

RESULT FRAMEWORK DOCUMENT (RFD) TARGET 2011-12: TRANSFORMATION CAPACITY SUMMARY

	Target (MVA)				
	Q1	Q2	Q3	Q4	Annual
Central Sector					
PGCIL	500	500	1000	4045	6045
DVC	80	310	450	0	840
Total (CS)	580	810	1450	4045	6885
State Sector					
Delhi	0	260	475	0	735
Haryana	315	1030	830	0	2175
Himanchal Pradesh	0	0	0	100	100
J&K	0	160	160	430	750
Punjab	300	200	300	0	800
Rajasthan	0	200	500	400	1100
Uttar Pradesh	1000	320	320	260	1900
Uttarakhand	0	0	160	0	160
Chattisgarh	0	0	0	320	320
Gujarat	0	0	0	1630	1630
Goa	150	0	0	0	150
Madhya Pradesh	0	0	160	480	640
Maharashtra	200	2100	650	0	2950
Andhra Pradesh	200	160	680	0	1040
Karnataka	200	300	600	0	1100
Kerala	0	0	200	450	650
Tamil Nadu	100	630	200	100	1030
Puducherry					0
Bihar	100	300	100	0	500
Orissa	100	0	80	20	200
West Bengal	0	320	0	1745	2065
Meghalaya	0	0	100	0	100
Tripura	0	0	400	0	400
Total (SS)	2665	5980	5915	5935	20495
Private Sector	0	0	0	0	0
Grand Total	3245	6790	7365	9980	27380

Result Framework Document (RFD) Target 2011-12: Transformation Capacity Details

Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
1	Power Grid (PGCIL)							
	765 kV							
	Common Scheme for 765KV Pooling Station and Network Associated with DVC & Maithon RB Project etc and Import by NR & WR via ER							
	1 Lucknow (2x1500)	765/400	1500				1500	Mar-12
	2 Balia (Aug) (2x1500)	765/400	1500				1500	Mar-12
	Supplementary Transmission System Associated with DVC & Maithon Right Bank Project.							
	3 Extn. Fatehpur (2x315)	765/400	315				315	Mar-12

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
	PGCIL Total 765 kV		3315	0	0	0	3315	
	400 kV							
	North East - NR/WR Inter - connector (Subansiri & Kameng)							
6	Misa (2nd ICT)	400/220	315				315	Mar-12
	Northern Region System Strengthening Scheme - XIV							
7	Extn. Patiala (1x500)	400/220	500		500			Aug-11
8	Extn. Malerkotla (1x500)	400/220	500	500				Apr-11
	Northern Region System Strengthening-XXIII (NRSS-XXIII)							
9	Extn. Bahadurgarh	400/220	500			500		Dec-11
10	Extn. Lucknow	400/220	500			500		Dec-11
	Transmission System Associated with Mundra UMPP							
11	Navsari (GIS)	400/220	315				315	Mar-12
	PGCIL Total 400 kV		2630	500	500	1000	630	
	220 kV							
	Augmentation of 220/132 kV Transformation Capacity at Raebareli (POWERGRID) by 1x100 MVA Transformer							
12	Raebareli (POWERGRID)	220/132	100				100	Mar-12
	PGCIL Total 220 kV		100	0	0	0	100	
	PGCIL (Total) 765 + 400 + 220 kV		6045	500	500	1000	4045	

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
2	Damodar Valley Corporation (DVC)							
	400 kV		0					
	NIL							
	220 kV							
	ATS of Chandrapura TPS Extn.(2x250 MW)							
	1 Dhanbad (1x80) MVA	220/33	80	80				Jun-11
	2 Dhanbad (2x150) MVA	220/132	300		150	150		Oct-11
	2 Koderma (2x80) MVA	220/33	160		160			Sep-11
	3 Koderma (2x150) MVA	220/132	300			300		Oct-11
	DVC (Total) 220 kV		840	80	310	450	0	
	DVC (Total) 400 + 220 kV		840	80	310	450	0	
	Total Center Sector		6885	580	810	1450	4045	
	STATE SECTOR							
	NORTHERN REGION							
1	DELHI (DTL) 400 kV							
	System Strengthening							
	1 Harsh Vihar GIS	400/220	315			315		Dec-11
	Delhi 400 kV (Total)		315	0	0	315	0	
	DELHI (DTL) : 220 kV							
	System Strengthening							
	2 Wazirpur	220/33	100		100			Sep-11
	3 Rohini	220/66	160		160			Sep-11
	4 Harsh Vihar GIS	220/66	160			160		Dec-11
	Delhi 220 kV(Total)		420	0	260	160	0	
	Total Delhi (400+220) kV		735	0	260	475	0	
2	HARYANA 400 kV (HVPN) :							
	1 Dhanoda (Mohindergarh)	400/220	630			630		Dec-11
	2 Nawada	400/220	315	315				Jun-11
	3 Nuhiyawali	400/220	630		630			Aug-11
	Haryana 400 kV(Total)		1575	315	630	630	0	
	HARYANA (HVPN) :							
	System Strengthening							
	4 Masudpur	220/132	100		100			Sep-11
	5 A-5 Faridabad	220/66	100		100			Sep-11
	6 Dhanonda	220/132	100		100			Sep-11
	7 Lula Ahir	220/66	100		100			Sep-11
	8 Sampla	220/132	100			100		Oct-11
	9 Mohana	220/132	100			100		Dec-11
	Haryana 220 kV(Total)		600	0	400	200	0	
	Total Haryana (400+220) kV		2175	315	1030	830	0	
3	HIMACHAL PRADESH 400 kV(HPSEBL) :							
	Himachal Pradesh400 kV (Total)		0					
	HIMACHAL PRADESH 220 kV(HPSEBL) :							
	System Strengthening							
	1 Baddi	220/132	100				100	Mar-12
	Himachal Pradesh220 kV (Total)		100	0	0	0	100	
	Total Himachal Pradesh (400+220)kV		100	0	0	0	100	

