



पश्चिम क्षेत्रीय भार प्रेषण केंद्र कि
अक्टूबर 2010 माह की प्रणाली प्रचालन
रिपोर्ट

**System Operation Report
Of Western Region
For the month of
Oct-2010**

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(पावरग्रिड की एक पूर्ण स्वामित्व वाली कंपनी)

पश्चिम क्षेत्रीय भार प्रेषण केन्द्र

मुम्बई

Power System Operation Corporation Ltd.

(A wholly owned subsidiary company of POWERGRID)

Western Regional Load Despatch Centre

Mumbai

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SYSTEM OPERATION REPORT OF WESTERN REGION
FOR THE MONTH OF OCT 2010

A) SUMMARY REPORT

I) IMPORTANT EVENTS

a) COMMISSIONING OF NEW GENERATING UNITS

NIL

b) COMMISSIONING OF NEW TRANSMISSION LINES

NIL

c) COMMISSIONING OF NEW SUBSTATIONS

NIL

d) COMMISSIONING OF NEW ICT / BUS REACTORS

SL.NO.	CONSTITUENT	STATION NAME	KV RATIO	CAPACITY	DATE
1	MAHARASTRA	Khadoli (ICT-I)	220/66	160 MVA	4/10/2010
2	MAHARASTRA	Aurangabad (ICT -III)	400/220	315 MVA	21/10/10
3	POWERGRID	Bina (ICT-I)	400/220	315 MVA	30/10/10
4	POWERGRID	Dehgam (B/R)	420	125 MVAR	31/10/10

e) Major problem/constraints affecting Grid operation including major Grid disturbances

NIL

i) Grid Separations **NIL**

ii) Grid Disturbances **NIL**

माह अक्टूबर 2010 में पश्चिम क्षेत्र का निष्पादन डाटा

II Performance of Western Regional Grid during oct -2010
Schedule and Drawal Of Constituents from Central sector

Sl. No.	State/U.T/ System	Schedule (Mus)	Actual Drawal (MUs)	Total Over (+)/Under (-)drawal (MUs)	Overdrawal at Freq. <49.5Hz (MUs)	Underdrawal at Freq. >50.2Hz (MUs)
1	गुजरात Gujarat	1172.04	1239.25	67.21	0	1.647
2	मध्य प्रदेश Madhya Pradesh	1511.43	1721.35	209.92	0.46	0.465
3	महाराष्ट्र Maharashtra	2501.51	2602.86	101.35	0.073	2.217
4	छत्तिसगढ Chhattisgarh	-249.43	-430.14	-180.71	0.072	7.753
5	गोवा Goa	217.36	183.07	-34.29	0.003	0.738
6	दमन और दीव D&D	179.82	166.91	-12.91	0.006	0.563
7	दादर नगर हवेली DNH	350.09	319.22	-30.87	0	1.402
8	कुल TOTAL	5682.82	5802.52	119.70		

आवृत्ति रूपरेखा

III a. Frequency Profile

MAXIMUM FREQUENCY(Inst.):	50.59 HZ
आधिकतम आवृत्ती एकिकृत :	
Minimum frequency(Inst)	49.09 HZ
न्यूनतम आवृत्ती एकिकृत :	
Average frequency	49.94 HZ
औसत आवृत्ती	

b. आवृत्ती वितरण प्रतिशत में Frequency distribution in %

HZ	<48.8	48.8 - 49.2	49.2 -49.5	49.5-50.2	50.2-51.0	>51.0
%	0	0.01	0.94	93.49	5.56	0.00

IV Power Supply Position and Peak Demand / Met In Western Region

a. विद्युत पूर्ति की स्थिति Power Supply Position

	OCT-10			APR -10 TO OCT-10		
	Requirement (MUs)	Availability (MUs)	Shortage (%)	Requirement (MUs)	Availability (MUs)	Shortage (%)
Gujarat	7471	6956	6.90	43318.23	40853.88	5.69
CSEB	1757	1753	0.26	12036.06	11915.21	1.00
MPSEB	4098	3393	17.19	24308.10	20038.12	17.57
Maharashtra	10840	9444	12.88	75516.54	64115.93	15.10
Goa	221	219	0.98	1532.79	1445.60	5.69
D&D	185	167	9.92	1134.57	1024.53	9.70
DNH	349	348	0.24	1945.95	1864.69	4.18
Western Region	24922	22290	10.56	159359.59	140802.45	11.64

b. Peak Demand / Demand Met(MW)

	Oct-10			APR -10 to OCT -10		
	Requirement (MW)	Availability (MW)	Shortage (%)	Requirement (MW)	Availability (MW)	Shortage (%)
Gujarat	11296	10344	8.43	11296	10344	8.43
CSEB	2789	2769	0.72	3075	2922	4.98
MPSEB	7088	6114	13.74	7113	6114	14.04
Maharashtra	18664	15255	18.27	20308	15945	21.48
Goa	415	368	11.33	544	453	16.73
D&D	270	252	6.67	291	252	13.40
DNH	507	504	0.59	526	505	3.99
Western **Region	39817	34339	13.76	41080	34339	16.41

**Regional demand met is the simultaneous demand met and not the sum of demand met by constituent .

PEAK DEMAND FOR OCT.2010

State	Catered	UNSCHLS +SCHLS	FC	PC	Total	Date	Time	Freq.
दिव दमण DD								
पंजीकृत Registered	328	-	-	-	328	25.10.10	19:00	49.98
दादरा नगर हवेली DNH								
पंजीकृत Registered	523	-	-	-	523	20.10.10	19:00	49.86
गुजरात GUJARAT								
पंजीकृत Registered	10461	-	-	-	10461	09.10.10	12:00	49.92
आंकलित Computed	10443	797	51	-	11291	09.10.10	15:00	49.86
असीमित Unrestricted	10344	945	11	0.00	11300	09.10.10	20:00	49.97
छत्तीसगढ रा .वि.बोर्ड Chhattisgarh								
पंजीकृत Registered	2853	-	-	-	2853	11.10.10	19:00	49.80
आंकलित Computed	2701	219	20		2940	07.10.10	19:00	49.79
असीमित Unrestricted	2701	237	20	0	2958	07.10.10	19:00	49.79
मध्य प्रदेश रा .वि.बोर्ड Madhy Pradesh								
पंजीकृत Registered	6290	-	-	-	6290	17.10.10	21:00	50.11
आंकलित Computed	6200	260	-2	-	6457	15.10.10	21:00	50.01
असीमित Unrestricted	5410	1705.6	-21	0	7095	31.10.10	19:00	50.11
महाराष्ट्र रा .वि.बोर्ड-MAHA-RASHTRA								
पंजीकृत Registered	15255	-	-	-	15255	13.10.10	20:00	49.88
आंकलित Computed	15139	3148	-5	-	18282	14.10.10	20:00	50.01
असीमित Unrestricted	15139	3148	-5	400	18682	14.10.10	20:00	50.01
पश्चिम क्षेत्र WESTERN REGION								
पंजीकृत Registered	34339	-	-	-	34339	14.10.10	20:00	50.01
आंकलित Computed	33985	4564	36	-	38585	09.10.10	20:00	49.97
असीमित Unrestricted	33985	5758	36	400	40179	09.10.10	20:00	49.97

