



पश्चिम क्षेत्रीय भार प्रेषण केंद्र कि
मई 2009 माह की प्रणाली प्रचालन रिपोर्ट

System Operation Report

Of Western Region

For the month of

May 2009

पावर ग्रिड कारपोरेशन ऑफ इंडिया लिमिटेड
पश्चिम क्षेत्रीय भार प्रेषण केन्द्र
एफ -3 एम.आय.डि.सी., मरोल, अंधेरी(पूर्व)
मुम्बई-400093

**POWERGRID CORPORATION OF INDIA LTD
WESTERN REGIONAL LOAD DESPATCH CENTRE
F-3,MIDC,MAROL,ANDHERI(E),MUMBAI-400093**

माह मए 09 में पश्चिम क्षेत्र का निष्पादन डाटा

Performance of Western Regional Grid during May .2009

1.0 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. <49Hz (MUs)	Underdrawal at Freq. >50.5Hz (MUs)
1.	गुजरात Gujarat	1162.41	1184.25	21.85	0.245	0.000
2.	मध्य प्रदेश Madhya Pradesh	1187.76	1183.29	-4.47	0.029	0.002
3.	महाराष्ट्र Maharashtra	2245.72	2396.77	151.05	0.131	0.079
4.	छत्तिसगढ Chhattisgarh	-57.21	-195.90	-138.68	0.379	1.074
5.	गोवा Goa	180.98	185.17	4.18	0.074	0.052
6.	दमन और दीव D&D	122.50	133.00	10.56	0.053	0.000
7.	दादर नगर हवेली DNH	239.97	240.86	.89	0.038	0.000
8.	पावरग्रिड एचवीडीसी PG(HVDC)	1.80	1.04	-0.756		
9	कुल TOTAL	5083.93	5128.48			

2.0 Inter-Regional Exchange of Power from / to Western Region during May- 2009

LINES	Import (Mus)
From ER(NTPC) to GUVNL	59.657
From ER(NTPC) to MPPTCL	47.728
From ER(NTPC) to CSEB	19.539
From ER(NTPC) to MSETCL	120.94
From ER(NTPC) to GOA	0.964
From ER(NTPC) to DD- AC link	5.644
From ER(NTPC) to DNH- AC link	10.663
From AP-NER to REL MSEB (TPC MSEB)	0.133
From AP-NER to REL MSEB (TPCL)	1.188
From RANASUGAR (NR) to TPC MSEB (INSTINCT)	4.457
From RANASUGAR (NR) to TPC MSEB(TPCL)	0.207
From TATA HALDIA to RINFRA MSEB(TPTCL)	0.875
From DVC to MPPTCL (Long Term Open Access)	25.563
From Hirakud to CSEB	1.314
From SIKKIM to RINFRA MSEB(AEL)	42.396
From AP-NER to REL MSEB(AP-NER)	1.294
AP-NER TO MPSEB (MPSEB)	1.2
NBVL TO MSEB (TPTCL)	1.666
WBSEB TO MSEB (NVVNL)	0.873
WBSEB TO REL MSEB (TPTCL)	0.534
NBFAL GRIDCO TO RINFRA MSEB (TPTCL)	15.011
WBSEB TO RINFRA MSEB (TPTCL)	0.145
ER ISGS TO S REGION (BILATERAL)	0.188
TALCHER II - ER TO S REGION (BILAT.)	0.129
MATATILA TO MPPTCL (LONG TERM)	2.279
BSES YM (DTL) TO MPSEB (LANCO)	0.403
AMBUJA CEMENT TO REL MSEB (A C)	1.521
GOA (SR) TO GOA (GOA SR)	0.774
APPCC TO RINFRA MSEB - LANCO	0.474
GFL TO TPC MSEB - LANCO	2.954
From GOA (SR) to GOA (WHEELING)	2.95
From GOA (SR) to GOA (BILATERAL)	8.088
From AMBUJA CEMENT (PSEB) to REL MSEB (TPC MSEB)	0.109
From AMBUJA CEMENT (PSEB) to REL MSEB (TPCL)	2.739

From JK to CSEB (NVVNL)	75.131
From RIHAND HYDRO to MPPTCL (LTOA)	6.882
From TATA HALDIA to MSEB(TPTCL)	2.688
net import from NR	59.91
net import from SR	0.003
net import from ER	77.425

Lines	Export(Mus)
From CSEB to TNEB (PTC)	48.13
VGL CSEB TO TNEB (GMRETL)	13.161
BALCO CSEB TO JVVNL (LANCO)	2.448
CSEB TO APPCC (PTC)	0.935
HFAL CSEB TO APPCC (LANCO)	0.206
SEML CSEB TO APPCC (LANCO)	0.141
MIEL CSEB TO TNEB (GMRETL)	11.282
BPIL CSEB TO TNEB (GMRETL)	5.643
ER ISGS S REGION (BILATERAL)	0.177
TALCHER ER TO SR(BILATERAL)	11.522
JPL TO BESCO (LANCO)	140.784
VGL CSEB TO APPCC (LANCO)	0.154
SEML CSEB TO APPCC (LANCO)	0.058
RENFRA GOA TO APPCC (RETL)	7.262
CSEB TO TNEB (PTC)	79.678
GUVNL TO TNEB (NVVNL)	43.088
HFAL CSEB TO TNEB (LANCO)	3.702
MIEH CSEB TO TNEB (LANCO)	6.697
SEML CSEB TO TNEB (LANCO)	1.154
CSEB TO VAL ER (PTC)	25.94
BPIL CSEB TO WBSEB(TPTCL)	1.52

CIAL CSEB TO WBSEB (TPTCL)	11.035
GPIL CSEB TO WBSEB (TPTCL)	5.067
IEEL CSEB TO WBSEB (TPTCL)	4.76
JPAL CSEB TO WBSEB (TPTCL)	12.157
MSPPL CSEB TO WBSEB - TPTCL	2.832
NSAIL MPEB TO WBEB - TPTCL	3.152
REALISPAT TO WBSEB -TPTCL	0.608
RSIPIL CSEB TO WBSEB-TPTCL	2.832
SKSIP CSEB TO WBSEB - TPTCL	12.913
SEML CSEB TO WBSEB - TPTCL	6.663
SNIL CSEB TO WBSEB- TPTCL	8.11
SALS GUVNL TO WBSEB- TPTCL	13.025
VIL CSEB TO WBSEB TPTCL	3.089
IIPL MSEB TO BSEB RAJ - RETL	16.123
TPC MSEB TO HARYANA- TPTCL	0.539
CSEB TO JVVNL - PTC	0.129
BALCO CSEB TO JAIPUR DISCOM- LANCO	63.535
CSEB TO JAIPUR DISCOM - PTC	29.326
MIEL CSEB TO JAIPUR DISCOM- LANCO	20.986
JAYPEE MP TO JP CEMENT (UP)-JAIPRAKASH MPSEB	2.969
MCPL MPSEB TO NPCL - AEL	5.783
MPSEB TO NDPL (DTL) - LANCO	17.181
CIAL CSEB TO RPPC (TPTCL)	0.114
HFAL CSEB TO RPPC - TPTCL	0.31
SKSIP CSEB TO RPPC - TPTCL	0.408
BPIL CSEB TO APPCC-LANCO	0.068
CSEB TO APPCC (PTC)	1.048

