 sets of 765kV, 3x80 MVAR (single phase) Line Reactors.	ES		2x1500	50463.53	2013-14						
3	765 kV,2 X S/C Anta- Phagi(Jaipur South)	ES	450		68161.38	2011-12						
	I Total (765kV)						**1500**			**40000**		
II	**400kV SCHEMES**											
A.	**ON GOING SCHEMES**											
	Normal Development Works											
1	Ratangarh - Merta link line including shunt reactors and allied equipments at Ratangarh & Merta	BPTS,LR, BVP	181		8890.00	9.5.08	1100			100		
2	400 kV S/C Jodhpur - Merta line (Second ckt.)		98		8332.12	2010-11	4300			1500	98	
	DHOLPUR GTPS Evacuation System (Phase-I)											
3	400kV S/C GTPS Dholpur-Heerapura line with bay equipments including shunt reactors and allied equipments at Heerapura	ES	295		10319.17	3.2.08	1550			550		
	Normal Development Works											
	CHHABRA TPS Evacuation System(Stage I) (Phase I)											
4	400 kV D/C Chhabra TPS - Dahra line	ES	261		71682.46	13.2.09	9700			4500		
5	400kV S/C Dahra - Bhilwara line(10 kM D/C span at Bhilwara end) with 400 kV GSS at Bhilwara (with 50 MVAR line reactor at Bhilwara)	ES	186	315		2009-10		186	315			
6	400kV S/C Chhabra - Hindaun line(400 kV D/C span length of 11.282 kM.at Hindaun end and D/C span length of 25.5 kM at Chhabra end) with 400 kV GSS at Hindaun (with 50 MVAR line reactor at Hindaun)	ES	342	315		2009-10/ 2010-11		342				315
7	LILO of 400kV Dholpur CCGT- Heerapura line at 400kV S/S Hindaun (with one 2 kM D/C length at 400 kV GSS Hindaun end)	ES	9			25.11.09		9				
	Evacuation of KTPS (Unit-VII)											
8	Interconnecting line 400 kV D/C KTPS -Kota (PG) on twin moose conductor (to be charged on 220 kV)	ES	13		915.75	2009-10	Incl. in S.No. 4	13		Incl. in S.No. 4		

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
	STPS Evacuation System (Unit-6)											
9	400kV S/C STPS - Bikaner line with 400 kV S/S at Bikaner (with Switchable reactor)	ES	162	315	19039.40	2009-10	2300	162	315	1300		
	RAJ WEST LTPS Evacuation System (Phase-II)											
10	400 kV D/C Raj West - Jodhpur line and 400 kV line bays at Jodhpur with Reactor on each line	ES	418		40365.13	2010-11	8000			2500	418	
11	400 kV D/C Raj West - Barmer line with 400 kV bay at Barmer	ES	31		3308.11	2009-10		31				
	WIND POWER Evacuation in Jaisalmer/Barmer area (Phase - I)											
12	400 kV S/C Akal (Jaisalmer) - Jodhpur line (10 kM D/C span length at both ends)(charged on 220 kV)	ES	250		20156.15	2010-11	4800			1200	250	
13	400 kV S/C Akal(Jaisalmer) - Barmer line(10 kM D/C span length at both ends) (charged on 220 kV)	ES	143		12191.00	2009-10		143				
	WIND POWER Evacuation in Jaisalmer/Barmer area (Phase - II)											
14	400 kV GSS at Akal(Jaisalmer) with 1x50 MVAR line Reactor & 1x50 MVAR Bus Reactor	ES		2x315	10712.74	2010-11	8000			5000		315
15	400 kV GSS at Barmer	ES		315	6093.23	2009-10			315			
16	1 No. 400 kV bay with line Reactor at 400 kV GSS Jodhpur	ES			1596.44	2010-11						
B.	**NEW START SCHEMES**											
	Composite Evacuation System [Chhabra Super Critical TPS (2x660MW) and Kalisindh TPS (2x600 MW)]											
17	400/220 kV GSS at Ajmer	ES		2x315	12334.01	2012-13	1000			7500		
18	Terminal 400 kV Bays at existing 400 kV Substation at Heerapura	ES			996.09	2011-12						
19	400 kV D/C (Quad Moose) Kalisindh TPS -Anta(Baran) Pooling Station Line (For Kalisingdh TPS)	ES	200		18948.83	2011-12				7000		
20	400 kV D/C (Quad Moose) Chhabra TPS - Anta(Baran) Pooling Station Line (For Chhabra TPS)	ES	260		24632.16	2011-12						
21	400 kV D/C (Twin Moose) Phagi (Jaipur South-765 kV) - Ajmer Line	ES	250		11603.74	2011-12						
22	400 kV D/C (Twin Moose) Phagi (Jaipur South-765 kV) - Heerapura Line	ES	80		3716.19	2012-13						
	Power Evacuation of Banswara Super Critical TPS											
23	400/220 kV GSS at Udaipur alongwith 400kV, 1x80 MVAR Bus Reactor, 2x50MVAR Line Reactors at Udaipur end of 400kV D/C Banswara TPS-Udaipur line and 2x50MVAR Line Reactors at Udaipur end of 400kV D/C Udaipur-Jodhpur (New) line.	ES	-	2x315	15214.3	2013-14				27500		
24	400/220 kV GSS at Jodhpur (New) alongwith 400kV, 1x80 MVAR Bus Reactor at Jodhpur (New), and 2x50MVAR Line Reactors at Jodhpur end of 400kV D/C Udaipur-Jodhpur(New) line.	ES	-	2x315	14790.96	2013-14						
25	400/220 kV GSS at Chittorgarh alongwith 400kV, 1x80 MVAR Bus Reactor, and 2x50MVAR Line Reactors at Chittorgarh end of 400kV D/C Banswara TPS-Chittorgarh line.	ES	-	2x315	13834.05	2014-15						
26	Terminal 400 kV Bays at existing 400kV Substation Bhilwara	ES	-		2440.86	2013-14						
	400kV Interconnecting Lines :	ES										

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
27	400 kV D/C Banswara TPS- Udaipur (Quad Moose) Line	ES	320		30315.48	2013-14						