VI	
माह अक्टूबर 2010 में अंतर क्षेत्र से पश्चिम क्षेत्र को विद्युत विनिमय	
Inter-Regional Exchange of Power in Western Region during Oct -10	
DESCRIPTION	Import (Mus)
Indian Energy Exchange (ER to WR)	11.18
Power Exchange of India (ER to WR)	4.57
ER (NTPC) to GUVNL	73.09
ER (NTPC) to MP PTCL	38.45
ER (NTPC) to CSEB	15.60
ER (NTPC) to MSEDCL	64.89
ER (NTPC) to D D	1.01
ER (NTPC) to D N H	1.56
DVC to MPPTCL (Long Term Open Access)	53.20
Hirakud to CSEB	1.32
NGLD to MPSEB (MPSEB)	10.31
TRIPURA to MSEB (NVVNL)	13.15
TATA HALDIA(WB) to TPC MSEB (TPTCL)	0.83
TATA HALDIA(WB) to TPC MSEB (TPC MSEB)	0.25
TPCH WBSEB to TPC MSEB (TPTCL)	4.17
Indian Energy Exchange (NR to WR)	46.38
HIMACHAL to RINFRA GOA (IEXL)	0.02
PSEB to MSEB (NVVNL)	11.72
DESCRIPTION	Export(Mus)
APL GUVNL to TNEB (NVVNL)	13.87
TORRENT_GUVNL to TNEB (PTC LTD)	1.35
JPL to BSES_RAJ (JPL)	50.51
MPSEB to BSES_RAJ (GMRETL)	0.00
MPSEB to BSES_RAJ (RETL)	9.22
JPL to BSES YM (DTL) (JPL)	19.58
MPSEB to BSES YM (DTL) (GMRETL)	0.00
GUVNL to NPCL (NPCL)	35.28
JPL to NPCL (JPL)	14.07
CSEB to NDMC(DTL) (PTC LTD)	3.46
AIDCPL CSEB to RPPC (NVVNL)	1.50
BALCO CSEB to RPPC (NVVNL)	2.17
BPIL CSEB to RPPC (KISPL)	5.42
CSEB to RPPC (NVVNL)	34.56
CSPL CSEB to RPPC (NVVNL)	7.28
GANDHAR-LNG to RPPC (NVVNL)	0.08
GPIL CSEB to RPPC (NVVNL)	0.24
HFAL CSEB to RPPC (NVVNL)	0.05
ISL CSEB to RPPC (NVVNL)	2.85
JPL to RPPC (NVVNL)	26.64
KAWAS-RLNG to RPPC (NVVNL)	0.12
MIEL CSEB to RPPC (NVVNL)	13.78
MIELMH CSEB to RPPC (NVVNL)	6.89
MECBL CSEB to RPPC (NVVNL)	1.83
REALISPAT CSEB to RPPC (NVVNL)	0.17
RREL CSEB to RPPC (KISPL)	0.14
RREL CSEB to RPPC (NVVNL)	2.45

DESCRIPTION	Export(Mus)
SSPL CSEB to RPPC (KISPL)	4.10
SBMPL CSEB to RPPC (KISPL)	3.04
VGL CSEB to RPPC (NVVNL)	9.23
SSPL CSEB to RVPNL (KISPL)	0.14
MPSEB to UPPCL (MPPL)	1.73
JPL to BESCO (PTC LTD)	70.48
LAMKPL to BESCO (PTC LTD)	192.42
SSPL CSEB to KSEB (RPGPTCL)	0.15
NSPCL CSEB to SAIL-SLM (SAIL-SLM)	6.10
APL GUVNL to TNEB (NVVNL)	54.26
CSEB to TNEB (IEXL)	6.54
GUVNL to TNEB (PXIL)	27.65
TORRENT_GUVNL to TNEB (IEXL)	13.08
TORRENT_GUVNL to TNEB (PTC LTD)	61.89
NET EXPORT TO ER	106.87
NET EXPORT TO NR	505.66
NET EXPORT TO SR	120.95

दिनांक 31 | 10 | 2010 को राज्यानुसार संस्थापित क्षमता
INSTALLED GENERATION CAPACITY OF THE STATES INCLUDING SHARES AS ON 31.10.2010

(All fig. in MW)

State	Ownership	Hydro	Coal	Gas	Nuclear	Total	Diesel	RES	Total
Gujarat	State	772.00	4440.00	892.72	0.00	6104.72	17.28	29.90	6151.90
	Private	0.00	1640.00	2577.50	0.00	4217.50	0.20	1821.14	6038.84
	Central(firm allo)	0.00	1508.89	424.27	559.32	2492.48	0.00	0.00	2492.48
	Total	772.00	7588.89	3894.49	559.32	12814.70	17.48	1851.04	14683.22
Madhya Pradesh	State	1703.66	2807.50	0.00	0.00	4511.16	0.00	11.76	4522.92
	Private	0.00	0.00	0.00	0.00	0.00	0.00	232.60	232.60
	Central(firm allo)	1520.00	1474.60	257.18	273.24	3525.02	0.00	0.00	3525.02
	Total	3223.66	4282.10	257.18	273.24	8036.18	0.00	244.36	8280.54
Chhattisgarh	State	120.00	2060.00	0.00	0.00	2180.00	0.00	19.05	2199.05
	Private	0.00	1600.00	0.00	0.00	1600.00	0.00	199.90	1799.90
	Central(firm allo)	0.00	723.00	0.00	47.52	770.52	0.00	0.00	770.52
	Total	120.00	4383.00	0.00	47.52	4550.52	0.00	218.95	4769.47
Maharashtra	State	2884.84	7295.00	912.00	0.00	11091.84	0.00	257.73	11349.57
	Private	447.00	2470.00	180.00	0.00	3097.00	0.00	2316.15	5413.15
	Central(firm allo)	0.00	2003.05	2623.93	690.14	5317.12	0.00	0.00	5317.12
	Total	3331.84	11768.05	3715.93	690.14	19505.96	0.00	2573.88	22079.84
Goa	State	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
	Private	0.00	0.00	48.00	0.00	48.00	0.00	30.00	78.00
	Central(firm allo)	0.00	277.03	0.00	25.80	302.83	0.00	0.00	302.83
	Total	0.00	277.03	48.00	25.80	350.83	0.00	30.05	380.88
DD	State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Central(firm allo)	0.00	19.04	4.20	7.38	30.62	0.00	0.00	30.62
	Total	0.00	19.04	4.20	7.38	30.62	0.00	0.00	30.62
DNH	State	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Private	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Central(firm allo)	0.00	22.04	27.10	8.46	57.60	0.00	0.00	57.60
	Total	0.00	21.00	27.10	8.46	57.60	0.00	0.00	57.60
WR	State	5480.50	16602.50	1804.72	0.00	23887.72	17.28	318.49	24223.49
	Private	447.00	5710.00	2805.50	0.00	8962.50	0.20	4599.79	13562.49
	Central(firm allo)*	1520.00	5675.30	3336.68	1611.86	12143.84	0.00	0.00	12143.84
	Unallocated	0.00	950.35	196.91	228.14	1375.40	0.00	0.00	1375.40
	Total	7447.50	28938.15	8143.81	1840.00	46369.46	17.48	4918.28	51657.57

Note - Renewable Energy Sources (RES) includes Small Hydro Project, Biomass Gasifier, Biomass Power, Urban & Industrial Waste Power

c) SILENT FEATURE OF WESTERN REGION GRID FOR THE MONTH OF OCT -2010

l)