CSPL CSEB TO APPCC- LANCO	0.136
HFAL CSEB TO APPCC (LANCO)	0.077
I IPL M SEB TO APPCC- RPTCL	6.025
MARAL MPSEB TO APPCC - TPTCL	2.746
REALISPAT TO APPCC- LANCO	0.046
RREL CSEB TO APPCC- LANCO	0.061
from GUVNL TO TNEB (NVVNL)	51.8
From GPIL CSEB to APPCC (LANCO)	0.108
From JPAL CSEB to APPCC (JPL)	175.98
From GPIL CSEB to TNEB(GMRETL)	11.282
From REALISPAT CSEB to TNEB(GMRETL)	4.059
From RREL CSEB to TNEB(GMRETL)	5.079
From SEML CSEB to RPPC (TPTCL)	2.171
From SKSIP CSEB to APPCC(TPTCL)	0.979
From CSPL CSEB to TNEB(GMRETL)	11.282
From ACC (KYMORE) MPSEB to APPCC(TPTCL)	3.358
Net export to SR	457.418
Net export to NR	278.803
Net export to ER	84.489

आवृत्ति रूपरेखा
Frequency Profile

a.	अधिकतम आवृत्ती एकिकृत	Maximum frequency(Inst)	:	50.82 Hz
	न्यूनतम आवृत्ती एकिकृत	Minimum frequency(Inst)	:	48.78 Hz
	औसत आवृत्ती	Average frequency	:	49.68 Hz

b. आवृत्ती वितरण प्रतिशत में Frequency distribution in %

Hz	<48.8	48.8-49.2	49.2 -49.5	49.5-49.8	49.8-50.3	50.3-51.0	>51.0
%	0	6.44	23.16	33.86	34.19	2.34	0

Power Supply Position and Peak Demand / Met In Western Region

a. विद्युत पूर्ति की स्थिति Power Supply Position

	May-09			Apr -09to May-09		
	Requirement (MUs)	Availability (MUs)	Shortage (%)	Requirement (MUs)	Availability (MUs)	Shortage (%)
Gujarat	6004	5964	0.67	11884	11583	2.53
CSEB	1180	1168	1.02	2333	2273	2.57
MPSEB	3407	2860	16.05	6902	5712	17.24
Maharashtra	11243	9411	16.29	22668	18279	19.36
Goa	270	262	2.96	542	527	2.76
D&D	147	143	2.72	281	273	2.84
DNH	285	278	2.45	555	541	2.52
Western Region	22500	20086	10.72	45131	39189	13.23

b. Peak Demand / Demand Met(MW)

	Apr-09			Apr -09 to Apr-09		
	Requirement (MW)	Availability (MW)	Shortage (%)	Requirement (MW)	Availability (MW)	Shortage (%)
Gujarat	8954	8732	2.48	9461	8967	5.22
CSEB	2854	2773	2.84	2996	2880	3.87
MPSEB	6076	5074	16.49	6740	5468	18.87
Maharashtra	17934	14011	21.87	19151	14801	22.73
Goa	443	400	9.70	455	400	12.09
D&D	245	220	10.20	280	255	8.93
DNH	452	407	9.95	485	441	9.07
Western **Region	35728	30273	15.26	36793	31509	14.36

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

Progress of Transmission Line under construction in Western Region

	Name of transmission line	Length in Ckt. Km	Total Locations(Nos)	Commiss- ioning Schedule	Remarks
A	गुजरात Gujarat				
	I)400kV Lines				
1		-	-		
	II)220kV Lines				
1	Bardoli-Chikhali D/C	96	152	Sep '08	Erection of gantry is pending
2	Rajkot(Nyara)-Morbi D/C	132		2007-08	Ckt 1 charged on 31/05/07 upto Morbi S/S & ckt II charged on 26/05/07
3	Kansari - Dhanera D/C	2 x27.4	90	2008-09	Work under progress
4	Rajkot-Morbi D/C	132	209	2007-08	Stub setting & tower erection under progress
5	Dhanki-Adalsar D/C	2x9.2	31		work stopped due to tower material shortage
6	Vapi-Bhillad D/C	2x24	77	2007-08	Mar'08
7	Vadhavi(400kV Ran'pura)-Mitha D/C	2x22	88	2008-09	Route map submitted for approval
8	Vadhavi(400kV Ran'pura)-Mitha (Jotana)	116		2008-09	
11	LILO of Nanikhakhar-Shivlakha at Varsana S/S	20		2008-09	
12	LILO on both ends of Anjar-Panadhro at Kukma S/S	20		2008-09	
13	LILO of 2 nd ckt.of Ukai(T)-Vav at Mota S/S	9.6	16	2008-09	
14	220kV D/C Adasar-Bala	20		2008-09	
15	220kV D/C Vadavi(Ranchhodpur)-Mitha(Jotana)	116		2008-09	
16	HL stringing of 2 nd ckt.of Morbi-Chitrod	63		2008-09	
17	220kV D/C Chorania-Bala	59.12		Dec' 08	Work is suspended due to ROW
18	220kV D/C Bala-Raipur	0.58	18	2008-09	
19	220kV D/C Raipur-Dudhrej	19.16	43	Dec' 08	Work is suspended due to ROW
20	220kV LILO at Lakhani S/S from both ckt of Kansari-Tharad	8		2008-09	
21	220kV LILO Mota(Bardoli)S/S from 2 nd ckt of Ukai(T)-Vav	9.60	16	Sep' 08	
22	220kV LILO Botad S/S from Kasor-Vartej line	90			Tender for preparation of profile work opened
23	220kV LILO at Chitrod from Deodar-Anjar				
24	220kV LILO at Kukma S/S from one ckt of Shivlaktha-Nanikhakhar	34			Route approved. Submission of profile under progress
B)	मध्य प्रदेश Madhya Pradesh				
	I) 400kV Lines				
1					
2					
3					
	II) 220kV Lines				
2	Bina-Shivpuri	2x170	543	2008-09	Work under progress
3	Shivpuri-Sabalgarh DCDS	210	370	2008-09	
5	Bina-Guna ckt-II	131.2	-	2008-09	Work completed
7	Omkareswar-Sanawad D/C	2x23.05	80	2008-09	