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
28	400 kV D/C Udaipur- Jodhpur (New) (Twin Moose Line)	ES	490		22739.09	2013-14						
29	400 kV D/C Banswara TPS- Chittorgarh (Quad Moose) Line	ES	360		34104.37	2014-15						
30	400 kV D/C Chittorgarh-Bhilwara (Twin Moose) Line	ES	100		4644.14	2014-15						
31	400 kV D/C Bhilwara-Ajmer (Twin Moose) Line	ES	300		13923.6	2014-15						
32	400 kV inter-connections at 400/220 kV GSS at Jodhpur(New) by LILO of nearby 400 kV S/C lines (20 kms, 2xD/C)	ES	80		3716.19	2013-14						
	Power Evacuation Scheme of Suratgarh Super Critical TPS											
33	400/220 kV GSS at Babai (Jhunjhunu) alongwith 400kV, 1x80 MVAR Bus Reactor and 2x80MVAR Line Reactors at Babai end of 400kV D/C Suratgarh TPS-Babai (Jhunjhunu) line.	ES	-	2x315	14388.31	2012-13	1000			22500		
34	Terminal 400 kV Bays at existing 400 kV Substation Bikaner (with 400kV, 1x50 MVAR Shunt Line Reactor at Bikaner end of 400kV S/C Bikaner-Merta line.)	ES	-		2760.19	2012-13						
35	Terminal 400 kV Bay at existing 400 kV Substation Mertacity with 400kV, 1x50 MVAR Shunt Line Reactor at Merta end of 400kV S/C Bikaner-Merta line.	ES	-		1387.99	2012-13						
36	400/220 kV GSS at Jaipur (North)	ES	-	2x315	10112.39	2012-13						
	400kV Interconnecting Lines :		-									
37	400 kV D/C Suratgarh TPS- Babai (Jhunjhunu)(Quad Moose) Line	ES	460		43576.58	2012-13						
38	400 kV D/C Babai (Jhunjhunu)- Jaipur (North) (Twin Moose) Line	ES	260		12067.71	2012-13						
39	400 kV D/C Suratgarh TPS- Bikaner (Twin Moose) Line	ES	340		15779.49	2012-13						
40	400 kV S/C Bikaner- Merta (Twin Moose) Line	ES	200		11899.74	2012-13						
	II TOTAL (400kV)						**41750**	**886**	**945**	**81150**	**766**	**630**
	TARGET 400 kV - WORKING							**886**	**945/3**		**766**	**630/2**
	- ACHIVEABLE							**500**	**945/3**		**750**	**630/2**
III	**220kV SCHEMES**											
A.	**ON GOING WORKS**											
.	**GIRAL LTPS Evacuation System (Phase-I)**											
1	220kV 2X S/C Giral LTPS-Barmer lines	ES	67		3953.61	I ckt 31.03.06 II ckt 1.10.09	400	35				
2	LILO of 220kV Amarsagar-Barmer line (one ckt. LILO only) to Giral LTPS	ES	10									
3	i) 220kV S/C Barmer-Dhorimanna line with 220kV S/S at **Dhorimanna**	ES	72	100		27.03.07						
	ii) 220 kV S/C Dhorimanna - Bhinmal line	ES	92			5.1.09						
	Normal Development Works											
4	220 kV S/C Bhiwadi(400 kV PGCIL) - Neemrana line with 220 GSS at **Neemrana (Alwar)** (Financed by NCRPB)	LC,LR	52	100	3398.90	21.9.08	150			50		
5	LILO of one ckt. of 220 kV D/C Bassi-Heerapura line at Indira Gandhi Nagar (Jagatpura) with 220 kV Hybrid GSS at Indira Gandhi Nagar (Turnkey)	LC	18	2x100	6398.70	2010-11	3500			2700	18	100
6	220kV S/C line Dhorimanna - Sanchore with 220kV S/S at Sanchore (Jalore) for Narmada Canal Project (Line-Turnkey)	LC	64	100	3199.88	2010-11	1200			1200	64	100
	Interconnecting Lines											
7	Interconnecting line 220 kV S/C Kankroli(PG) - Debari	LC,SS	63		1568.75	6.7.09	350	63				

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
8	Opening of existing 220 kV Kota-Bhilwara (Ckt.No.1) and connecting its one end to 400 kV Kota(PG) and another end to Kota-Jaipur (3rd Ckt) outside the 220 kV Sakatpura GSS (LILO)	SS	11		40.49	2010-11				40	11	
	GIRAL LTPS Evacuation System (Phase-II)											
9	220 kV S/C Giral LTPS - Balotra	ES	103		1643.09	26.11.09	700	103				
	Barsingsar LTPS Evacuation System											
10	220kV Barsingsar - Phalodi line (Turnkey)	ES	140		3083.00	2010-11	1200			1200	140	
	CHHABRA TPS Evacuation System (Stage-I, Phase-I)											
11	220kV S/C Chhabra TPS (400kV GSS RVUN) - Jhalawar (220kV GSS) line	ES	100		9193.56	2010-11	3500			1000	100	
12	LILO of 220kV S/C Bhilwara - Pali line at 400 kV S/S Bhilwara	ES	10			19.8.09		10				
13	LILO of 220kV Bhilwara - Bali line at 400 kV S/S Bhilwara	ES	6			19.8.09		6				
14	220kV D/C Hindaun (400kV) - Hindaun (220kV) line	ES	16			9.9.09		16				
15	220 kV S/C Hindaun (400 kV GSS) - Mandawar line	ES	46			2009-10		46				
16	220 kV S/C Chhabra - Baran - Dahra line with 220 kV GSS at **Baran**	ES	138	100		26.05.09		138	100			
	STPS Evacuation System (Unit-6)											
17	LILO of 220 kV S/C Bikaner - Sridungargarh line at 400 kV GSS at Bikaner	ES	2		Incl. in 400kV scheme	2009-10	700	2		200		
18	LILO of 220 kV S/C Bikaner - Nagaur line at 400 kV GSS Bikaner	ES	40			2009-10		40				
19	220 kV S/C STPS Suratgarh -Bhadra line with S/S at **Bhadra** (Hanumangarh) (line-Turnkey)	ES	114	100	3980.10	23.04.09	600		100	50		
20	220 kV S/C line to connect 400 kV STPS - Bikaner line near STPS with STPS end of unutilised 220 kV STPS - Suratgarh line	ES	3		109.00	23.9.09	100	3		-		
	Normal Development Works											
21	LILO of 220 kV S/C Heerapura - Kukas line at VKIA with 220 kV S/S at **VKIA**	LC,SS	2	100	2698.90	12.08.08	300			-		
22	LILO of 220 kV Ajmer - Phulera line at Kishangarh (Ajmer) with 220 kV GSS at **Kishangarh**	LC,SS	0.23	100	2490.40	12.08.08	300			-		
23	220 kV S/C Merta - Makrana - Kuchaman line	SS	115		3067.90	2009-10	1100	108		100		
24	LILO 220 kV D/C Heerapura - Reengus line (one ckt. LILO) to Renwal with 220 kV S/S at **Renwal (Jaipur)**	LC,LR	49	100	2709.76	28.05.09	1200	49	100	100		
25	(i) LILO of II ckt. of 220 kV D/C Bhiwadi (RVPN) - Alwar line with 220 kV GSS at **Khushkhera**	LC,LR	5	2x100	3263.58	3.1.09	500			400		
	(ii) 220 kV S/C Bhiwadi (PG) - Bhiwadi (RVPN) line		10			2010-11					10	
26	Stringing of 2nd ckt. of 220 kV Banswara - Debari line from Banswara to Salumber with its connectivity to 132 kV GSS Salumber by laying 5 kM 220 kV D/C line (to be charged on 132 kV)	SS	87		1253.00	18.8.09	500	87				
	RAJ WEST LTPS Evacuation System (Phase - I)											
27	220 kV D/C RajWest - Barmer line (with two 220 kV bays at Barmer)	ES	27		1028.81	20.3.09	50					
28	220 kV S/C RajWest - Dhorimanna line (with one 220 kV bay at Dhorimanna end) (Turnkey)	ES	90		2318.68	2010-11	1000			900	90	
	WIND POWER Evacuation in Jaisalmer/Barmer area (Phase - I)											
29	LILO of both the circuits of 220kV D/C Amarsagar-Barmer lines (17kM D/C each) upto proposed 400kV Akal (Jaisalmer) GSS	ES	78		1317.90	2010-11	700			2000	78	