1. स्थापित क्षमता Installed Capacity (MW)	गुजरात Gujarat	मध्य प्रदेश M.P	छत्तिसगढ़ CSEB	महाराष्ट्र Mah.	गोवा Goa	सेंट्रल सेक्टर Central Sector	सेंट्रल सेक्टर Central unlocated	पश्चिम क्षेत्र Western Region
अक्टूबर Oct'09	13320	8299	4425	20597	381	13872	1375	48485
अक्टूबर Oct'10	14683	8281	4769	22080	381	13872	1375	51658
वृद्धि प्रतिशतमें % increase	10.24	-0.22	7.79	7.20	0	0.00	0.0	6.54
2. ऊर्जा Energy (Gross)	गुजरात Gujarat	मध्य प्रदेश M.P	छत्तिसगढ़ CSEB	महाराष्ट्र Mah.	गोवा Goa	दिव दमण DD	दादरा नगर हवेली DNH	प क्षेत्र Western Region
असिमित आवश्यकता Unrestricted requirement (MUs)								
अक्टूबर Oct'09	6254	3728	922	10618	249	157	288	23168
अक्टूबर Oct'10	7471	4098	1757	10840	221	185	349	24922
असिमित आवश्यकता Unrestricted Requirement MUs/day								
अक्टूबर Oct'09	202	120	30	343	8	5	9	747
अक्टूबर Oct'10	241	132	57	350	7	6	11	804
ऊर्जा उपलब्धता Energy availability (MUs)								
अक्टूबर Oct'09	6194	3204	897	8905	245	148	314	19909
अक्टूबर Oct'10	6956	3393	1753	9444	219	167	348	22290
ऊर्जा उपलब्धता Energy availability MUs/day								
अक्टूबर Oct'09	200	103	29	287	8	5	10	642
अक्टूबर Oct'10	224	109	57	305	7	5	11	719
3. मांग Demand	गुजरात Gujarat	मध्य प्रदेश M.P	छत्तिसगढ़ CSEB	महाराष्ट्र Mah.	गोवा Goa	दिव दमण DD	दादरा नगर हवेली DNH	प क्षेत्र Western Region
असिमित मांग Unrestricted demand (MW)								
अक्टूबर Oct'09	10855	6977	2878	18784	450	249	509	38624
अक्टूबर Oct'10	11296	7088	2789	18664	415	270	507	39816.9
प्रतिशत in%	4.06	1.59	-3.09	-0.64	-7.78	8.43	-0.39	3.09
चरम मांग Peak Demand met (MW)								
अक्टूबर Oct'09	9964	6154	2764	14411	410	237	461	32718
अक्टूबर Oct'10	10344	6114	2769	15255	368	252	504	34339
प्रतिशत in%	3.81	-0.65	0.18	5.86	-10.24	6.33	9.33	4.95
4. मांग और ऊर्जा में कमतरता प्रतिशतमें	Shortage in demand and energy (%)							
क्षमतामें कमी Capacity shortage	गुजरात Gujarat	मध्य प्रदेश M.P	छत्तिसगढ़ CSEB	महाराष्ट्र Mah.	गोवा Goa	दिव दमण DD	दादरा नगर हवेली DNH	पश्चिम क्षेत्र Western Region
अधिशेष (-)/surplus (+) (MW)								
अक्टूबर Oct'09	-891	-823	-114	-4373	-40.00	-12.00	-48.00	-5906
प्रतिशत in%	-8.21	-11.80	-3.96	-23.28	-8.89	-4.82	-9.43	-15.29
अक्टूबर Oct'10	-952	-974	-20	-3409	-47	-18	-3	-5478
प्रतिशत in%	-8.43	-13.74	-0.72	-18.27	-11.33	-6.67	-0.59	-13.76
ऊर्जा में कमी Energy अधिशेष Surplus (+) (MUs)	गुजरात Gujarat	मध्य प्रदेश M.P	छत्तिसगढ़ CSEB	महाराष्ट्र Mah.	गोवा Goa	दिव दमण DD	दादरा नगर हवेली DNH	प क्षेत्र Western
अक्टूबर Oct'09	-59.92	-523.72	-24.66	-1713.30	-4.20	-8.93	26.23	-3259.39
प्रतिशत in%	-0.96	-14.05	-2.68	-16.14	-1.68	-5.69	9.10	-14.07
अक्टूबर Oct'10	-515.16	-705.00	-4.00	-1396.06	-2.17	-18.39	-0.85	-2631.39
प्रतिशत in%	-6.90	-17.20	-0.23	-12.88	-0.98	-9.92	-0.24	-10.56

माह अक्टूबर 10 में ग्रिड के प्रमुख उप केन्द्र का विद्युतदाब रूपरेखा

Voltage Profile of major Sub-Stations for the month of Oct -2010

क्षेत्र Region	सब स्टेशनका नाम Sub station name	अर्कितमुल्य विद्युतदाब Nominal Voltage(KV)	विद्युतदाब स्थिती (प्रतिशत समय) Percentage of time when voltage was			अधिकतम विद्युतदाब Max. Voltage(KV)	न्यूनतम विद्युतदाब Min. Voltage(KV)	संक्षिप्त स्पष्टीकरण Brief Explanation
			Below 0.97p.u.	0.97- 1.03p.u	Above 1.03 p.u.			
Western	धुले Dhule	400	0.00	20.06	79.94	432	390	
	असोज Asoj	400	0.00	0.00	100.00	427	406	
	कराड Karad	400	0.00	9.46	90.54	434	400	
	कासोर Kasor	400	0.00	9.42	90.58	432	405	
	इन्दौर Indore	400	0.89	77.59	21.52	425	379	
	इटारसी Itarsi	400	0.00	32.76	67.24	430	393	
	जेतपुर Jetpur	400	5.47	75.10	19.43	418	358	
	भिलाई Bhilai	400	0.00	45.54	54.46	422	401	
	बिना Bina	400	0.00	48.60	51.40	431	395	
	ग्वालियर Gwalior	400	0.00	36.78	63.22	428	391	

A) Inter-Regional Transfer Of Energy For The Month Of Oct- 2010	
EXPORT	Mus
NET EXPORT TO ER	106.87
NET EXPORT TO NR	505.66
NET EXPORT TO SR	120.95

B) INTRA- REGIONAL ENERGY EXCHANGES(In Mus)	
DESCRIPTION	Mus
NSPCL CSEB to DD (BILATERAL)	49.52
NSPCL CSEB to DD (DD)	24.28
NSPCL CSEB to DNH (BILATERAL)	70.67
NSPCL CSEB to DNH (DNH)	22.41
JPL to MPSEB (MPSEB)	32.09
BALCO CSEB to MSEB (NVVNL)	12.23
JPL to MSEB (NVVNL)	74.40
JBIL CSEB to MSEB (RPGPTCL)	2.62
MCPL MPSEB to MSEB (NVVNL)	4.60
MIEL CSEB to MSEB (NVVNL)	24.14
MIELMH CSEB to MSEB (NVVNL)	12.37
JPL to RINFRA MSEB (JPL)	183.68
MPSEB to RINFRA MSEB (LANCO)	39.68
MPSEB to RINFRA MSEB (RINFRA MSEB)	10.08
BALCO CSEB to TPC MSEB (GMRETL)	19.51

Annexure-IV(3)

(C) Exchanges through Indian Energy Exchange (All figures are in Mus)

(Figures in bracket are export)

TOTAL	GUVNL	MPPTCL	CSEB	MSEDCL	GOA	DD	DNH	JINDAL POWER	LANCO
(156.554)	(41.025)	4.568	(217.563)	131.651	6.002		0.216	(40.403)	0

(D) Exchanges through Power exchange India ltd. (All figures are in Mus)

(Figures in bracket are export)

TOTAL	GUVNL	MPPTCL	CSEB	MSEDCL	GOA	DD	DNH	JINDAL POWER
(12.232)	(5.360)	5.137	(15.722)	4.149	0	0	0	(.436)

(E) Scope for further increase in Inter-state energy transfer and constraints if any: Nil

(F) Regulatory measures (If any) : Nil

AUFLS OPERATION DURING Oct- 2010

In the month of Oct- 2010 , frequency remained below 49.5 Hz for .95% of the time .
During the month frequency did not touch 48.8 Hz .

The details of operation of AUFLS are given below.

State	Dates on which frequency relays at 48.8 Hz operated	Actual load relief obtained (MW) (Range)	Load relief required as per the scheme (MW)	Dates on which U/F relays did not operate
Maharashtra	Nil	Nil	550	Nil
Gujarat	Nil	Nil	220	Nil
Madhya Pradesh	Nil	Nil	152	Nil
CSEB	Nil	Nil	38	Nil

REMARKS : The AUFLS operation is not consistent. During certain times of the day, load relief is very meager and not adequate to act as a defence mechanism against major disturbances. The load relief obtained from Maharashtra , Gujarat and Madhya Pradesh are inadequate.