	Name of transmission line	Length in Ckt. Km	Total Locations(Nos)	Commissioning Schedule	Remarks
8	LILO of Damoh-Bijawar D/C	2x15.5	55	2008-09	
9	Betul-Gudgaun	61.4	155	2008-09	
10	Tikamgarh-Jatara	37	123	2008-09	
11	Mahgaon-Porss-Ambah	56	175	2008-09	
12	Malanpur-Morar	30	105	2008-09	
13	Khilchipur –Jeerapur	22.557	76	2008-09	
14	Meghnagar-Jhabua-Raigarh	54	224	2008-09	
15	Guna-Raghoarh for Bhonre D/C	2x25	88	2008-09	
16	Bansagar IV-Amarpatni	67.5	227	2008-09	
17	LILO of Nagda-Ratlam for Khachrod	2x0.278	4	2008-09	
19	D/C LILO of both circuits of Bhopal-Itarsi at Itarsi	4		2008-09	
20	LILO of Birsingpur-Rewa at Amarkantak	42		2008-09	
21	LILO of Birsingpur-Rewa for Sidhi	92		2008-09	
22	Seoni 400 kV(PG)-Seoni (MP)-D/C	20		2008-09	
23	D/C Amarkantak-Jabalpur	470		2008-09	
24	Seoni 400 kV S/S(PG)-Seoni 220 kV S/S-D/C	6		2008-09	
25	Interconnector(400kV PGCIL-220kV Seoni S/S)	8.4	19	2008-09	
26	LILO of 1 st ckt of 220kV DCDS Gwalior-Malanpur	16.9	32	2008-09	
27	LILO of 1 st Ckt. Of 220 kV Indore-Dewas for 200 kV Indore S/S	0.39	2	2008-09	
28	Second ckt.of Pithampura-Raigarh	68.7		2008-09	
29	LILO of one ckt. Damoh-Bina for 400kV Damoh	4	6	2008-09	
30	LILO of Damoh-Tikamgarh for 400kV Damoh	4	6	2008-09	
33	LILO of Birsingpur-Satna one ckt at ATPS	87.4	147	2008-09	
34	LILO of both ckt of 220kV Burwaha-Neapanagar-2 nos DCDC for Omkareshwer FEP	120	97	2007-08	
35	Satna-Chhatarpur	140	492	2008-09	
36	Extension of 400kV Birsingpur-Katni-Damoh for PGCL Damoh	26.036	37	2008-09	
37	Diversion of 400kV Birsingpur-Katni-Damoh at Katni	4	5	2008-09	
38	Intconnector at 400kV Birsingpur-Katni-Damoh at Birsingpur	1.2	2	2008-09	
39	220kV Chhindwara-400kV PGCIL Seoni D/C	140	258	2008-09	Work in progress
41	LILO of one ckt 220kV Jabalpur-Itarsi at Piparia S/S	7.20	13	2008-09	Work in progress
42	LILO of second ckt 220kV Jabalpur-Itarsi at Narsingpur				Work in progress
43	220kV Bhopal-Ashta for Ashta S/S	194	340	2008-09	96km Survey competed. Work in progress
C)	छत्तिस गढ़ Chhatisgarh				
	I) 400kV Lines				
1	LILO of 400 kV Korba(west)- Bhilai to Raipur DCDS	50.00		2009-10	TC due on 16.10.08
2	400 kV Korba(West) – Khedamara DCDS	220.00		2009-10	-do-
	II) 220kV Lines				
1	Korba-Darri-Bishrampur D/C	300		2008-09	Case is submitted to AIG(FC)Min. of ENV&forest,New Delhi
2	K(E)-Batapara D/C	270		2008-09	
3	LILO of Korba-Amarkantak at Pendra D/C	29		2008-09	

	Name of transmission line	Length in Ckt. Km	Total Locations(Nos)	Commiss- ioning Schedule	Remarks
4					
5	K(E)-K(W) Interconnection	18		2007-08	
6	Kumhari(PGCIL)-Mandirhasod	40		2007-08	
8	Bhatapara 400kV(PGCIL)S/S-Bhatapara S/S	5		2007-08	
9	LILO of K(E)-Bhatapara at Bhatapara 400kV(PGCIL)S/S D/C	8		2007-08	
10	Raigarh 400kV(PGCIL)S/S-Raigarh 220kV S/S	28		2007-08	
11	LILO of K(E)-Budipadar 2 nd ckt at Raigarh 400kV(PGCIL)S/SD/C	15		2007-08	
12	220kV DCDS Suhela-PGCIL	30		2007-08	
13	220kV Bhatapara-Kumhari LILO at PGCIL	12		2007-08	
14	Budhipadar-Korba ckt-2 LILO at PGCIL Raigarh	24		Jun'07	
15	220kV Raigarh-Ms Jindal Power Ltd	104		2008-09	
16	220kV D/C of existing Bhatapara-Suhela	30		2008-09	
D)	महाराष्ट्र Maharashtra				
	I) 400kV Lines				
1	Dabhol-Nagothane ckt-II	134.445	338	Mar, 09	Work in progress
2	LILO of Bhusawal-Koradi Ckt-I at Akola S/S	80	101	2007-08	Work in progress
	II) 220kV Lines				
1	Power evacuation from Khaparkhedha & row Kanhan	10	47	2007-08	Commissioned on 25.05.07
2	LILO B'shwer Aurangabad for Bhenda S/S	37.095	117	2008-09	Tower material required
3	Evacuation of power from Parli ext.project	5.112	20	2008-09	
4	LILO of Nasik-Kalwa for Ghatghar S/S	99	84	2008-09	
5	Padegaon-Sawangi D/C	29.436	52	31.03.07	Line being commissioned soon
7	LILO on Malharpeth-Wankuswade for SataraMIDC	60	98	31.03.07	
8	Interconaction between Kolhapur-II-Kolhapur-III S/S	18.4	36	Sep' 09	ROW problem, Resurvey work under progress
9	LILO on Apta -Chinchwad for URSE S/S	22	37	2008-09	Work order placed
10	Kanhan-Umred S/C on D/C at Umred	50.106	164	2008-09	Foundation, Erection etc. in progress
11	LILO of Dhule-Dondaicha at Amalner D/C	80		2008-09	
12	Boisar(PGCIL 400/220kV)-Wada	55		2008-09	
13	Kolhapur—III-Mundhaltitta	40		2008-09	
14	LILO of Jejuri-Pandharpur at Temburni D/C	6		2008-09	
15	Kanhan-Umred S/C on D/C line	50.1	158	2008-09	Foundation Erection etc. in progress
16	Dhule-Dondaicha D/C at Amalner S/S	44	98	2008-09	Complete stringing material required