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
30	220kV D/C lines (3 circuits of 5kM D/C each) in approach span at proposed 400kV Akal (Jaisalmer) GSS and 8 nos. 220 kV bays at 400 kV Akal(Jaisalmer)	ES	30		1541.55	2010-11					30	
	Normal Development Works											
31	LILO of 220 kV Duni-Heerapura line to SEZ -I with 220 kV GSS SEZ-I at Mahindra's SEZ, Jaipur (Phase - I)	LC	15	100	2978.49	25.11.09	1850	15	100	200		
32	220 kV S/C line from 220kV Bali GSS to connect with 220kV Pindwara line	SS	3		321.54	2009-10	150	3		100		
33	220 kV S/C Kankroli (PG)-Kankroli (RVPN) line	SS	8		265.87	2009-10	200	8		50		
34	**Jaipur City EHV network strengthening scheme-1**											
a	220kV, 2x160 MVA capacity GIS Substation at Mansarovar (Jaipur) alongwith associated lines and allied works				13428.94	2010-11	100			7500		
i.	220 kV GIS Substation at existing 132 kV Substation at Mansarovar (Jaipur)	SS		2x160								160
ii.	Up-gradation of existing 132 kV D/C Line to 220 kV D/C Lines Between 220 kV Sanganer to 220 kV Mansarovar (Proposed)	SS	19								19	
iii.	2 Nos. 220 kV Terminal Bays at 220 kV Substation at Sanganer	SS										
iv.	220 kV S/C Tapping Line on Tubular Pole/Narrow base Tower (1.5 Km), 220 kV D/C Composite Portion on Tubular Pole/ Narrow base Tower (2 Km) by conversion of existing 132 kV S/C Heerapura-Sanganer Line & 220 kV XLPE Cable S/C (2.5 Km) from Tapping Point	SS	6								6	
v.	1 Nos. 220 kV Terminal Bays at 400 or 220 kV Substation at Heerapura	SS										
vi.	Up-grading and Up-rating of existing 132 kV S/C Line to 132 kV D/C on Tubular Poles between existing 132 kV GSS Mansarovar and 132 kV GSS Chambal and associated terminal bays and strengthening	SS	7								7	
vii.	132 kV Terminal Bay at existing 132 kV Substation at Chambal	SS										
b	220kV GIS Substation at Nallah Power House (Jaipur) alongwith associated lines and allied works				8289.37	2010-11	100			4500		
i.	220 kV GIS substation at existing 132 kV Nallah Power House, Jaipur	SS		2x160								160
ii.	Up-gradation of existing 132 kV (S/C & D/C Sections) Line to 220 kV D/C Line Between 220 kV Heerapura to 220 kV Nallah Power House (Proposed)	SS	18								18	
iii.	2 Nos. 220 kV Terminal Bays at 400 kV Heerapura/ 220 kV Substation at Heerapura	SS										
iv.	Up-rating & Refurbishment of 132 kV S/C Line between existing 220 kV Heerapura to 132 kV Chambal and associated strengthening of terminal bays.	SS	7								7	
c	Up-gradation of existing 132 kV Line				789.51	2010-11	300			450		

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							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
i.	Up-gradation of existing 132 kV D/C Line to 220 kV D/C Lines (to be charged on 132 kV for present) between 132 kV Kunda-Ki- Dhani to 132 kV Purana Ghat	SS	20								20	
35	LILO of 220kV S/C Chhabra TPS-Baran-Dahra line with 220kV GSS at **Kawai (Baran)**	ES	2	100	2019.83	9.6.08	100					
36	LILO of 220 kV S/C Bassi-Phulera line with 220kV GSS at Bagru I/A (Jaipur)	LC,LR	9	100	3347.51	2009-10	2500	9	100	250		
37	LILO of 220kV S/C Jodhpur- Balotra line with 220kV GSS at Boranada I/A (Jodhpur)	LC,LR	2	100	3032.22	2009-10	2000	2	100	250		
38	LILO of 220 kV Debari - Banswara line for 220 kV Madri with 220 kV GSS at Madri (Udaipur)	LC,LR	32	200	3412.72	2010-11	1200			1000	32	100
39	LILO of one ckt. of existing 220 kV D/C KTPS - Beawar line at proposed 220 kV GSS Gulabpura	LC,LR	20	100	2436.92	2010-11	800			1200	20	100
40	i)LILO of proposed 220 kV S/C Badarpur - Alwar line at proposed 220 kV GSS MIA Alwar	LC,LR	10	100	3428.49	2010-11	1200			1500	10	100
	ii)220 kV S/C Mandawar -AlwarMIA line (Turnkey)		56			2010-11					56	
41	i)220 kV Khushkhera - Neemrana line (Turnkey)	SS	56		4000.54	2010-11	1000			2200	56	
	ii)220 kV D/C Neemrana - Kotputli line (Turnkey)	SS	100			2010-11					100	
42	LILO of one ckt. of existing 220 kV D/C Bhiwadi - Alwar line at proposed 220 kV GSS Kishangarh Bas with 220 kV GSS at Kishangarh Bas	LC,LR	4	100	2123.25	2010-11	700			1200	4	100
43	(i) LILO of 220 kV S/C Hissar - Khetri line with 220 kV GSS at Chirawa (Line-Turnkey)	LC,SS	40	100	5928.77	2010-11	1000			3000	40	100
44	(ii) 220 kV S/C Bhadra - Chirawa line (Turnkey)	SS	125			2010-11					125	
45	LILO of 220 kV S/C Sikar - Kuchamancity line at proposed 220 KV GSS Dhod with 220 kZV GSS at Dhod (Sikar)	LC,LR	8	100	2905.17	2010-11	1200			1200	8	100
46	LILO of 220 kV S/C Bikaner - Nagaur line at proposed 220 kV GSS Nokha with 220 kV GSS at Nokha (Bikaner)	LC,LR	10	100	3414.39	2010-11	1400			1400	10	100
B.	**NEW START SCHEMES**											
47	**Jaipur EHV network strengthening scheme-II**	SS										
	Phase -I											
(i)	220kV GIS Substation at existing 132 kV Sub station at Puranaghat	SS		160	9892.30	2010-11	500			5000		160
(ii)	2 Nos 220kV Terminal Bays(one diameter) at 220 kV Sub station at Indira Gandhi Nagar (Jagatpura)											
(iii)	2 Nos 220kV Terminal Bays at 220 kV Sub station Kukas											
(iv)	Upgradation of 132 kV S/C line to 220 kV D/C lines between 220kV Indira Gandhi Nagar (Jagatpura) & 220kV Puranaghat	SS	8								8	
(v)	New 220 kV D/C lines between 220 kV Kukas to Kunda Ki Dhani (for connecting to already approved 220 kV KK Dhani to Purana Ghat line)	SS	8								8	
(vi)	LILO of one ckt of 220kV D/C Kukas - Indira Gandhi Nagar Line at Puranaghat	SS	1								1	
(vii)	Upgradation of 132 kV D/C line to 220 kV D/C lines (to be charged on 132kV) between 220kV Puranaghat (Proposed) to 132 kV Jawahar Nagar	SS	14								14	