PROGRESS OF ONGOING GENERATION PROJECT IN WESTERN REGION

Sr.No.	Name of the power project	Unit No.	Capacity(MW)	commissionig schedule
A	<u>GUJARAT</u>			
1	Sikka TPP extn	4	250	Nov-10
2	Ukai TPS extn	6	490	Feb-11
3	Pipavav CCPP-GPCL & GSPC joint venture	block 1 block 2	350 350	Dec-10 Mar-11
4	Mundra TPP ph-2 (Adani power)	4	330	Nov-10
5	Mundra ultra mega TPP (TATA)	1 2	800 800	Sep-11 Sep-12
6	Hazira CCPP Expansion GSEG	GT+ST	350	Nov-10
	OTHER PROJECTS			
1	Gujarat lignite NLC&GPCL joint venture	Stage 1 Stage 2	1500 500	2011-12 2012-13
2	Pipavav TPP - Torrent power		1000	2011-12
3	Mundra STPP (Adani power ltd)	1 2 3 4	660 660 330 330	Jan-11 Jul-11 Nov-10 Nov-10
B	<u>MADHYA PRADESH</u>			
1	Amarkantak TPS	2	500	Apr-11
2	Satpura TPS ext.	10 11	250 250	Nov-10 Mar-11
	OTHER PROJECTS			
1	Maheshwar HEP		400	2010-2011
2	Malwa TPP	1	500	Dec-10
C	<u>CHATTISGARH</u>			
2	Marwa TPP	1 2	500 500	Sep-12 Nov'12
3	Korba west -III TPP	1	500	Jun-12
	OTHER PROJECTS			
1	Bhaiyathan TPP Phase 1	1 2	500 500	Dec-12 Aug-13
2	IFFCO	1	660	Aug-12
			660	Dec-12
D	<u>MAHARASHTRA</u>			
1	Khaperkheda TPS Extn.	1 4	500 500	Mar-11 Mar-11
2	JSW Ratnagiri TPP (JSW Ltd.)	2 3 4	300 300 300	Nov'10 Dec'10 Mar'11
	OTHER PROJECTS	1	800	Oct-12
1	Koradi TPS extn	1	800	Nov-11
2	Dhopawe TPS	2 block 2	800 340	May-12 Dec-10
3	Utran CCPP	1	800	Apr-12
4	Koradi TPS extn.(replacement)	1	500	Dec-11
5	Chandrapur TPS Extn	2	500	May-12
E	<u>CENTRAL SECTOR</u>			
1	Sipat TPP	1 2 3 7	660 660 660 500	Nov'10 May'11 Nov'11 Nov-10
2	Korba STPS - III	1	500	2011-12
3	Mauda TPP	2	500	2012-13

PROGRESS OF TRANSMISSION LINE CONSTRUCTION IN WR

	Name of transmission line	<u>Length in ckt km.</u>	Commissioning Schedule	Remarks
A	Gujarat			
	I)400kV Lines			
1	Mundra-Varsana D/C	166	Dec'10	work under progress,ROW Problems
2	Tappar(Varsana)-Hadala	318	Nov`10	work under progress,ROW Problems
3	Essar - Hadala	226	Nov`10	work under progress,ROW Problems
5	400 kV Adani-Zerda Line no.2	661.12	Apr'11	Kept in abeyance as M/s APL backed out from PPA
6	400 kV Adani-Zerda Line no.1	661.12		LOI issued on 23.09.09, Firm has regretted the LOI
	II)220kV Lines			
1	220 KV D/C Utran- Kosamba s/s from Vav-Zagadia line-II	86	Nov`10	work under progress, ROW Problem
2	220 KV D/C GSEG(Hazira)-Kosamba line	124	Nov`10	Work under progress
3	220 KV D/C GPPC-Dhokadva line	100	Dec`10	Work under progress
4	LILO of one circuit of 220 KV D/C Savarkundla-Otha line at GPPC	93	Dec'10	Work under progress
5	LILO of 220 KV Morbi-Halvad line 1 at 400 KV Bhimasar (PG) S/S	215	Jan'11	Check survey work under progress
6	LILO of 220 KV Morbi-Halvad line 2 at 400 KV Bhimasar (PG) S/S	210	Jan'11	Check survey work under progress
7	220 KV GSEG(Hazira)-Mota line	111.06	Nov'10	Check survey work under progress
8	220 KV D/C Nakhatrana-Varsana line	190	Dec'10	Check survey work under progress
B)	Madhya Pradesh			
	I) 400kV Lines			
	II) 220kV Lines			
1	LILO of 1st ckt DCDS200KV Gwalior-Malanpur at 400kv Gwalior PGCIL S/S	16.4	2010-11	Work restarted and is nearing completion
2	Satna - Chhatapur line	156.32	2010-11	Work under progress
3	Amarkantak- Birsinghpur DCDS at 400kv s/s Sukha (PGCIL)	331.8	2010-11	Work under progress
4	Jabalpur-Narsingpur part line for 400kv PGCIL Sukha	153.14	2010-11	Work almost completed, charging being arranged
5	Chhindwara- Betul	270	2010-11	Work almost completed, railway crossing work balance
6	Chegoan - Nimrani	205	2010-11	Work almost completed, charging being arranged
7	Maheshwar - Rajgarh	230	2011-12	Forest approval not yet received.work not commenced
8	Dewas - Astha line	144	2010-11	Work in progress
C)	Chhatisgarh			
	I) 400kV Lines			
1	LILO of 400 kV Korba(west)-Bhilai to Raipur DCDS	25	Dec'10	Profile of 19.937 km has been approved.
2	400 kV Korba(West) – Khedamara DCDS	224	Dec'11	Work under progress
3	400 KV DCDS Marwa TPP-Proposed 400 KV s/s Raipur	150	Mar'12	Order to be placed in Mar'10

PROGRESS OF TRANSMISSION LINE CONSTRUCTION IN WR

	Name of transmission line	<u>Length in ckt km.</u>	Commissioning Schedule	Remarks
4	LILO of 400 KV Korba(W)Bhilai(Khedmara) line to Marwa TPP	65	Mar'12	Preliminary survey and tender preparation under progress
II) 220kV Lines				
1	Korba- Bishrampur DCSS	153	2010-11	Payment for forest compensation ha been made, work will start after second phase approval of forest.
2	LILO of 220kv Bhatapara-Raipur (PGCIL)at Doma	21.47	Nov'10	Work under progress
3	220 KV DCSS Kheedmara - 220KV s/s Bentara + 1 no. bay at Khedmara & 1 no. at Betemara	50.9	Dec'10	Work under progress
4	Chhuri - Mopka DC DS line	90	Aug'11	Profile of 34.84 km has been approved
5	I/C between new power house at Korba (E)to proposed 220 kv Chhuri	30	2010-11	Work to be taken up
6	Diversion of 220kv line of Korba (E)- Bhilai emanating from 200 mw ph - II to Korba (E)	30	2009-10	Work to be taken up
7	Diversion of 220kv line of Korba - Bhatapara and 220k I/C in between Korba (w) and proposed 220 kv Cchuri s/s using section of Korba - Amarkantak- I & II	14	2010-11	Work to be taken up
8	Diversion of 220 KV Korba- Amarkantak Ckt-I & II to proposed 200/132 KV Chhuri s/s DCSS	4	2010-11	Land aaquisition under progress
D)	Maharashtra			
I) 400kV Lines				
1	Bhusawal-II -A'rangabad (location 1-270)	190	Dec`10	work in progress
2	400 KV D/C line from Chandrapur Wardha via Warora	123	Apr'11	Work in progress
3	400 KV line from Koradi TPS- Wardha s/s	120	Apr'11	Work in progress
II) 220kV Lines				
1	Chitegaon-Shendra D/C	43.1	Feb'11	Excavation work in progress
2	Beed - Patoda D/C	45	Nov'10	Work in progress
3	Parli TPS-Nanded M/C line (Waghala)	90.3	Nov'10	Work in progress
4	Jaina- Chikhali D/C	150	Dec'10	Work in progress