	Name of transmission line	<u>Length in</u> <u>Ckt. Km</u>	Total Locations(Nos)	Commiss- ioning Schedule	Remarks
17	LILo of Tarapur-Borivali for Boisar-II S/S	8	15	Sep' 09	Bloc date extended due to ROW problem
18	220kV line from PGCIL to 220kV Wada S/S	57	199	Dec' 09	Severe ROW problem, 220kV PGCIL .Nalasopara section charged temporarily on 26.01.08 through Boisar S/S
E)	गोवा GOA				
	Xeldem-Cuncolin D/C	20		2008-09	
Sl.No	पावरग्रिड POWERGRID				
	765 kV				
1	Seoni-Bina(to be initially charged at 400kV)	292		Sep'09	
	400kV Lines				
A)	Sipat Trans system stage- II	702	1244	2008-09	
4	400 Kv Akola – Aurangaba D/C			April'09	
B)	Western Region System Strengthening-I			2008-09	
C)	Sipat-II Suplimentary Trans system	1173	-	2008-09	
1	D/C Wardha-Akola	368		Feb'09	
2	D/C Akola-Aurangabad	530		Mar'09	
3	Korba(NTPC)-Birsingpur(MPGENCO) D/C	454		July'10	
4	Birsingpur(MPGENCO)-Damoh(PGCIL)	508		July'10	
5	Birsingpur-Damoh-Bhopal				
	220 kV Line				

2. माह मई 2009 मे विद्युत आपूर्ति की स्थिति POWER SUPPLY POSITION DURING THE MONTH OF MAY 2009

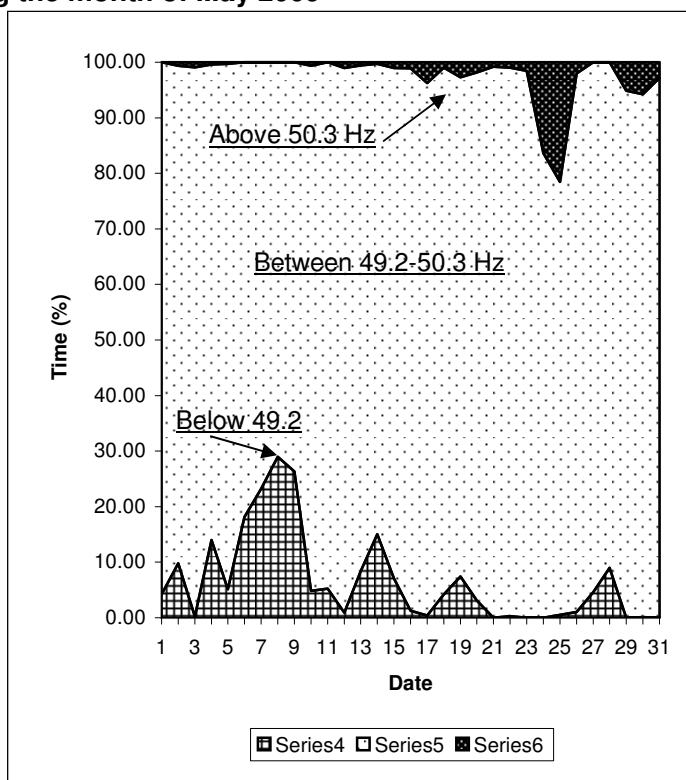
- Western Regional Grid registered maximum demand during May 2009 was 30273 MW, which was 3.41 % more than the registered demand of 29274 MW met during the same month last year. The unrestricted demand during the month was 35728 MW as compared to 36609 MW during the last year. The decrease in unrestricted demand is of the order of 2.41 %. The capacity shortage in the region was 5455 MW. Capacity shortage in Gujarat system was 222 MW, in Madhya Pradesh 1002 MW, in Chhattisgarh 81 MW, in Maharashtra 3923 MW, in Goa 43 MW, in DD 25 MW and it was 45 MW in DNH.
- The unrestricted energy requirement for the region was 22568 MUs for the month of May 2009, as against the availability of 20000 MUs resulting in the energy shortfall of 2569 MUs during the month. The energy availability per day during the month was 645.15 MUs. The net export by Western Region to the neighboring regions during the month was 578.02.15 MUs.
- Frequency profile:- Frequency remained between 49.2 to 50.3 Hz for 91.21% of the time during May 2009 and remained below 49.2 Hz for 6.45%.
- Maximum and minimum voltages recorded at 400 / 765 kV S/S during the month of May 2009.

Name of 400 kV / 765 kV Substation	Voltages recorded	
	Maximum	Minimum
400 kV Indore	420	390
400 kV Itarsi	428	399
400 kV Karad	426	385
400 kV Dhule	436	400
400 kV Asoj	426	401
400 kV Kasor	422	407
400 kV Bhilai	419	393
400 kV Jetpur	421	390
400 kV Bina	427	394
400 kV Gwalior	427	381
400 kV Nagda	428	399
765 kV Sipat	763	734
765 kV Seoni	781	729

मई 2009 माह के दौरान आवृत्ति रेजीम

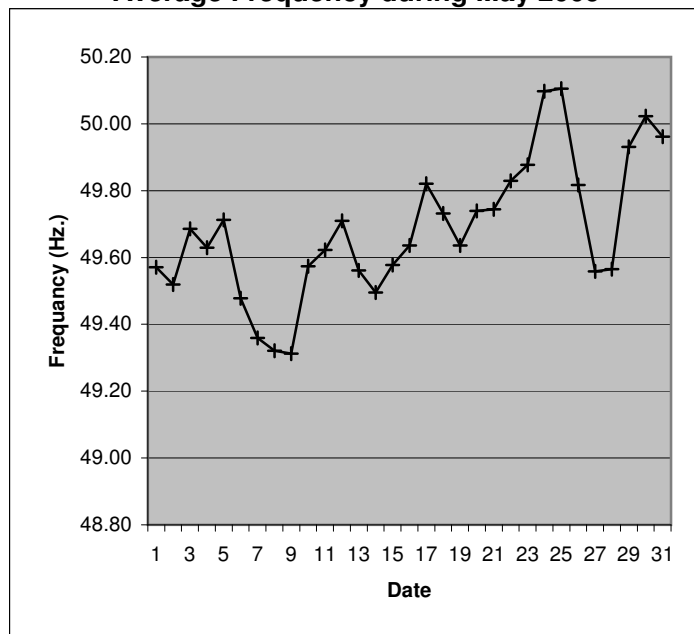
Frequency Regime during the month of May 2009