S.No.	Scheme	Category	Line Length (Ckt. kM)	Capacity (in MVA)	Estimated Cost	Working Target / Dt. of Comm.	Annual Plan 2009-10 (Revised)			Annual Plan 2010-11 (Proposed)		
							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
	Phase -II											
(viii)	2nd Transformer at 220kV GSS at Puranaghat	SS		160		2010-11						160
48	**Interconnections for 400 kV GSS Deedwana (RVPN Scope)**											
i.	LILO of proposed 220 kV S/C Kuchamancity - Dhod line at proposed 400 kV GSS Deedwana	SS	80		1849.58	2011-12	50			500		
49	**Interconnections for 400 kV GSS Alwar (RVPN Scope)**											
i.	LILO of existing 220 kV S/C Dausa-Alwar line at proposed 400 kV GSS Alwar	SS	20		673.31	2011-12	50			400		
ii.	LILO of 220 kV S/C Mandawar - Alwar (MIA) line at proposed 400 kV Alwar GSS	SS	20		673.31	2011-12						
50	**220 kV Interconnections at PGCIL's 400/220 kV GSS at Bhinmal**											
i.	LILO of 220 kV S/C Sirohi-Bhinmal line at PGCIL;s 400/220 kV Bhinmal GSS	SS	10		2486.33	2011-12	150			700		
ii.	220 kV S/C line from PGCIL's 400/220 kV Bhinmal GSS to RVPN's 220 kV GSS Bhinmal(covered in Sr. no. iii below)	SS				2011-12						
iii.	220 kV S/C line from PGCIL's 400/220 kV Bhinmal GSS to RVPN's 220 kV GSS Sanchore(6.8 kM D/C at 400 kV Bhinmal end & 4 kM D/C at 220 kV Sanchore end)	SS	82			2011-12						
51	220 kV D/C line to connect the LILO of 220 kV S/C Heerapura-Khetri line(second ckt.) to LILO of one ckt. of 220 kV D/C Neemrana- Kotputli line	SS	100		2004.65	2011-12	150			600		
	Composite Power Evacuation System [Chhabra Super Critical TPS (2x660MW) and Kalisindh TPS (2x600 MW)]											
52	LILO 220kV Ajmer-Beawer Line at 400kV Ajmer GSS	ES	20		408.5	2011-12	200			500		
53	LILO 220kV Ajmer-Kishangarh Line at 400kV Ajmer GSS	ES	20		408.5	2011-12						
54	For Kalisindh TPS (2x600MW): 220kV D/C Kalisindh-Jhalawar Line	ES	20		649.52	2011-12						
	Power Evacuation System of Banswara Super Critical TPS (2x660 MW)											
	220kV Interconnecting Lines :									2000		
55	220 kV Interconnections at 400/220 kV GSS Udaipur	ES	50		2043.68	2013-14						
56	220 kV Interconnections at 400/220 kV GSS Chittorgarh	ES	50		2043.68	2013-14						
57	220 kV Interconnections at 400/220 kV GSS Jodhpur (New)	ES	50		2043.68	2013-14						
58	220 kV D/C Banswara TPS- Banswara (220 kV GSS) Line	ES	20		409.62	2013-14						
	Power Evacuation System of Suratgarh Super Critical TPS											
	220kV Interconnecting Lines :											
59	220 kV Interconnections at 400/ 220 kV GSS Babai(Jhunjhunu)	ES	50		2044.79	2011-12				1000		
60	220 kV Terminal Bays at varios 400/220 kV Substations (6 No.)	ES			1078.12	2011-12						
61	220 kV Interconnections at 400/ 220 kV GSS at Jaipur (North)	ES	60		2453.3	2011-12						
	Power Evacuation System of Ramgarh GTPS (Stage-III) :											
62	220/132kV, 2x100 MVA GSS at Dechu (New location)	ES	2x100		4307.69	2011-12	800			4800		
63	220 kV D/C Ramgarh GTPP-Dechu line	ES	420		8655.07	2011-12						
64	220kV S/C Dechu -Tinwari line	ES	80		1931.89	2011-12						
65	220kV S/C Dechu -Phalodi line	ES	40		967.05	2011-12						
C	Any other New 400 kV & 220 kV Scheme (to be identified)						500			4000		