PROGRESS OF TRANSMISSION LINE CONSTRUCTION IN WR

	Name of transmission line	<u>Length in ckt km.</u>	Commissioning Schedule	Remarks
5	220kv D/C on D/C tower from 400kv Bhusawal-II to 220kv Amalner	182	Dec'10	Work still in progress
6	220 KV D/C on D/C Tower from Jeur-Paranda	30	Dec'10	Check survey in progress, work not started.
7	220 KV Koradi-Butibori II D/C line on M/C tower at 400 KV Koradi s/s	53	Nov'10	Work in progress
8	220 KV Paras-Balapur D/C on M/C	5.61	Nov'10	Work in progress
Sl.No	POWERGRID			
	765 kV & 400kv			
E)	W R Strengthening scheme-II			
For Absorbing import in Eastern and Central part of WR				
1	765 kv 2nd s/c Seoni(PG)-Wardha(PG)	261	Sep'11	Stringing commenced from April'10
2	400 KV Wardha(PG)-Parli(PG) D/C(quad.)	674	Dec'10	ROW problem
3	400 KV Raipur(PG) - Wardha(PG) D/C	741	Dec'10	Work affected due to ROW problem
4	400 KV Bhadravati(PG)-Parli(PG) D/C	776	Nov'10	Work affected due to ROW problem
5	400 KV Parli (MSEB)-Parli (PG) D/C	14	Nov'10	Engg & survey under progress
For Regional strengthening in southern Maharashtra to be implemented through IPTC Route by WR transmission				
6	400 KV Parli (PG)-Pune D/C	646	June'11	Objection from KEIPL SEZ on the line routing near Pune end.
7	400 KV Pune (PG)-A'bad(MSEB) D/C	450	Apr'11	Objection from KEIPL SEZ on the line routing near Pune end.
8	400 KV Parli(PG)-Pandharpur/Solapur D/C	272	May'11	WRTPL taken up the matter with MSETCL for clearance of crossing this line over existing line of MSETCL
9	400 KV Solapur(PG)-Kolhapur(MSEB)	438	May'11	All cases submitted for forest clearance
10	LILO of L'khand(MSEB)-Kalwa(MSEB) at Pune(PG) D/C	2.4	Dec'10	WRTPL taken up the matter with MSETCL for clearance of LILOing of this line
11	Lilo of Solapur(MSEB)-Karad(MSEB) D/C at Solapur (PG)	52	Dec'10	WRTPL taken up the matter with MSETCL for clearance of LILOing of this line
For Regional strengthening in Gujarat to be implemented through IPTC Route by WR transmission (Guj) Pvt.				
12	400 KV Rajgarh(PG)-Karamsad(GEB) D/C	468	Mar'11	Forest clearance awaited
13	400 KV Limdi(GEB)-Ranchodpura(GEB) D/C	206	Dec'10	
14	400 KV Ranchodpura(GEB)-Zerda(GEB) D/C	280	Dec'10	
For Regional strengthening in Northern Madhya Pradesh				
15	400 KV Korba(NTPC)-Birsinghpur(MPSEB) D/C	453	Dec'10	Ist stage forest clearance received
16	400 KV Birsinghpur-Damoh (PG) D/C	452	Dec'10	
Transmission system associated with Gandhar-II(GBPP)				
18	400 KV Gandhar-Kawas D/C	190	*	* 33 month from investment approval or from tying up date of FSA by NTPC whichever is later.
19	400 KV Gandhar-Rajkot D/C	600	*	
20	400 KV Lilo of Bina- Nagda D/C at Shujalpur	60	*	

PROGRESS OF TRANSMISSION LINE CONSTRUCTION IN WR

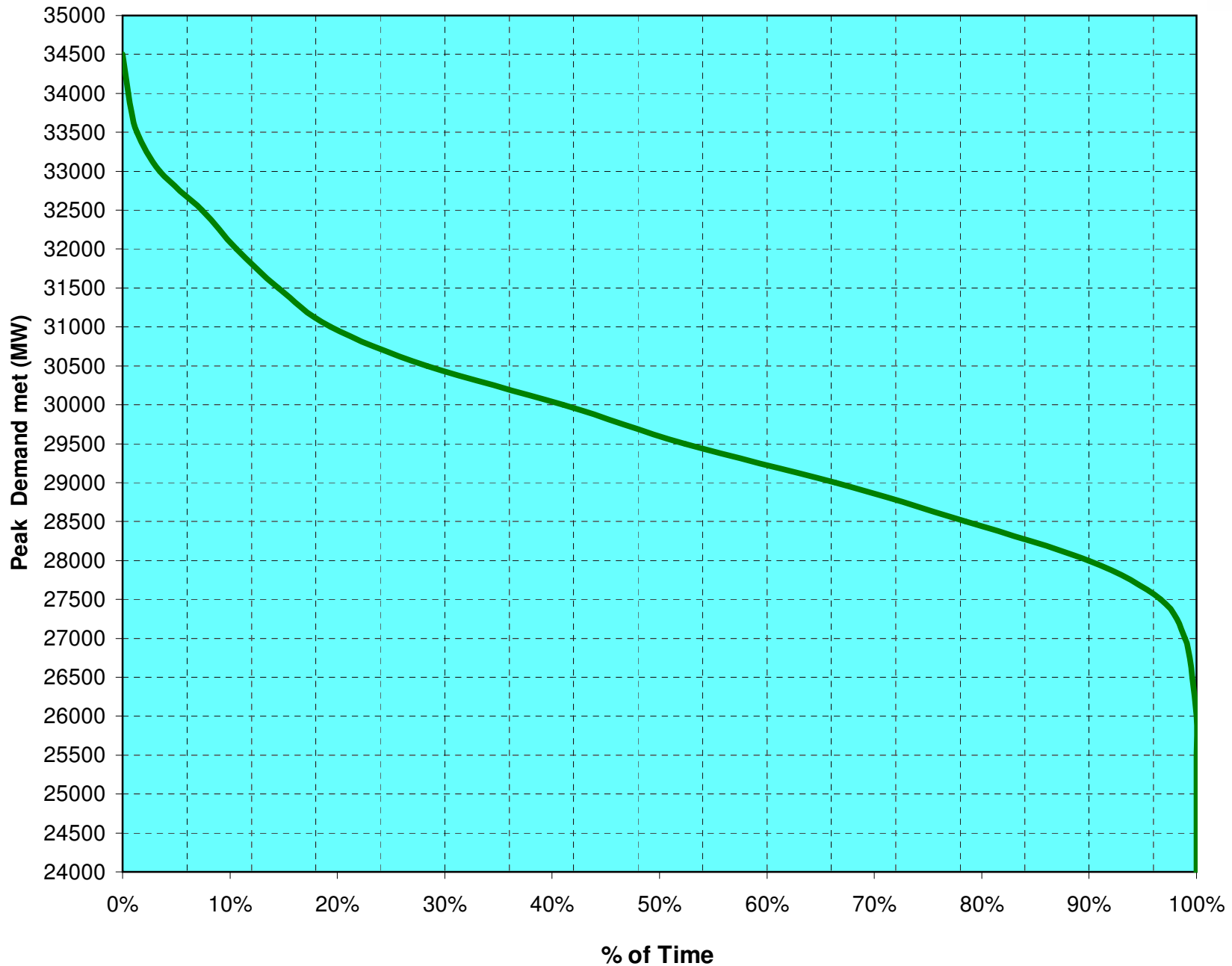
	Name of transmission line	<u>Length in ckt km.</u>	Commissioning Schedule	Remarks
WR strengthening system-V				
21	400 KV Vapi- Navi Mumbai D/C	258	Dec'11	Severe ROW problem
22	Vapi- Khadoli 220kv D/C	56	Nov'10	Severe ROW problem
23	Lilo of L'khand-Kalwa S/C at Navi Mumbai	10	Mar'11	Severe ROW problem
WR strengthening system-VI				
24	400 KV Dehgam Pirana D/C	92	Nov'10	
WR strengthening system-IX				
25	LILO of 400 KV Bina-Nagda Line at Sujalpur	60	Jan'11	Award placed in Nov'09
WR strengthening system-X				
26	LILO of 765 KV Sipat-Seoni line near Sipat at Bilaspur	14	Feb'12	Tendering under progress connected with Bilaspur Pooling station
WR strengthening system-XI				
27	LILO of 765 KV 2nd Sipat-Seoni line near Sipat at Bilaspur	24	Feb'12	Tendering under progress connected with Bilaspur Pooling station
Transmission system associated with Korba-III				
28	400 KV D/C Korba STPS-Raipur line	430	June'11	Effort is being made to complete the line earlier
Transmission system associated with Mundra UMPP				
29	400 KV D/C Mundra-Limbdi	626	Dec'11	Wild life sanctuary portion clearance awaited
30	400 KV D/C Mundra-Bachchauranchodpur	764	Dec'11	Wild life sanctuary portion clearance awaited
31	400 KV D/C Mundra-Bachchaur-Jetpur	666	Mar'12	Wild life sanctuary portion clearance awaited
32	400 KV D/C Gandhar-Navsari line	212	Dec'11	River crossing
33	400 KV D/C Navsari-Mumbai	408	June'12	01 out of 02 package awarded.
34	400 KV D/C Wardha-Aurangabad	800	Oct'12	Tendering under progress
35	400 KV D/C Aurangabad-Aurangabad(MSETCL)line	60	Oct'12	Tendering under progress
36	LILO of both ckt of Kawas-Navsari 220 kV D/C at Navsari	100	Oct'12	Tendering under progress
Transmission system associated with Sasan UMPP				
37	765 KV Sasan-Satna Line-I	257	Dec'12	
38	765 KV Sasan-Satna Line-II	260	Dec'12	Tower package awarded
39	765 KV Satna-Bina Line I	279	Dec'12	
40	765 KV Satna-Bina Line II	274	Dec'12	
41	765 KV Sasaram-Fatehpur line II	352	Dec'12	Tendering under progress
42	765 KV Agra-Fatehpur line	340	Dec'12	Tendering under progress
43	400 KV Bina-Bina(MPPTCL)line	10	Dec'12	Award placed in Mar'09,Engg. Under progress
44	LILO of both ckt of Vindhyanchal Jabalpur 400 KV D/C at Sasan	10	Dec'12	Award placed in Feb'09,Engg. Under progress
45	765 KV Bina-Indore line	320	Dec'12	
46	400 KV Indore-Indore(MPPTCL) line	120	Dec'12	
INTER-REGIONAL LINES				
East-West transmission corridor strengthening scheme				
1	400 KV Ranchi- Rourkela D/C	290	Dec'10	Under Progress
2	400 KV Raigarh-Rourkela D/C	420	Dec'10	Under Progress