Date	Time (%)			Average Frequency (Hz)
	Below 49.2	Between 49.2-50.3	Above 50.3	
1	4.23	95.77	0.00	49.57
2	9.78	89.60	0.62	49.52
3	0.21	98.89	0.90	49.69
4	14.01	85.57	0.42	49.63
5	5.14	94.58	0.28	49.71
6	18.17	81.83	0.00	49.48
7	23.23	76.77	0.00	49.36
8	28.98	71.02	0.00	49.32
9	26.35	73.65	0.00	49.31
10	4.86	94.52	0.62	49.57
11	5.27	94.73	0.00	49.62
12	0.90	98.06	1.04	49.71
13	8.38	91.07	0.55	49.56
14	15.05	84.67	0.28	49.50
15	7.08	91.88	1.04	49.58
16	1.25	97.64	1.11	49.64
17	0.42	95.84	3.74	49.82
18	4.23	94.80	0.97	49.73
19	7.42	89.88	2.70	49.64
20	3.13	95.00	1.87	49.74
21	0.00	99.17	0.83	49.74
22	0.28	98.75	0.97	49.83
23	0.00	98.47	1.53	49.88
24	0.00	83.63	16.37	50.10
25	0.49	77.94	21.57	50.11
26	1.04	96.95	2.01	49.82
27	4.58	95.42	0.00	49.56
28	9.01	90.99	0.00	49.57
29	0.00	94.87	5.13	49.93
30	0.14	94.10	5.76	50.02
31	0.00	97.16	2.84	49.96



मई 2009 माह के दौरान औसत आवृत्ति

Average Frequency during May 2009



3. दिनांक 31 | 05 | 2009 को राज्यानुसार संस्थापित क्षमता

INSTALLED GENERATION CAPACITY OF THE STATES INCLUDING SHARES AS ON 31.05.2009

(All fig. in MW)

State	Ownership	Hydro	Coal	Gas	Nuclear	Total	Diesel	RES	Total
Gujarat	State	772.00	4115.00	518.72	0.00	5405.72	17.28	24.30	5447.30
	Private	0.00	640.00	2195.00	0.00	2835.00	0.20	1373.20	4208.40
	Central(firm allo)	0.00	1368.00	424.00	559.00	2351.00	0.00	0.00	2351.00
	Total	772.00	6123.00	3137.72	559.00	10591.72	17.48	1397.50	12006.70
Madhya Pradesh	State	1703.67	2807.50	0.00	0.00	4511.17	0.00	71.76	4582.93
	Private	0.00	0.00	0.00	0.00	0.00	0.00	190.95	190.95
	Central(firm allo)	1520.00	1401.00	257.00	273.00	3451.00	0.00	0.00	3451.00
	Total	3223.67	4208.50	257.00	273.00	7962.17	0.00	262.71	8224.88
Chhattisgarh	State	120.00	2030.00	0.00	0.00	2150.00	0.00	18.05	2168.05
	Private	0.00	1000.00	0.00	0.00	1000.00	0.00	156.10	1156.10
	Central(firm allo)	0.00	473.00	0.00	48.00	521.00	0.00	0.00	521.00
	Total	120.00	3503.00	0.00	48.00	3671.00	0.00	174.15	3845.15
Maharashtra	State	2888.83	6800.00	912.00	0.00	10600.83	0.00	216.71	10817.54
	Private	444.00	1900.00	180.00	0.00	2524.00	0.00	1942.50	4466.50
	Central(firm allo)	0.00	1855.00	2624.00	690.00	5169.00	0.00	0.00	5169.00
	Total	3332.83	10555.00	3716.00	690.00	18293.83	0.00	2159.21	20453.04
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	277.00	0.00	26.00	303.00	0.00	0.00	303.00
	Total	0.00	277.00	48.00	26.00	351.00	0.00	30.05	381.05
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	17.00	4.00	7.00	28.00	0.00	0.00	28.00
	Total	0.00	17.00	4.00	7.00	28.00	0.00	0.00	28.00
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	19.00	27.00	9.00	55.00	0.00	0.00	55.00
	Total	0.00	19.00	27.00	9.00	55.00	0.00	0.00	55.00
WR	State	5484.50	15752.50	1430.72	0.00	22667.72	17.28	330.87	23015.87
	Private	444.00	3540.00	2423.00	0.00	6407.00	0.20	3692.75	10099.95
	Central(firm allo)	1520.00	5410.00	3336.00	1612.00	11878.00	0.00	0.00	11878.00
	Unallocated	0.00	950.00	197.59	228.00	1375.59	0.00	0.00	1375.59
	Total	7448.50	25652.50	7387.31	1840.00	42328.31	17.48	4023.62	46369.41

RES - includes Small Hydro Project, Biomass Gasifier, Biomass Power, Urban & Industrial Waste Power

4. मई 2009 माह के दौरान पश्चिम क्षेत्रीय ग्रिड की प्रमुख विशेषताएं

SALIENT FEATURES OF WESTERN REGIONAL GRID FOR THE MONTH OF MAY 2009

4.1 Installed Capacity of Western Region

स्थापित क्षमता (मेगावाट) INSTALLED CAPACITY (MW)	राज्य क्षेत्र STATE SECTOR	निजी क्षेत्र PRIVATE SECTOR	केन्द्रीय (आबंटित) CENTRAL (Firm Allocated)	केन्द्रीय (अनाबंटित) CENTRAL (Unallocated)	पश्चिम क्षेत्र W.REGION
May-08 मई 2008	22723.89	7959.25	11453.00	1300.59	43436.73
May-09 मई 2009	23015.87	10099.95	11878.00	1375.59	46369.41
% increase % वृद्धि	1.28	26.90	3.71	5.77	6.75