S.No.	Scheme	Category	Line Length (Ckt. kM)	Capacity (in MVA)	Estimated Cost	Working Target / Dt. of Comm.	Annual Plan 2009-10 (Revised)			Annual Plan 2010-11 (Proposed)		
							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
D	220 kV Bus Bar Protection Scheme						100			2000		
E	Carried Over Liabilities (Civil works & Bal.Elect. Works - 220kV & 400kV)of Sub Stations & Lines Commissioned in last 3 years only						1000			800		
	III. TOTAL (220kV)						**37350**	**743**	**600**	**58240**	**1110**	**1540**
	TARGET 220 kV - WORKING							**743**	**600/6**		**1110**	**1540/13**
	- ACHIVEABLE							**500**	**500/5**		**600**	**800/8**
IV	**132kV SCHEMES**											
A.	Carried Over Liabilities for Civil works & balance Electrical works for S/S & Lines commissioned in last 3 years						1000			800		
B.	**ON GOING SCHEMES**											
	Normal Development Schemes											
1	LILO of 132kV Barmer - Gadra Road line to 220kV Barmer	VR,LR	15			2009-10	150	15				
2	Sheo - Undoo line with S/S at **Undoo**	VR,LR	48	25	1099.07	1.12.08	100			-		
3	Sawaimadhopur-Bhadoti line with S/S at Bhadoti (Sawaimadhopur) Lline - Turnkey)	VR,LR, LC	30	25	1042.30	2009-10	400	30	25	100		
4	Sujangarh(220kV)-Parewara line with S/S at **Parewara (Churu)** (Line - Turnkey)	VR,LR, LC	37	25	1108.70	14.2.09	300			-		
5	S/C Dechu - Kalau line with S/S at **Kalau (Jodhpur)** (Turnkey)	VR,LR, LC	27	25	1042.30	23.10.08	150			-		
6	Gharsana-Khajuwala line with S/S at **Khajuwala (Bikaner)** (Turnkey)	VR,LC	62	25	1429.70	6.10.08	150			-		
7	132 kV GSS at **SMS Stadium** (Hybrid S/S) (Turnkey)	LC	-	2x50	2850.00	31.3.09	2000			200		
8	Interconnection of 220kV Sridungargarh											
	(i) 132 kV line from 220 kV Sri Dungargarh - 132 kV GSS Badnu	LC	28		-	27.6.09	100	28		100		
9	132 kV Jhalawar (220 kV GSS) - Bhawani Mandi (via Kanwari) (Jhalawar-Kanwari section)(Bhawanimandi - Kanwari section completed in 2008-09)	SS,LR	35	-	618.10	27.7.09	200	21				
10	LILO of 132kV Banswara-Pratapgarh line to Dalot with 132kV S/S at **Dalot (Pratapgarh)**	VR,LR, LC	47	25	1396.80	25.04.09	250	47	25	50		
11	(i) LILO of existing 132 kV S/C Puranaghat-Sitapura line at 220 kV Indira Gandhi Nagar GSS	LC	2		Incl. in 220kV scheme	2010-11	Incl. in 220kV scheme			Incl. in 220kV scheme	2	
	(ii) 132/33kV transformer at 220 kV Indira Gandhi Nagar GSS	LC		2x50		2010-11						50
12	132kV GIS Substation at PWD Bunglow, Station Road, Jaipur (at premises of existing TCC office) (Turnkey)	LC			11682.70	2010-11	5000			2000		
	(i) underground cable from 132kV GSS Nallah Power House - PWD Bunglow		10								10	
	(ii) 132/33kV conventional type transformer with 132kV & 33kV Gas Insulated Modules			2x50								50
	(iii) 2 Nos 132kV extension bays at 132kV GSS Nallah Power House											
	Schemes for Narmada Canal Project											
13	132kV S/C line Sawa - Sata with 132kV S/S at Sata (Barmer) (Line - Turnkey)	LC,LR	50	25	1414.80	2010-11	650			650	50	25

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
14	132kV S/C line Sanchore(220kV) - Galifa with 132kV S/S at Galifa (Jalore) (Line-Turnkey)	LC,LR	25	25	1176.25	2010-11	550			550	25	25
15	132kV interconnection line LILO 132kV Bhadroona - Sanchore line at 220kV Sanchore (Line -Turnkey)	LC	7		Incl. in 220kV Sanchore	2010-11	Incl. in 220kV Sanchore			Incl. in 220kV Sanchore	7	
	CHHABRA TPS Evacuation System (Stage I, Phase I)											
16	LILO of 132 kV Sangod - Baran at 220 kV GSS Baran	ES	7		Incl. in 400 kV	2009-10	Incl. in 220 kV	7		Incl. in 220 kV		
17	LILO of 132 kV Anta - Baran at 220 kV GSS Baran	ES	2		Scheme	10.7.09	Scheme	2		Scheme		
	Normal Development Schemes											
18	132 kV GSS Karauli - Sapotra line with S/S at **Sapotra (Karauli)**	VR,LR	35	25	1136.70	4.3.09	300					
19	LILO of 132kV VKI - Vaishali Nagar line to New Jhotwara with 132kV GIS S/S at New Jhotwara (Jaipur) (Turnkey)	LC,LR	4	2x50	3973.80	2010-11	2800			1000	4	50
20	LILO of 132kV Morak - Jhalawar line to Mayla-Ramganjmandi with S/S at **Mayla-Ramganjmandi (Kota)**	VR,LR, LC	9	25	939.43	27.3.09	250					
21	LILO of 132kV Kota - Sangod line to Deoli with 132kV S/S at **Deoli (Kota)**	LC,LR	4	25	897.82	15.12.08	250					
22	LILO of 132kV Kota - Sangod line to Akelgarh water works S/S at Akelgarh Water works (Kota)	LC,LR	4	25	877.02	2010-11	300			550	4	25
23	132 kV GSS Aklera - Manoharthana line with S/S at **Manoharthana (Jhalawar)**	VR, LC	38	25	1281.35	19.2.09	300			-		
24	132 kV S/C line from 220 kV GSS Hanumangarh - Rawatsar with S/S at Rawatsar (Hanumangarh)	VR,LR, LC	40	25	1317.46	2010-11	750			350	40	25
25	LILO of 132kV Bikaner - Sri Dungargarh (220kV) line to Dulchasar with S/S at **Dulchasar** (Bikaner)	LC,LR	19	25	1084.84	31.7.09	750	19	25	100		
26	132 kV S/C line from Badnu - Jasrasar with S/S at Jasrasar (Bikaner) (Line-Turnkey)	LR,LC	28	25	1317.46	2009-10	1000	28	25	170		
27	132 kV S/C line from 220 kV GSS Sri Dungargarh -Riri with S/S at Riri (Bikaner) (Line- Turnkey)	LR,LC	16	25	1088.51	2009-10	850	16	25	150		
28	132 kV S/C Lohawat - Matora line with S/S at **Matora (Jodhpur)**	LR,LC	28	25	1196.95	27.11.08	250			-		
29	LILO of 132kV Bhinmal- Gudamalani line to Bagora with S/S at Bagora (Jalore)	VR,LR, LC	13	25	980.93	2009-10	350	13	25	100		
30	132 kV S/C line from 220 kV GSS Banswara - Paloda with S/S at **Paloda** (Banswara) (line to be commissioned)	VR,LR, LC	35	25	1257.21	18.8.09	900	35	25	100		
31	132 kV S/C line from Salumber - Dhariyawad with S/S at Dhariyawad (Pratapgarh) (Line- Turnkey)	VR,LR	69	25	1546.42	2010-11	800			700	69	25
32	132 kV S/C line from 220 kV GSS Nagaur - Jayal with S/S at Jayal (Nagaur) (Line- Turnkey)	LC	48	25	1413.94	2009-10	1100	48	25	200		
33	i) LILO of Existing 132 kV S/C VKIA - Kukas line at 220 kV GSS VKIA	LC,SS	1		Incl. in 220kV	2009-10	Incl. in 220kV	1				
	ii) Extension of Existing 132 kV S/C VKIA - Pratap Steel line upto 220 kV GSS VKIA	LC,SS	4		Scheme	2009-10	Scheme	4				
	iii) 132/33 kV Transformers at 220 kV GSS VKIA			2x50								
34	(i) LILO of 132 kV Ajmer - Kishangarh line at 220 kV GSS Kishangarh (Ajmer)	LC,SS	10		Incl. in 220kV scheme	28.11.08	Incl. in 220kV scheme					
	(ii) LILO of 132 kV Phulera-Kishangarh line at 220 kV GSS Kishangarh (Ajmer)	LC,SS	24			27.6.09		24				