Power system Operation Corporation Ltd.

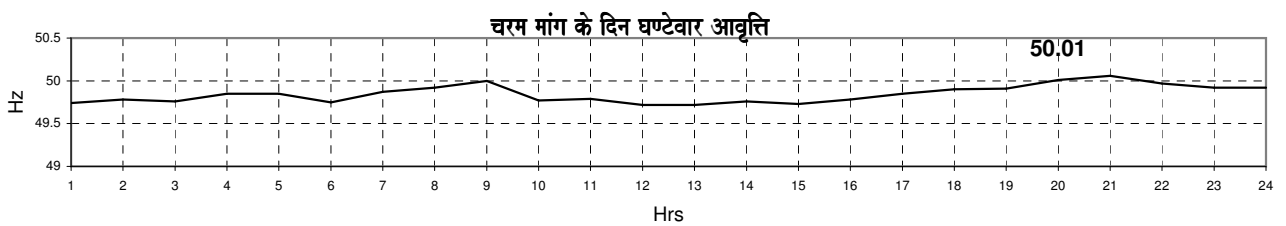
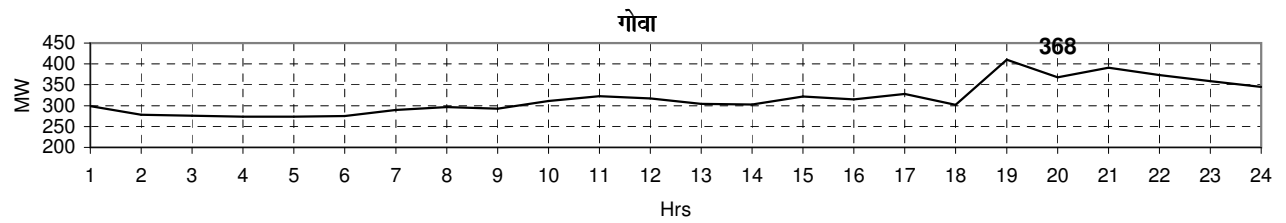
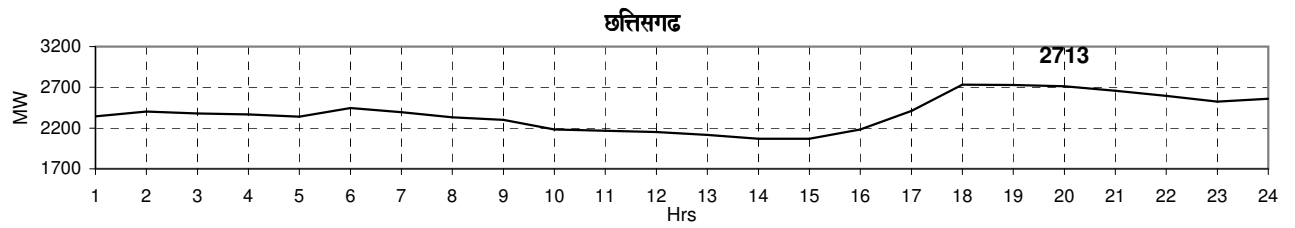
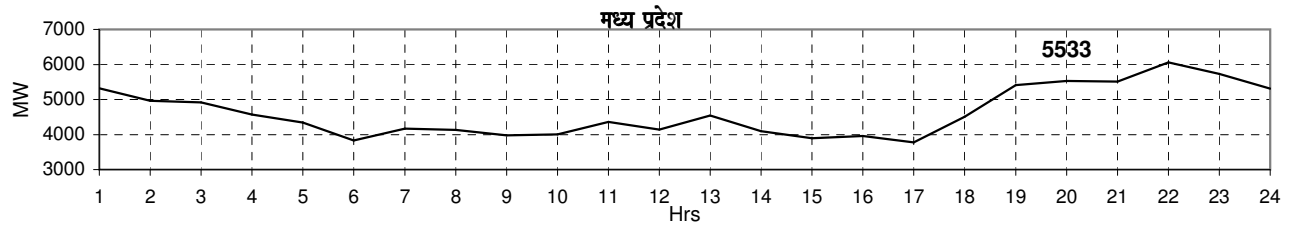
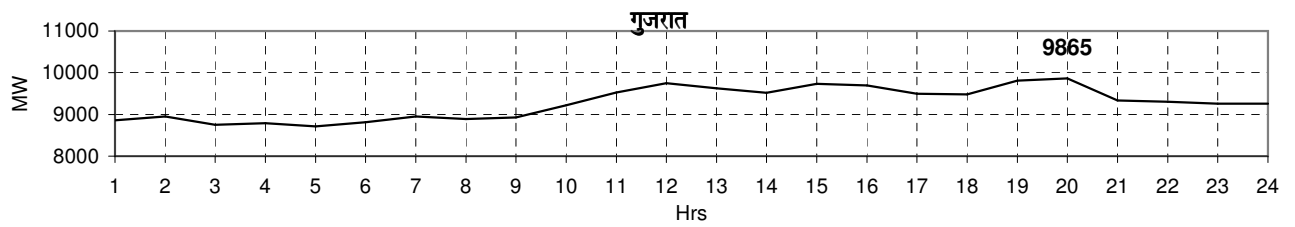
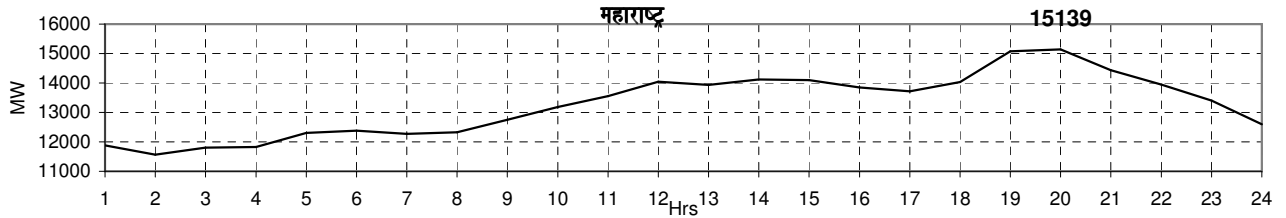
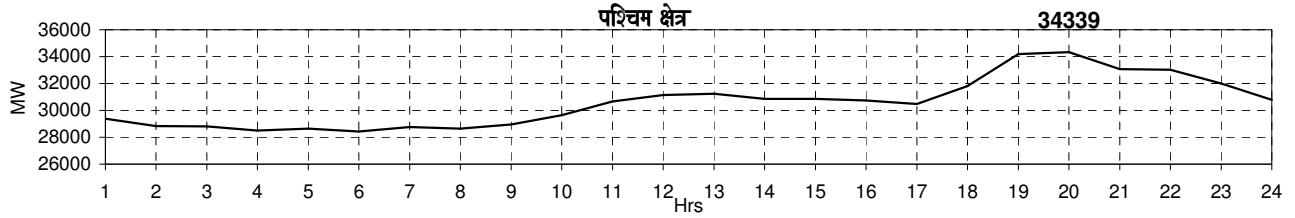
(A wholly owned subsidiary Company of POWERGRID)