4.2 Energy requirement

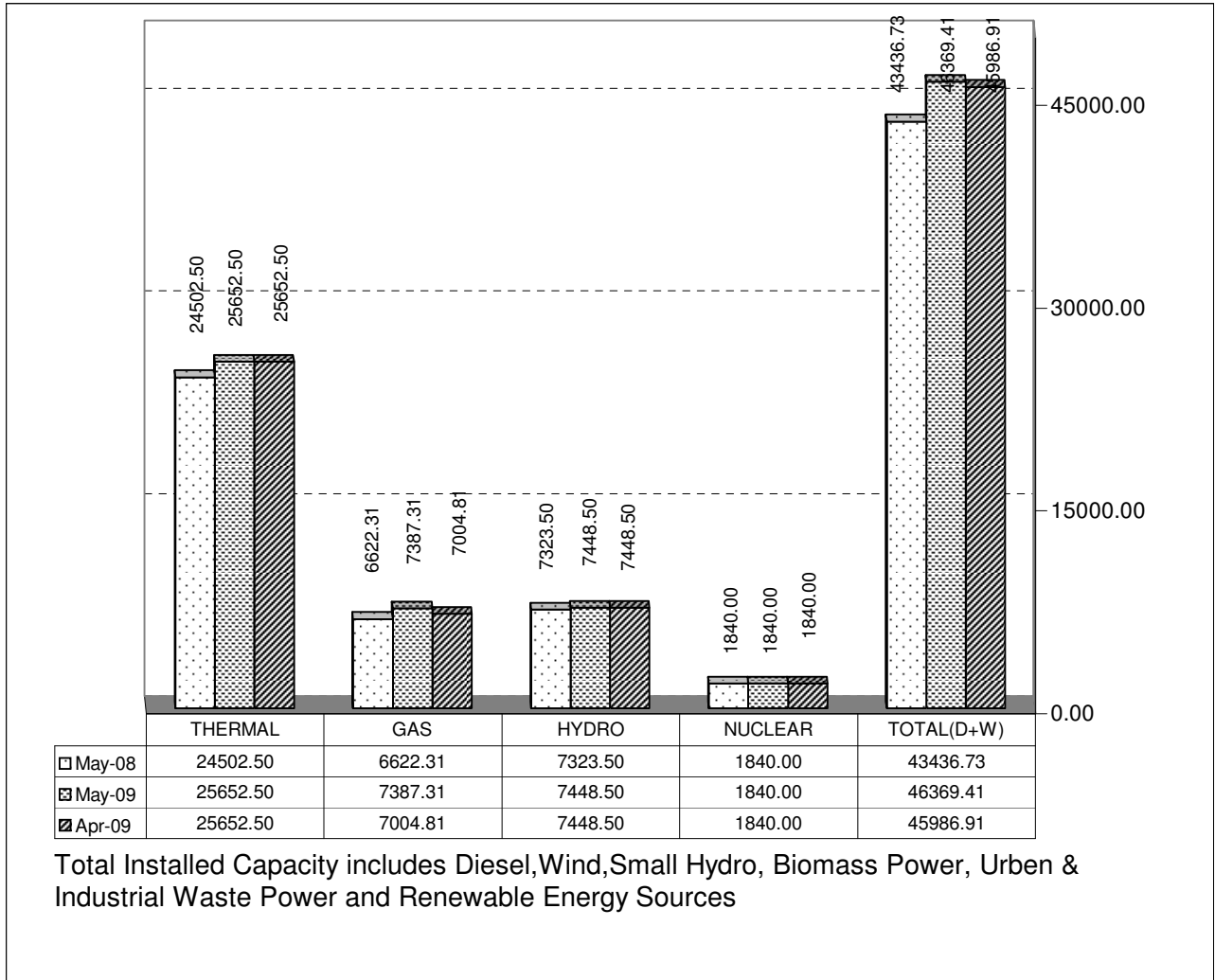
सकल उर्जा ENERGY (Gross)	गुजरात Gujarat	मध्य प्रदेश Madhya Pradesh	छत्तीसगढ़ Chhattisgarh	महाराष्ट्र Maharashtra	गोवा Goa	दमन दीव D & D	दा न ह D & NH	पावर ग्रिड PGCIL (HVDC)	पश्चिम क्षेत्र WESTERN REGION
Unrestricted requirement (MUs)									
अबधित आवश्यकता (मे.यू.)									
May-08 मई 2008	6530.31	3350.11	1418.26	10577.32	250.94	159.68	313.70	1.09	22601.41
May-09 मई 2009	6001.06	3442.37	1187.90	11180.45	265.90	161.73	327.63	1.11	22568.14
Total Energy Availability (MUs)									
कुल उर्जा आवश्यकता (मे.यू.)									
May-08 मई 2008	5527.37	2851.79	1390.70	9013.87	250.24	141.08	309.23	1.09	19485.38
May-09 मई 2009	5964.41	2860.91	1168.43	9320.71	262.03	143.13	278.86	1.11	19999.59
Energy shortage(-)/surplus (+), in (Gwh) & %									
उर्जा में कमी(-)/अधिशेष(+),(मे. यू.) एवं % में									
May-08 मई 2008	-1002.94	-498.32	-27.56	-1563.45	-0.70	-18.60	-4.47	0.00	-3116.04
% में In %	-15.36	-14.87	-1.94	-14.78	-0.28	-11.65	-1.42	0.00	-13.79
May-09 मई 2009	-36.66	-581.46	-19.46	-1859.74	-3.87	-18.60	-48.77	0.00	-2568.56
% में In %	-0.61	-16.89	-1.64	-16.63	-1.45	-11.50	-14.88	0.00	-11.38