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
35	LILO of 132 kV S/C Bharatpur -Alwar line at Kumher with S/S at **Kumher** (Bharatpur)	VR,LR	6	25	988.60	30.7.09	300	6	25	50		
36	LILO of RPS - Mandalgarh line at Bijolia with S/S at Bijolia (Bhilwara)	VR,LR	29	25	1154.10	2009-10	550	29	25	150		
37	132 kV D/C line from 220 kV SEZ-I to 132 kV SEZ-I with 132 kV GSS at SEZ-I	LC	4	25	1175.82	2010-11	350			700	4	25
38	LILO 132kV Kotputli-Shahpura line for 132 kV Paota with 132kV GSS at Paota (Jaipur)	LC,LR	10	25	1173.95	2010-11	550			550	10	25
39	132kV S/C Behror - Jakharana line with 132kV GSS at Jakharana(Alwar) (Line- Turnkey)	LC,LR	17	25	1286.50	2009-10	800	17	25	200		
40	132kV S/C Kawai-Atru line with 132kV GSS at Atru (Baran)	LC,LR	19	25	1313.72	2010-11	350			900	19	25
41	LILO 132kV Bundi-Deoli line for 132 kV Hindoli with 132kV GSS at Hindoli (Bundi)	LC,LR	10	25	1173.95	2010-11	300			750	10	25
42	132kV S/C Ranoli - Khandela Mod line with 132kV GSS at Khandela Mod (Sikar)	LC,LR	26	25	1409.03	2009-10	1100	26	25	250		
43	LILO 132kV Kotputli-Neem Ka Thana line for 132 kV Patan with 132kV GSS at **Patan (Sikar)**	LC,LR	4	25	1126.39	27.04.09	600	4	25	100		
44	LILO 132kV Chittor-Hamirgarh line for 132 kV Rashmi with 132kV GSS at Rashmi (Chittorgarh) (Line- Turnkey)	LC,LR	40	25	1530.64	2010-11	750			700	40	25
45	LILO 132kV RPS-Bhilwara line for 132 kV Beegod with 132kV GSS at **Beegod (Bhilwara)**	LC,LR	2	25	1078.83	23.3.09	600					
46	132kV S/C Madri-Dakan Kotda (Transport Nagar) line with 132kV GSS at Dakan Kotda (Transport Nagar), Udaipur	LC	10	25	1191.19	2010-11	300			750	10	25
47	132kV Saradhna-Pushkar Road- MDS University with 132kV GSS at Pushkar Road (Ajmer) (Line- Turnkey)	LC,LR	29	25	1613.64	2010-11	850			700	29	25
48	132kV S/C Jhunjhunu (220kV)- Bherunda Kalan- Sultana with 132kV GSS at Bherunda Kalan (Jhunjhunu)	LC	34	25	1681.71	2009-10	1250	34	25	150		
49	LILO 132kV Jalore-Siwana line for 132 kV Mandawala with 132kV GSS at **Mandawala (Jalore)**	LC,LR	3	25	1150.17	3.09.09	700	3	25	150		
50	LILO 132kV Jodhpur-Baori line for 132 kV Jhalamand with 132kV GSS at Jalamand (Jodhpur)	LC,LR	4	25	1078.83	2010-11	150			700	4	25
51	LILO 132kV Pali-Falna line for 132 kV Tagore Nagar with 132kV GSS at Tagore Nagar (Pali)	LC	4	25	1102.61	2010-11	500			500	4	25
52	LILO 132kV Bhiwadi (RVPN)- Kushkhera line for 132 kV Chopanki I/A with 132kV GSS at Chopanki I/A, (Alwar)	LC,LR	20	25	1197.73	2009-10	800	20	25	150		
53	LILO 132kV Kotputli- Behror line for 132 kV Keshwana I/A with 132kV GSS at Keshwana I/A (Jaipur)	LC,LR	4	25	1173.95	2010-11	400			650	4	25
54	LILO 132kV Kishangarh- Malpura line for 132 kV Silora I/A with 132kV GSS at **Silora I/A (Ajmer)**	LC,LR	13	25	1292.84	24.3.09	600					
55	(i) LILO 132 kV S/C Bhankrota-Bagru line at proposed 220kV GSS Bagru	LC,LR	7		Incl. in 220kV scheme	2009-10	Incl. in 220kV scheme	7		Incl. in 220kV scheme		
	(ii) 132kV/33kV Transformers at 220kV GSS Bagru I/A (Jaipur)	LC,LR		2X25		2009-10			25			
56	132kV/33kV Transformers at 220V GSS Boranada I/A (Jodhpur)	LC,LR		2X25	Incl. in 220kV scheme	2009-10	Incl. in 220kV scheme		25	Incl. in 220kV scheme		

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
57	132 kV S/C Dhod - Losal line (Line- Turnkey)	SS	16		Incl. in 220 kV Dhod	2010-11	Incl. in 220 kV Dhod			Incl. in 220 kV Dhod	16	
58	132 kV Dhod - Kachhawa line (Line- Turnkey)	SS	22		Incl. in 220 kV Dhod	2010-11	Incl. in 220 kV Dhod			Incl. in 220 kV Dhod	22	
59	132 kV D/C Nokha - Jasrasar line (Line- Turnkey)	SS	80		Incl. in 220 kV Nokha	2010-11	Incl. in 220 kV Nokha			Incl. in 220 kV Nokha	80	
60	LILO 132 kV Sikar - Udaipurwati line for 132 kV Piprali with 132 kV GSS at **Piprali (Sikar)**	LC,LR	7	25	1207.84	30.05.09	600	7	25	100		
61	132kV S/C Buhana-Mahapalwas with 132 kV GSS at Mahapalwas (Jhunjhunu) (Line- Turnkey)	LC,LR	23	25	1423.7	2010-11	250			900	23	25
62	132kV S/C Surajgarh- Dulaniya with 132 kV GSS at Dulaniya (Jhunjhunu) (Line- Turnkey)	LC,LR	18	25	1355.62	2010-11	250			700	18	25
63	LILO 132kV Bhilwara-Pali line for 132 kV Karera with 132 kV GSS at Karera (Bhilwara)	VR,LR	6	25	1181.9	2010-11	300			700	6	25
64	132kV S/C Kishangarh-Roopangarh with 132 kV GSS at Roopangarh (Ajmer)	LC,LR	25	25	1450.92	2010-11	350			650	25	25
65	LILO 132kV Khetri-Gudha Gorji for132 kV Nangli with 132 kV GSS at Nangli (Jhunjhunu)	LC,LR	4	25	1158.12	2010-11	100			700	4	25
66	LILO 132kV Bhilwara-Rayla line for 132 kV Danta with 132 kV GSS at Danta (Bhilwara)	VR,LC	10	25	1229.46	2010-11	350			800	10	25
67	132kV LILO of 132 kV Nimbaheda - Sawa line for Bhadesar with 132 kV GSS at Bhadesar (Chittorgarh)	VR,LC	24	25	1395.92	2010-11	400			800	24	25
68	LILO 132kV Khinwsar-Soyla line for 132 kV Narwa with 132 kV GSS at Narwa (Hanuman Nagar) (Nagaur)	LC	30	25	1467.26	2010-11	300			700	30	25
69	LILO 132kV Dhaurimanna-Sawa line for 132 kV Ranasar with 132 kV GSS at Ranasar (Barmer)	LC	12	25	1253.24	2010-11	200			900	12	25
70	132kV S/C Reodar- Badgaon line with 132 kV GSS at Badgaon (Jalore)	LC,LR	32	25	1546.23	2010-11	650			700	32	25
71	LILO 132kV Suratgarh-Anoopgarh line for 132 kV Sri Vijaynagar with 132 kV GSS at Sri Vijaynagar (Sriganganagar)	VR,LR	30	25	1467.26	2010-11	250			900	30	25
72	132kV S/C line from 220kV Phalodi-Bap line with 132 kV GSS at Bap (Jodhpur) (Line- Turnkey)	VR,LR	30	25	1519	2010-11	250			1100	30	25
73	132kV S/C Pilibanga- Guluwala line with 132 kV GSS at Guluwala (Hanumangarh)	LC,LR	25	25	1450.92	2010-11	250			1000	25	25
74	132kV S/C Dechu-Sanwreej line with 132 kV GSS at Sanwreej (Jodhpur) (Line- Turnkey)	LC,LR	24	25	1437.31	2010-11	250			1100	24	25
75	LILO 132kV Alwar-Mandawar line for 132 kV Pinan with 132 kV GSS Pinan (Alwar)	LC,LR	6	25	1181.9	2010-11	150			800	6	25
76	132kV S/C line from 220kV Dholpur-Roopwas with 132 kV GSS at Roopwas (Bharatpur) (Line- turnkey)	VR,LR	50	25	1791.29	2010-11	300			900	50	25
77	132kV S/C Phulera-Dudu line with 132 kV GSS at Dudu (Jaipur)	VR,LC	25	25	1450.92	2010-11	20			1000	25	25
78	132kV S/C Balawala-Phagi line with 132 kV GSS at Phagi (Jaipur)	VR,LC	20	25	1382.85	2010-11	400			850	20	25
79	LILO 132kV Hindaun-Gangapur line for 132 kV Baroli with 132 kV GSS at Baroli (Sawaimadhopur)	VR,LC	16	25	1300.8	2010-11	200			800	16	25