Western Regional Despatch Centre

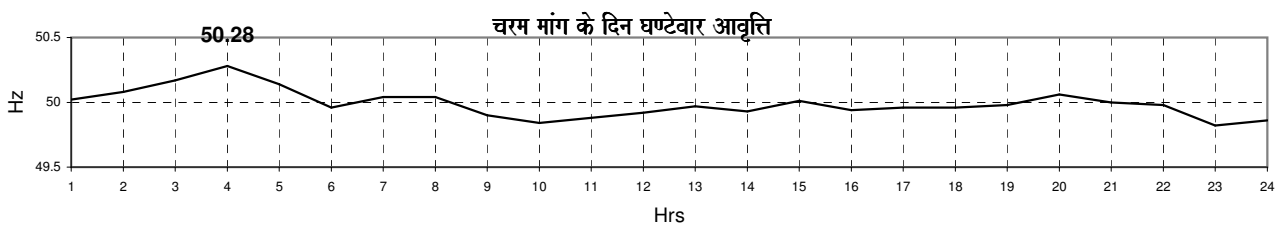
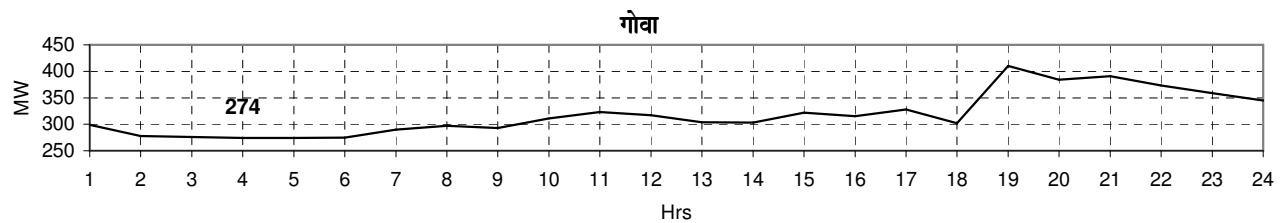
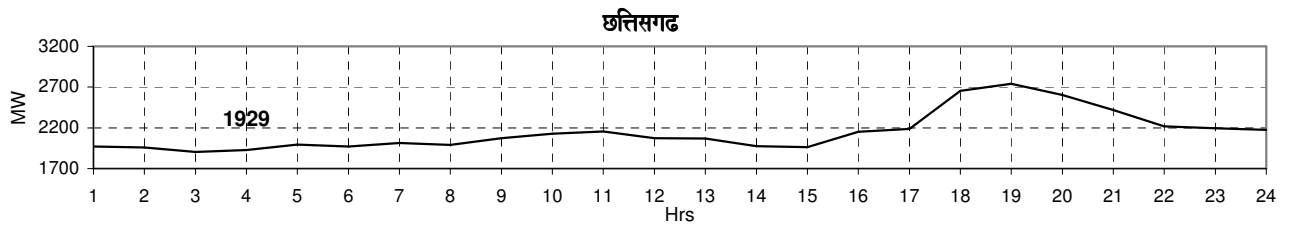
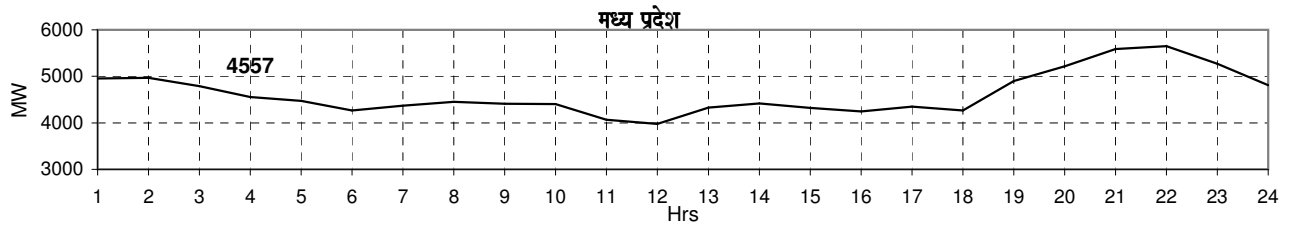
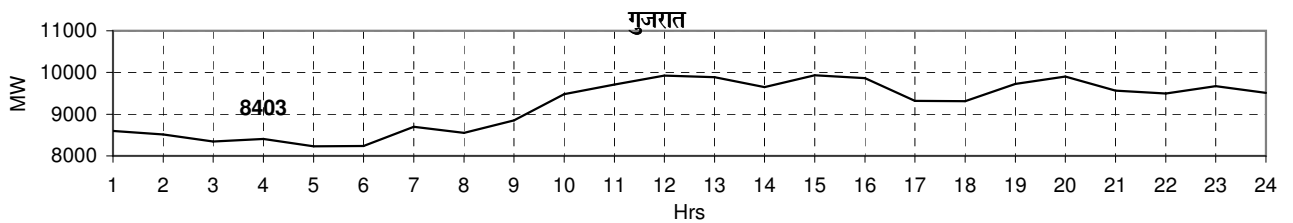
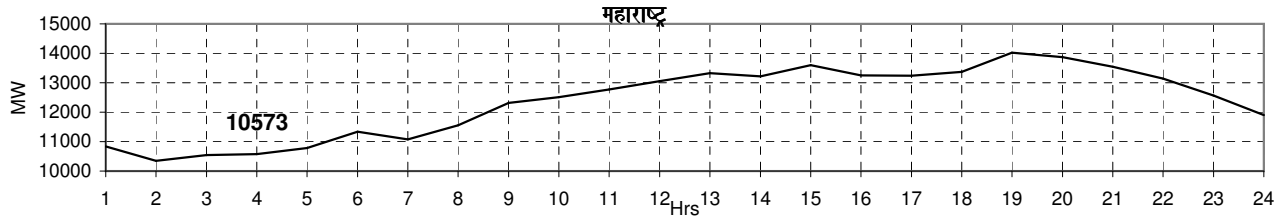
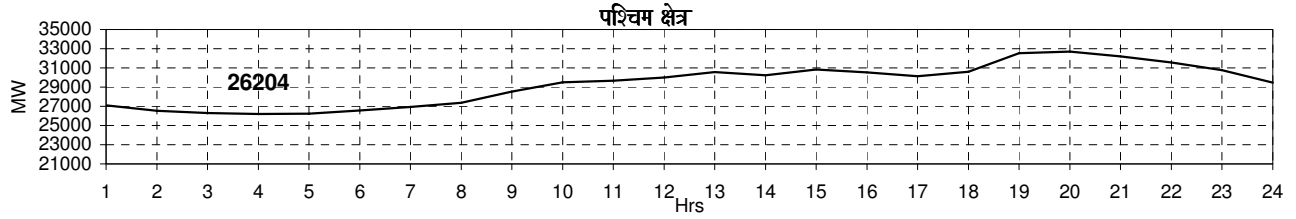
LOAD DURATION CURVE (OCT-2010) Max.demand met=34339 MW Min.demand = 26204 MW