4.3 Peak Demand

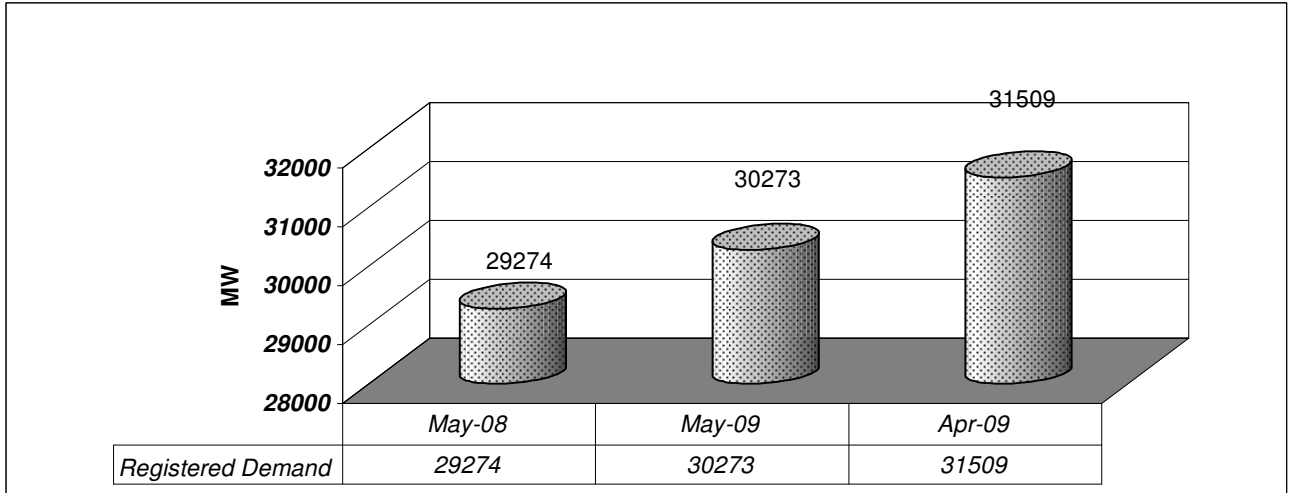
मांग DEMAND	गुजरात Gujarat	मध्य प्रदेश Madhya Pradesh	छत्तीसगढ़ Chhattisgarh	महाराष्ट्र Maharashtra	गोवा GOA	दमन दीव D & D	दा न ह D & NH	पश्चिम क्षेत्र WESTERN REGION
अबधित मांग (मे.वा.)								
Unrestricted demand (MW)								
May-08 मई 2008	11345	5665	2331	17309	460	223	419	36609
May-09 मई 2009	8954	6076	2854	17934	443	245	452	35728
बधित मांग (मे.वा.)								
Registered demand (MW)								
May-08 मई 2008	8535	4937	2235	13868	413	198	419	29274
May-09 मई 2009	8732	5074	2773	14011	400	220	407	30273
Capacity shortage(-)/surplus (+), in (MW) & %								
क्षमता में कमी (-)/अधिशेष (+),(मे. वा.) एवं % में								
May-08 मई 2008	-2810	-728	-96	-3441	-47	-25	0	-7335
% में In %	-24.77	-12.85	-4.12	-19.88	-10.22	-11.21	0.00	-20.04
May-09 मई 2009	-222	-1002	-81	-3923	-43	-25	-45	-5455
% में In %	-2.48	-16.49	-2.84	-21.88	-9.71	-10.22	-9.96	-15.27

मेगावाट में स्थापित क्षमता

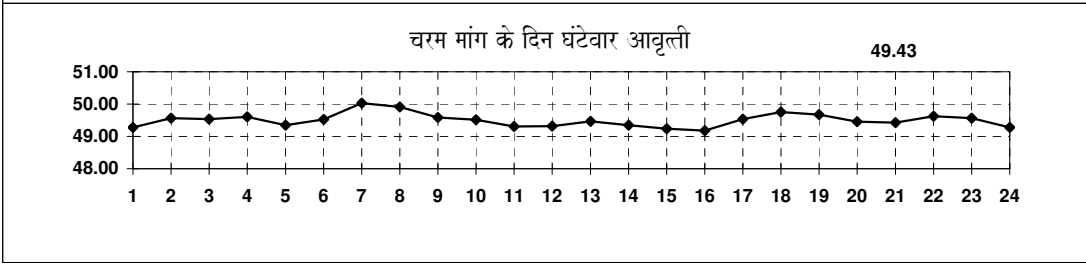
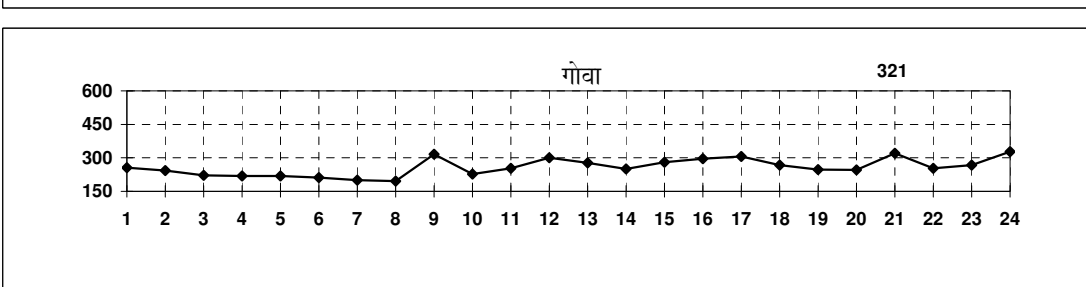
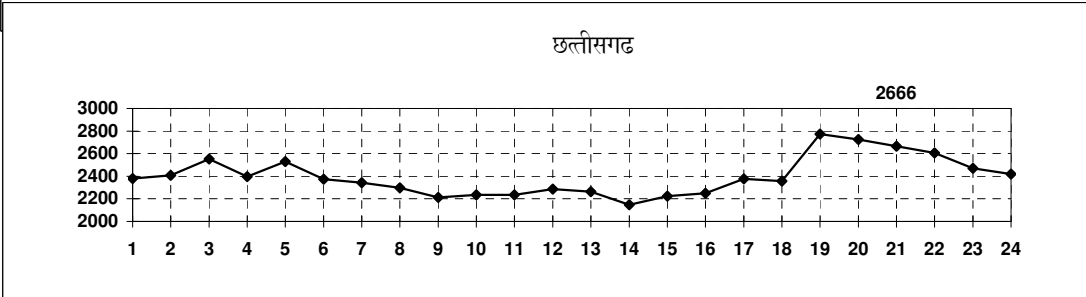
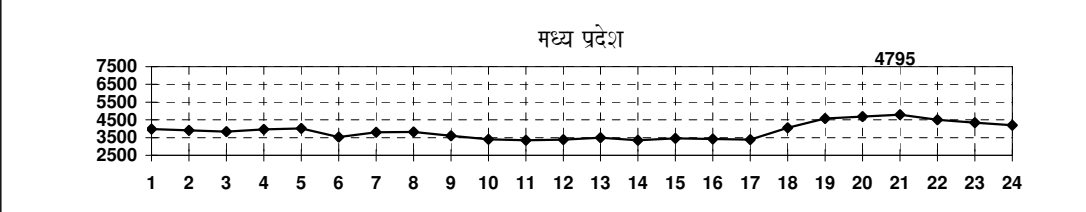
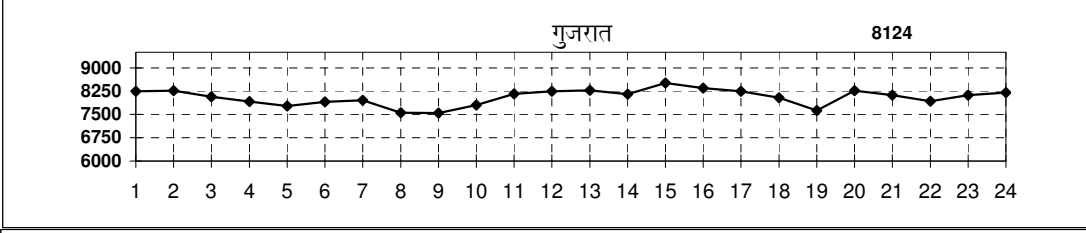
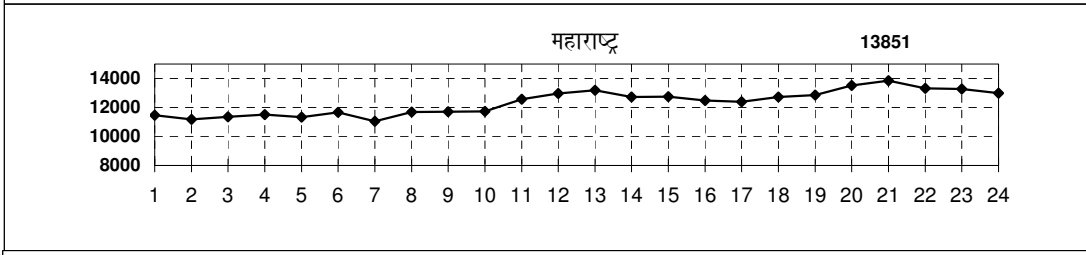
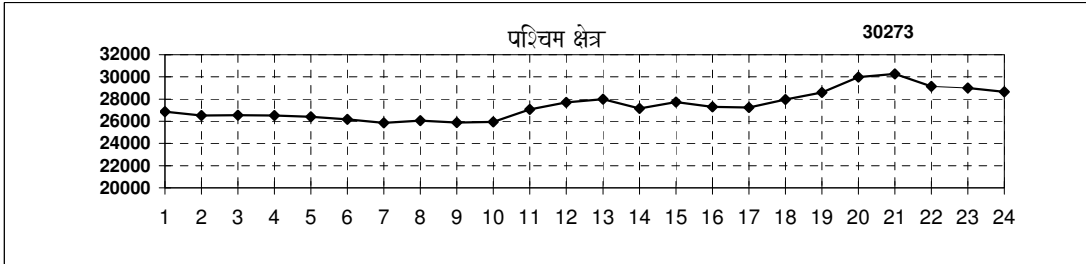
Installed Capacity in MW