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
4	JAMMU & KASHMIR 220 kV (J&K):							
	400 kV		0					
	System Strengthening							
	1 Alusteng	220/132	160		160			Sep-11
	2 Amargarh	220/132	160				160	Jan-12
	3 Bishnah	220/132	160			160		Dec-11
	4 Ramban (3x40)	220/132	120				120	Mar-12
	5 Zainkote	220/132	150				150	Mar-12
	J & K 220 kV (Total)		750	0	160	160	430	
	Total J & K (400+220) kV		750	0	160	160	430	
5	PUNJAB 400 kV(PSTCL) :							
	400 kV		0	0	0	0	0	
	PUNJAB 220 kV(PSTCL) :							
	System Strengthening							
	1 Mastewala	220/66	100	100				Jun-11
	2 Jhunir	220/66	100	100				Apr-11
	3 Mandi Govindgarh	220/66	100	100				Jun-11
	4 Mehal Kalan	220/66	100			100		Dec-11
	5 Rehana Jattan	220/66	100			100		Dec-11
	6 Ghobaya	220/66	100		100			Jul-11
	7 Patran	220/66	100			100		Dec-11
	8 Lalru	220/66	100		100			Sep-11
	Punjab220 kV(Total)		800	300	200	300	0	
	Total Punjab(400+220) kV		800	300	200	300	0	
6	RAJASTHAN 400 kV(RVPN)							
	400 kV		0	0	0	0	0	
	RAJASTHAN 220 kV(RVPN) :							
	System Strengthening							
	1 Madri (Udaipur)	220/132	100		100			Jul-11
	2 Kishangarh	220/132	100		100			Jul-11
	3 Dechu	220/132	100			100		Dec-11
	4 Gajner	220/132	100			100		Dec-11
	5 Gangapurcity	220/132	100			100		Dec-11
	6 Barli	220/132	100			100		Dec-11
	7 Manoharpur	220/132	100			100		Dec-11
	8 Padampur	220/132	100				100	Mar-12
	9 Aspur	220/132	100				100	Mar-12
	10 Jhalmand	220/132	100				100	Mar-12
	11 Sawa	220/132	100				100	Jan-12
	Rajsthan220 kV(Total)		1100	0	200	500	400	
	Total Rajsthan (400+220) kV		1100	0	200	500	400	
7	UTTAR PRADESH 765 kV (UPPCL) :							
	765 kV							
	1 Unnao	765/400	1000	1000				Jun-11
	U.P. 765 kV (Total)		1000	1000	0	0	0	
	400 kV		0	0	0	0	0	
	UTTAR PRADESH (UPPCL) :							
	220 kV							
	1 Bhelupur	220/33	120			120		Dec-11
	2 Gajokhar	220/132	100			100		Dec-11
	3 Jhansi	220/132	100			100		Dec-11
	4 Bithoor	220/132	160		160			Sep-11
	5 Kanpur South	220/132	160		160			Sep-11
	6 Partapgarh	220/132	100				100	Mar-12
	7 Jhusi	220/132	160				160	Mar-12