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							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
80	LILO 132kV Hingonia-Heerapura line for 132 kV Champapura with 132 kV GSS at Champapura, Kalwar Road, Jaipur (Jaipur)	LC,LR	10	25	1229.46	2010-11	200			650	10	25
81	LILO 132kV Kota-Modak line for 132 kV Mandana with 132 kV GSS at Mandana Town (Kota)	LC,LR,VR	16	25	1300.8	2010-11	200			750	16	25
82	LILO 132 kV Bundi-Kota line for 132 kV Talera with 132 kV GSS at Talera (Bundi)	LC,LR,VR	16	25	1300.8	2010-11	150			750	16	25
83	132kV S/C Baseri -Sarmathura line with 132 kV GSS at Sarmathura (Dholpur) (Line- Turnkey)	VR,LR	35	25	1587.07	2010-11	250			900	35	25
84	LILO Jalore - Jeewana line at Sayla	SS	4		180.9	2009-10	150	4		30		
C.	**NEW START SCHEMES**											
85	132kV S/C Zawarmines - Rishabdeo line	SS	35		671.02	2010-11	150			450	35	
86	132kV S/C Duni - Deoli line	SS	35		671.02	2010-11	150			450	35	
	Interconnections for 400 kV GSS Deedwana (RVPN Scope)											
87	132 kV D/C interconnecting line between proposed 400 kV Deedwana GSS and existing 132 kV Deedwana GSS	SS	20		734.64	2011-12	100			200		
	Interconnections for 220 kV GSS Nawalgarh (RVPN Scope)											
88	LILO of existing 132 kV S/C Koodan - Nawalgarh line to proposed 220 kV Nawalgarh GSS	SS	8		283.87	2011-12	200			400		
89	132 kV S/C Nawalgarh(220 kV) - Kumawas line	SS	22		489.43	2011-12						
90	132 kV S/C Nawalgarh(220 kV) - Gudagorji line	SS	34		653.58	2011-12						
91	132 kV S/C Nawalgarh(220 kV) - Udaipurwati line	SS	30		598.86	2011-12						
	Power Evacuation System of Ramgarh GTPS (Stage-III) :											
92	LILO of existing 132kV S/C Dechu-Pokran line at proposed 220kV Dechu GSS	ES	2		26.03	2011-12	Incl. in 220 kV scheme			Incl. in 220 kV scheme		
93	LILO of existing 132kV S/C Dechu-Phalodi line at proposed 220kV Dechu GSS	ES	8		100.8	2011-12						
	Normal Development Works											
94	LILO of 132 kV Hindaun-Todabhim line with 132 kV GSS at Daula Kunwa(Bada Khora) (Dausa)	LC,LR,VR	1	25	1364.19	2012-13	100			200		
95	LILO of 132 kV Kishangarh Bas-Khushkhera line with 132 kV GSS at PUR, Kotkasim(Alwar)	LC,LR,VR	30	25	1725.59	2012-13	100			200		
96	LILO of 132 kV Alwar-Bansur line with 132 kV GSS at Vijay Mandir, Alwar City(Alwar)	LC,LR,VR	6	25	1426.49	2012-13	100			200		
97	LILO of 132 kV Todabhim-Sikandra line with 132 kV GSS at Sikrai(Dausa)	LC,LR	6	25	1426.49	2012-13	100			200		
98	132 kV S/C Shri Mahaveerji GSS-Nangal Sherpur line with 132 kV GSS at Nangal Sherpur (Karauli)	LC,LR,VR	20	25	1642.71	2012-13	100			200		
99	LILO of 132 kV Hindaun-Todabhim line with 132 kV GSS at Mahuwa (Dausa)	LC	16	25	1551.12	2012-13	100			200		
100	LILO of 132 kV Jamwa Ramgarh-Rajgarh line with 132 kV GSS at Andhi (Jaipur)	LR,VR	6	25	1426.49	2012-13	100			200		
101	LILO of 132kV Heerapura-VKIA-Rampura Dabri line with 132 kV GSS at RIICO, Sarna Doongar (Jaipur)	LC,LR,VR	4	25	1401.57	2012-13	100			200		