पश्चिम क्षेत्र का चरम भार दिन के प्रतिघंटा भार वक
HOURLY DEMAND CURVES ON REGIONAL PEAK DAY 14.10.2010

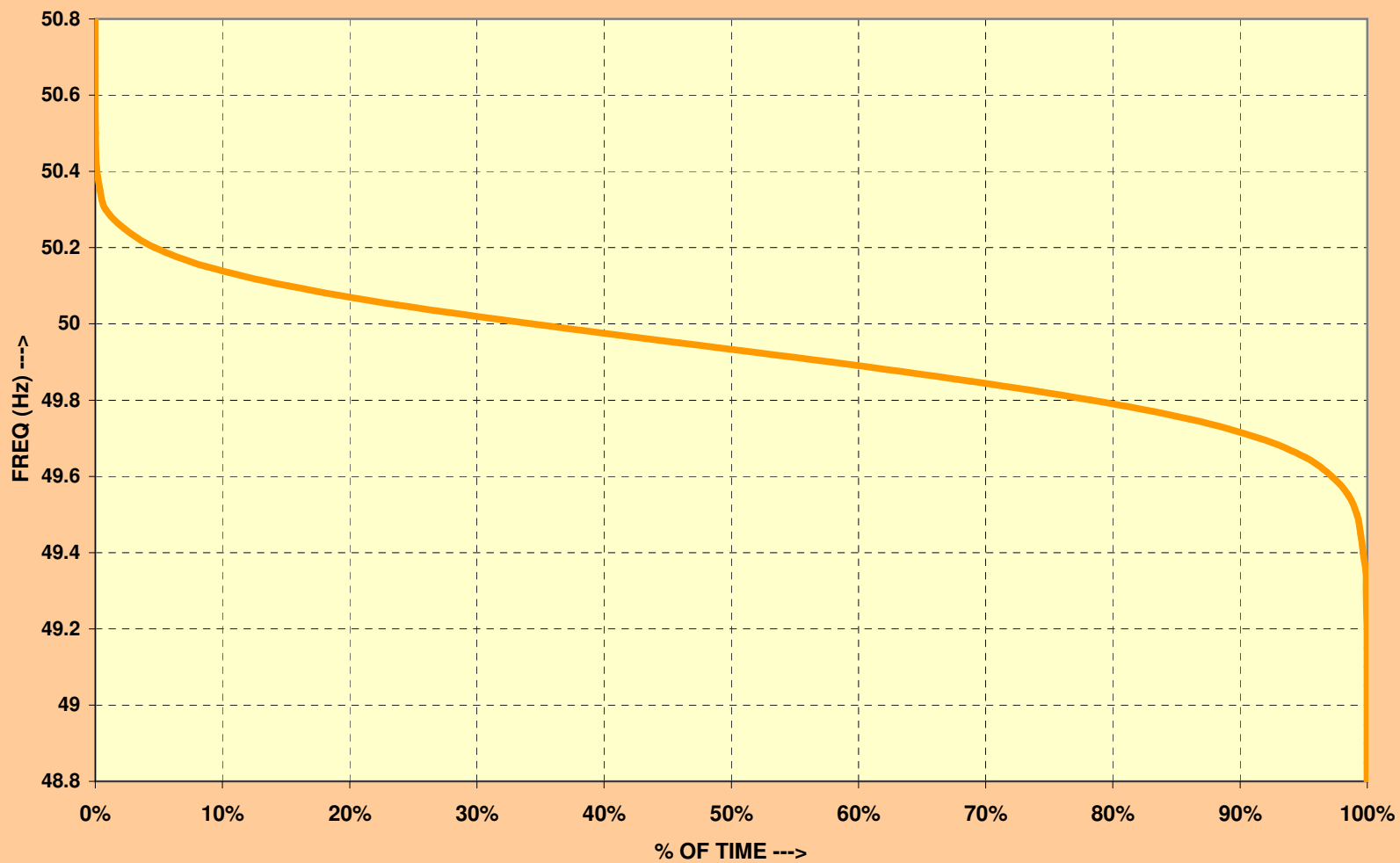


पश्चिम क्षेत्र का न्यूनतम भार दिन के प्रतिघंटा भार वक
 HOURLY MIN.DEMAND CURVES ON REGIONAL MINIMUM DAY 18.10.2010

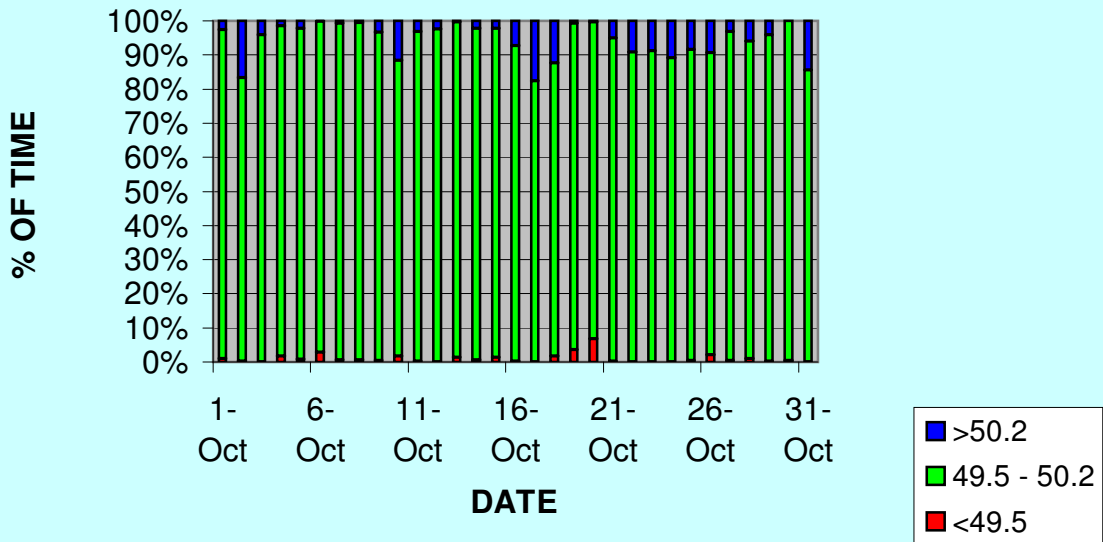


NEW GRID FREQUENCY DURATION CURVE FOR OCT'10

Max=50.59 Min=49.09



Frequency Profile - OCT'10



% of time Freq remained less than 49.5 in OCT'10 -Max 6.7 as compared to max 11.3 in SEP'10