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
	Uttar Pradesh 220 kV(Total)		900	0	320	320	260	
	Total Uttar Pradesh (765+400+220) kV		1900	1000	320	320	260	
8	UTTARAKHAND (PTCUL) :							
	400 kV		0	0	0	0	0	
	UTTARAKHAND 220 kV(PTCUL) :							
	System Strengthening							
	1 Dehradun	220/132	160			160		Dec-11
	Utrakhand 220 kV (Total)		160	0	0	160	0	
	Total Utrakhand (400+220) kV		160	0	0	160	0	
	WESTERN REGION							
9	Chhattisgarh 400 kV							
	Chhattisgarh 400 kV (Total)		0	0	0	0	0	
	CHHATTISGARH 220 kV (CSPTCL) :							
	System Strengthening							
	1 Mungeli	220/132	160				160	Mar-12
	2 Saraipally	220/132	160				160	Mar-12
	CSPTCL 220 kV(Total)		320	0	0	0	320	
	Total Chhattisgarh (400+220) kV		320	0	0	0	320	
10	GUJARAT 400 kV (GETCO) :							
	1 Halvad	400/220	315				315	Jan-12
	Gujrat 400 kV (Total)		315	0	0	0	315	
	GUJARAT 220 kV :							
	System Strengthening							
	1 Shapur	220/132	315				315	Mar-12
	2 Vadala	220/66	100				100	Mar-12
	3 Popda	220/66	100				100	Mar-12
	4 Suva	220/66	100				100	Mar-12
	5 Bhatiya	220/132	100				100	Mar-12
	6 Lunawada	220/66	100				100	Mar-12
	7 Jasdan	220/132	100				100	Mar-12
	8 Tankara	220/66	100				100	Mar-12
	9 Saria	220/132	100				100	Mar-12
	10 Vyankatpura	220/66	100				100	Mar-12
	11 Kalawad	220/66	100				100	Mar-12
	Gujarat 220 kV(Total)		1315	0	0	0	1315	
	Total Gujarat (400+220) kV		1630	0	0	0	1630	
11	GOA 400 kV :							
	GOA 220 kV :							
	1 Cuncolim	220/33	150	150				Jun-11
	Goa 220kV (Total)		150	150	0	0	0	
	Total Goa(400+220) kV		150	150	0	0	0	

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
12 Madhya Pradesh 400 kV								
	400 kV		0	0	0	0	0	
	MADHYA PRADESH 220 kV(MPPTCL) :							
	System Strengthening							
	1 Daloda	220/132	160				160	Mar-12
	2 Chichali	220/132	160				160	Mar-12
	3 Astha	220/132	160			160		Dec-11
	4 Seoni	220/132	160				160	Mar-12
	MPPTCL 220 kV (Total)		640	0	0	160	480	
	Total MPPTCL (400+220) kV		640	0	0	160	480	
13 Maharashtra 400 kV								
	1 Koradi -II	400/220	500			500		Dec-11
	2 Warora	400/220	500		500			Sep-11
	3 Lonikhand	400/220	500		500			Sep-11
	4 Chandrapur-II	400/220	500		500			Sep-11
	Maharashtra 400 kV (Total)		2000	0	1500	500	0	
	MAHARASHTRA 220 kV (MSETCL) :							
	System Strengthening							
	1 Paranda	220/132	200	200				Jun-11
	2 Patoda	220/33	50			50		Dec-11
	3 Bhokardhan	220/132	100			100		Dec-11
	4 Jath	220/132	100		100			Sep-11
	5 Bhambori (Jalgaon)	220/132	100		100			Sep-11
	6 Vasai	220/100	200		200			Sep-11
	7 Bapgaon	220/100	200		200			Sep-11
	Maharashtra 220 kV(Total)		950	200	600	150	0	
	Total Maharashtra (400+220) kV		2950	200	2100	650	0	
14 Andhra Pradesh Power Transmission Corporation Ltd. (APTRANSCO)								
	400 kV		0					
	220 kV							
	1 Rachagunneri (2x100)	220/132	100			100		Dec-11
	2 Osmania University (2x160)	220/132	160			160		Dec-11
	3 Erragadda (3x160)	220/132	160			160		Dec-11
	4 Imliban (GIS) (2x160)	220/132	160		160			Sep-11
	5 Gunrock (2x160)	220/132	160			160		Dec-11
	6 Nagari(2x100 +2x50)	220/132	100			100		Dec-11
	7 Palamaneru	220/132	200	200				Jun-11
	APTRANSCO 220 kV Total		1040	200	160	680	0	
	Total APTRANSCO 400+220 kV		1040	200	160	680	0	