S.No.	Scheme	Category	Line Length (Ckt. kM)	Capacity (in MVA)	Estimated Cost	Working Target / Dt. of Comm.	Annual Plan 2009-10 (Revised)			Annual Plan 2010-11 (Proposed)		
							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
102	132 kV S/C Karauli -Kaila Devi line with 132 kV GSS Kaila Devi (Karauli)	LC,LR,VR	25	25	1715.46	2012-13	100			200		
103	132 kV S/C Karauli -Mandrayal line with 132 kV GSS Mandrayal (Karauli)	LR,VR	45	25	2006.46	2012-13	100			250		
104	LILO of 132 kV Jodhpur-Bilara line with 132 kV GSS at SEZ, Kaparda (Jodhpur)	LC	10	25	1476.34	2012-13	50			100		
105	LILO of 132 kV Padampur-Sri Ganganagar line with 132 kV GSS at Telewala (Sri Ganganagar)	LC,LR,VR	12	25	1501.27	2012-13	100			200		
106	132 kV S/C Momasar-Patlisar Fanta line with 132 kV GSS Patlisar Fanta (Churu)	LC,LR,VR	15	25	1569.96	2012-13	100			200		
107	LILO of Sawa-Sata line with 132 kV GSS at Sedwa (Barmer)	LC,LR,VR	4	25	1401.57	2012-13	100			200		
108	132 kV Padroo-Junameetha Khera-Sindhari line with 132 kV GSS at Junameetha Khera (Barmer)	LC,LR,VR	40	25	2117.09	2012-13	100			250		
109	132 kV S/C Sanchore (220kVGSS)- Paladar line with 132 kV GSS at Paladar (Jalore)	LC,LR,VR	15	25	1569.96	2012-13	100			200		
110	132 kV S/C Riri-Upani line with 132 kV GSS at Upani (Bikaner)	LC,LR,VR	13	25	1540.86	2012-13	100			200		
111	132 kV S/C Sri Karanpur - Kaminpura line with 132 kV GSS at Kaminpura (Sri Ganganagar)	LC,LR,VR	25	25	1715.46	2012-13	100			200		
112	LILO of 132 kV Neem Ka Thana-Khetri line with 132 kV GSS at Babai (Jhunjhunu)	LC,LR,VR	10	25	1476.34	2012-13	100			200		
113	LILO of 132 kV MDSU-Bherunda line with 132 kV GSS at Pushkar (Ajmer)	LC,VR	16	25	1551.12	2012-13	100			200		
114	LILO of 132 kV Beawar-Nasirabad line with 132 kV GSS at Kharwa (Ajmer)	LR,VR	10	25	1476.34	2012-13	100			200		
115	132 kV S/C Kankroli (220kV) -Sapol line with 132 kV GSS at Sapol (Rajsamand)	LC,VR	23	25	1686.36	2012-13	100			200		
116	LILO of 132 kV Banswara-Sagwara line with 132 kV GSS at Partapur(Banswara)	LC,LR,VR	22	25	1625.89	2012-13	100			200		
117	132 kV S/C Mavli - Sanwad line with 132 kV GSS at Sanwad (Udaipur)	LC,LR,VR	20	25	1642.71	2012-13	100			200		
118	132 kV S/C Shri Madhopur - Thoi line with 132 kV GSS at Thoi (Sikar)	LC,LR,VR	21	25	1657.26	2012-13	100			200		
119	132 kV S/C Jhunjhunu (220kV GSS) - Malsisar line with 132 kV GSS at Malsisar (Jhunjhunu)	LR,VR	30	25	1788.21	2012-13	100			200		
120	LILO of 132 kV line Laxmangarh-Fatehpur line with 132 kV GSS at Antroli (Sikar)	LC,LR,VR	24	25	1650.82	2012-13	100			200		
121	LILO of 132 kV Bhilwara-Hamirgarh line with 132 kV GSS at RIICO, Bhilwara (Bhilwara)	LC,LR	18	25	1576.04	2012-13	100			200		
122	132 kV S/C Beegod- Kachola line with 132 kV GSS at Kachola (Bhilwara)	LC,LR,VR	20	25	1642.71	2012-13	100			200		
123	132 kV S/C Deoli-Jahajpur line with 132 kV GSS at Jahajpur (Bhilwara)	LC,LR,VR	20	25	1642.71	2012-13	100			200		
124	132 kV S/C Sawa-Mangrol line with 132 kV GSS at Mangrol (Chittorgarh)	LC,LR,VR	18	25	1613.61	2012-13	100			200		

S.No.	Scheme	Category	Line Length (Ckt. kM)	Capacity (in MVA)	Estimated Cost	Working Target / Dt. of Comm.	Annual Plan 2009-10 (Revised)			Annual Plan 2010-11 (Proposed)		
							Provision	Physical Targets Proposed		Provision	Physical Targets Proposed	
							(Plan+Outside Plan)	Ckt Km.	MVA	(Plan)	Ckt Km.	MVA
125	132 kV S/C Ajoliya-ka-khera-Bassi line with 132 kV GSS at Bassi (Chittorgarh)	LC,LR,VR	18	25	1613.61	2012-13	100			200		
D.	132 kV New Schemes (To be identified)									1500		
	IV. TOTAL (132KV)						**44270**	**495**	**475**	**44550**	**1020**	**1100**
	TARGET 132 kV - WORKING							**495**	**475/17**		**1020**	**1100/40**
	- ACHIEVEABLE							**350**	**425/15**		**500**	**550/20**
V	Energy Meters (Interface Metering)	Mtg.					70					
VI	Capacitor banks (MVAR)	Cap.					600	**150 MVAR**		600		**150MVAR**
VII	Augmentation (EAP & Plan)/(Upgradation)	Aug.										
	i. Transformers capacity (MVA)								**750 MVA**			**1200MVA**
	ii. 400/220/132/33kV Feeder bays, Transformer bays, Bus-coupler bays etc.											
	iii. 33kV line bays as per requirement of Discoms											
	iv. Other works approved under Augnentation											
	(A) Jaipur Zone						9000			7000		
	(B) Jodhpur Zone						8000			7000		
	(C) Ajmer Zone						8000			7000		
VIII	Automation/ SCADA solutions, RTU's/ BCU's, related primary equipments upgradations, communication interfaces/ channels (under ULDC, up gradation of existing S/S) & setting up of Sub control centre at CDCC Jaipur	SCADA / SLDC					650			4500		
IX	Utility Software, IT Software, Other Allied Software, Hardware Equipments (Upgradation / New)						30			50		
X	Capital cost on IT/non-IT goods for 'Integrated MIS & Computerisation in RVPN						450			50		
XI	Purchase of IT hardwares, custom software, non IT items, computer furniture, net working items and broad band connectivity required under IMIS Project.						300			100		
XII	RMU of equipments & protection schemes of RVPN (Scheme -II)						500			2500		
XIII	Air Conditioning of Control Rooms of 220kV GSS						530			260		
	TOTAL (V TO XIII)						**28130**			**29060**		
	TOTAL OF TRANSMISSION WORKS (I TO XIII)				**1081614.10**		**153000**			**253000**		

Details of Provision :

Plan Works	121300	253000
Outside Plan works	31700	0
TOTAL	**153000**	**253000**

Abbreviation Used :-

VR : Voltage Regulation Improvement Scheme.
LC : Load Catering Scheme.
SS : System Strengthening Scheme.
BPTS : Bulk Power Transfer Scheme.
Mtg. : Metering
Aug. : Augmentation
uation Sysstem Scheme.
: Loss Reduction.