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
15 Karnataka Power Transmission Corporation Ltd. (KPTCL)								
	400 kV		0	0	0	0	0	
	220 kV							
	1 Jigani (2x150) MVA	220/66	300		300			Sep-11
	2 Vikas Tech Park (2x150) MVA	220/66	300			300		Dec-11
	3 Halbarga (2x100) MVA	220/110	200			200		Dec-11
	4 Ramanagar(Kothipura)	220/66	100			100		Oct-11
	5 Chikkmagalur (2nd Trf.)	220/66	100	100				Jun-11
	6 Kushalanagara (2nd Trf.)	220/66	100	100				Jun-11
	KPTCL 220 kV Total		1100	200	300	600	0	
	KPTCL 400+220 kV Total		1100	200	300	600	0	
16 Kerla State Electricity Board (KSEB)								
	400 kV		0					
	NIL							
	220 kV							
	1 Punnapra S/S (2x100)	220/110	200			200		Dec-11
	2 Kanjikkod(Add.Tr.) (2x25)	220/110	50				50	Mar-12
	3 Pothencode(3 rd Trf.)	220/110	200				200	Jan-12
	4 Kattakkada(New)	220/110	200				200	Mar-12
	KSEB 2 20 kV Total		650	0	0	200	450	
	KSEB 400+220 kV Total		650	0	0	200	450	
17 Tamilnadu Transmission Corporation Ltd. (Tantransco)								
	400 kV							
*	1 S V Chatram (2x315)	400/230	630		630			Aug-11
	Total 400 kV TanTransco		630	0	630	0	0	
	230 kV							
	1 Karambayam	230/110	100			100		Nov-11
	2 Karamdai (2x100)	230/110	100				100	Mar-12
	3 Aliyar (2x100)	230/110	100	100				Jun-11
	4 Nallamanaickenpaty (2x100)	230/110	100			100		Nov-11
	Tantransco Total 220 kV		400	100	0	200	100	
	Total 400 + 220 kV TanTransco		1030	100	630	200	100	
18 Bihar State Electricity Board (BSEB)								
	400 kV		0					
	NIL							
	220 kV							
	System Strengthening							
	1 Hazipur (2x100) MVA	220/132	100			100		Dec-11
	2 Sipara(Patna) (2x150) MVA	220/132	300		300			Sep-11
	3 Madhepura (2x100) MVA	220/132	100	100				Jun-11
	BSEB 220 kV Total		500	100	300	100	0	
	BSEB 400+220 kV Total		500	100	300	100	0	

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Sl.	Name of the Sub-Station	Voltage	Capacity	Target (MVA)				Target Month
				Qtr 1	Qtr 2	Qtr 3	Qtr 4	
19 Orissa Power Transmission Corporation Ltd. (OPTCL)								
	400 kV		0					
	NIL							
	220 kV							
	System Strengthening							
	1 Bolangir	220/132	100	100				Apr-11
	2 Mendhasal	220/33	20				20	Mar-12
	3 Banei	220/33	80			80		Dec-11
	OPTCL 220 kV Total		200	100	0	80	20	
	OPTCL 400+220 kV Total		200	100	0	80	20	
20 West Bengal State Electricity Transmission								
	400 kV							
	System Strengthening							
	1 Kharagpur 400/220 kV	400/220	315				315	Mar-12
	2 Arambag (Aug.)	400/220	315				315	Mar-12
	3 Jeerat (Aug.)	400/220	315				315	Mar-12
	Total 400 kV West Bengal		945	0	0	0	945	
	220 kV							
	System Strengthening							
	4 Kharagpur	220/132	320				320	Mar-12
	5 Dalkhola	220/132	320		320			Sep-11
	6 Kasba (Aug)	220/132	160				160	Mar-12
	7 Laxmikantapur (Aug)	220/132	160				160	Mar-12
	8 Howrah (Aug)	220/132	160				160	Mar-12
	WBSETCL 220 kV Total		1120	0	320	0	800	
	Total 400 + 220 kV West Bengal		2065	0	320	0	1745	
21 Assam Electricity Grid Corporation Ltd. (AEGCL)								
22 Meghalaya Power Transmission Corporation Ltd (MePTCL)								
	400 kV		0					
	220 kV							
	System Strengthening							
	1 Nangalbibra	220/132	100			100		Dec-11
	MePTCL Total 220 kV		100	0	0	100	0	
	Total 400 + 220 kV MePTCL		100	0	0	100	0	
23 Tripura State Electricity Company								
	400 kV							
	ATS of Palatana Gas Based Power Project (2x363.3 MW)							
	1 Surajmaninagar (2x200)	400/132	400			400		Dec-11
	Total 400 kV TSECL		400	0	0	400	0	
	220 kV		0					
	NIL							
	TSECL 220 kV Total		0	0	0	0	0	
	TSECL 400+220 kV Total		400	0	0	400	0	
	Total SS 220 kV		13315	1350	3220	4070	4675	
	Total SS 400 kV		6180	315	2760	1845	1260	
	Total 765 kV		1000	1000	0	0	0	
	Grand Total State Sector (765+400+220)kV		20495	2665	5980	5915	5935	
JV/Private Sector								
	TOTAL PRIVATE SECTOR 400 kV		0					
JV/Private Sector								
	TOTAL PRIVATE SECTOR 220 kV		0					
	Grand Total Private Sector (400+220)kV		0					
	Grand Total (765+400+220)kV		27380	3245	6790	7365	9980	