Registered Demand in MW



पश्चिम क्षेत्र चरम भार दिन के प्रतिघंटा भार वक
 HOURLY DEMAND CURVES ON REGIONAL PEAK DAY 02.05.09

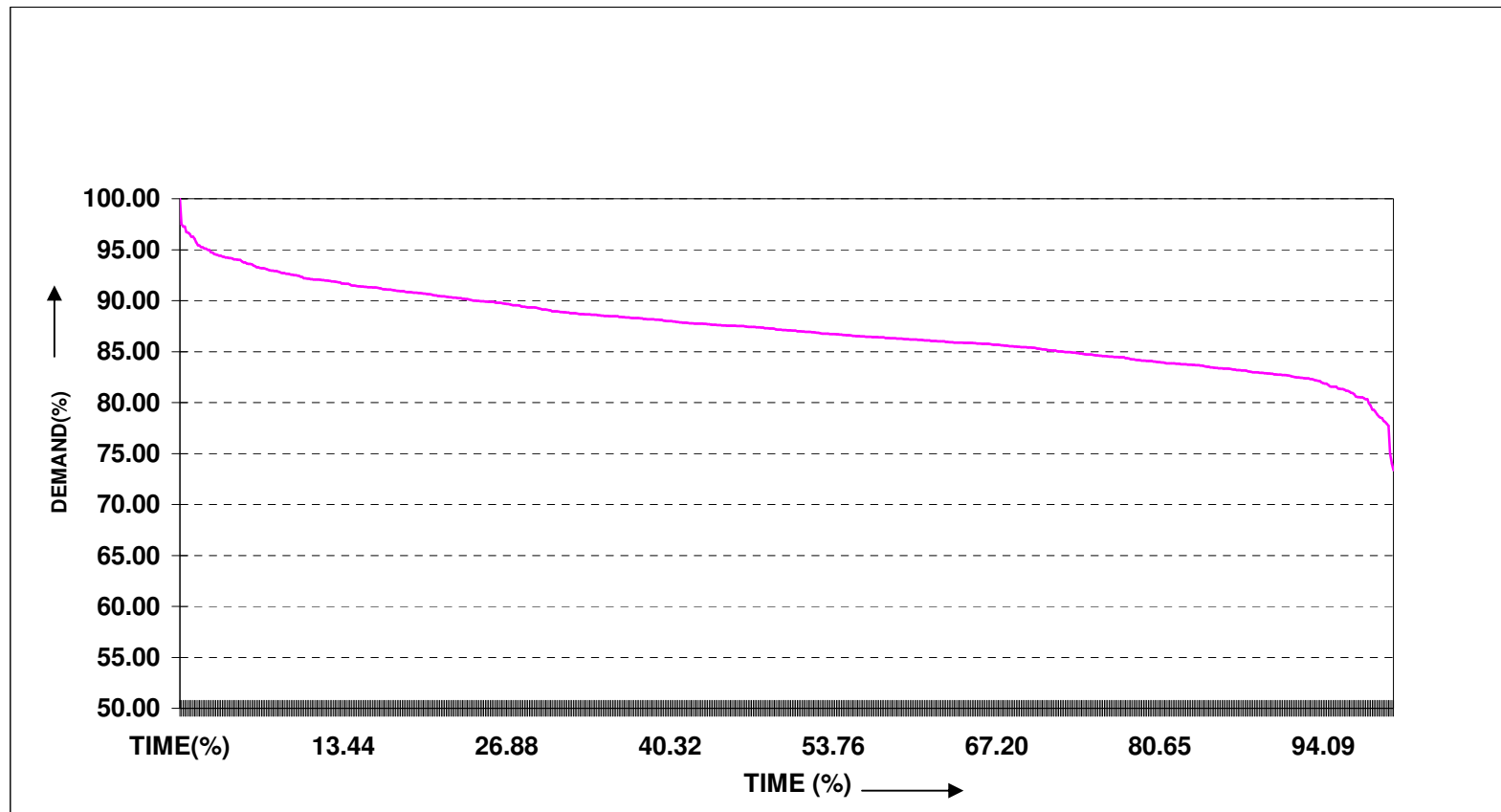


माह मई 2009 का क्षेत्रीय भार वक्र

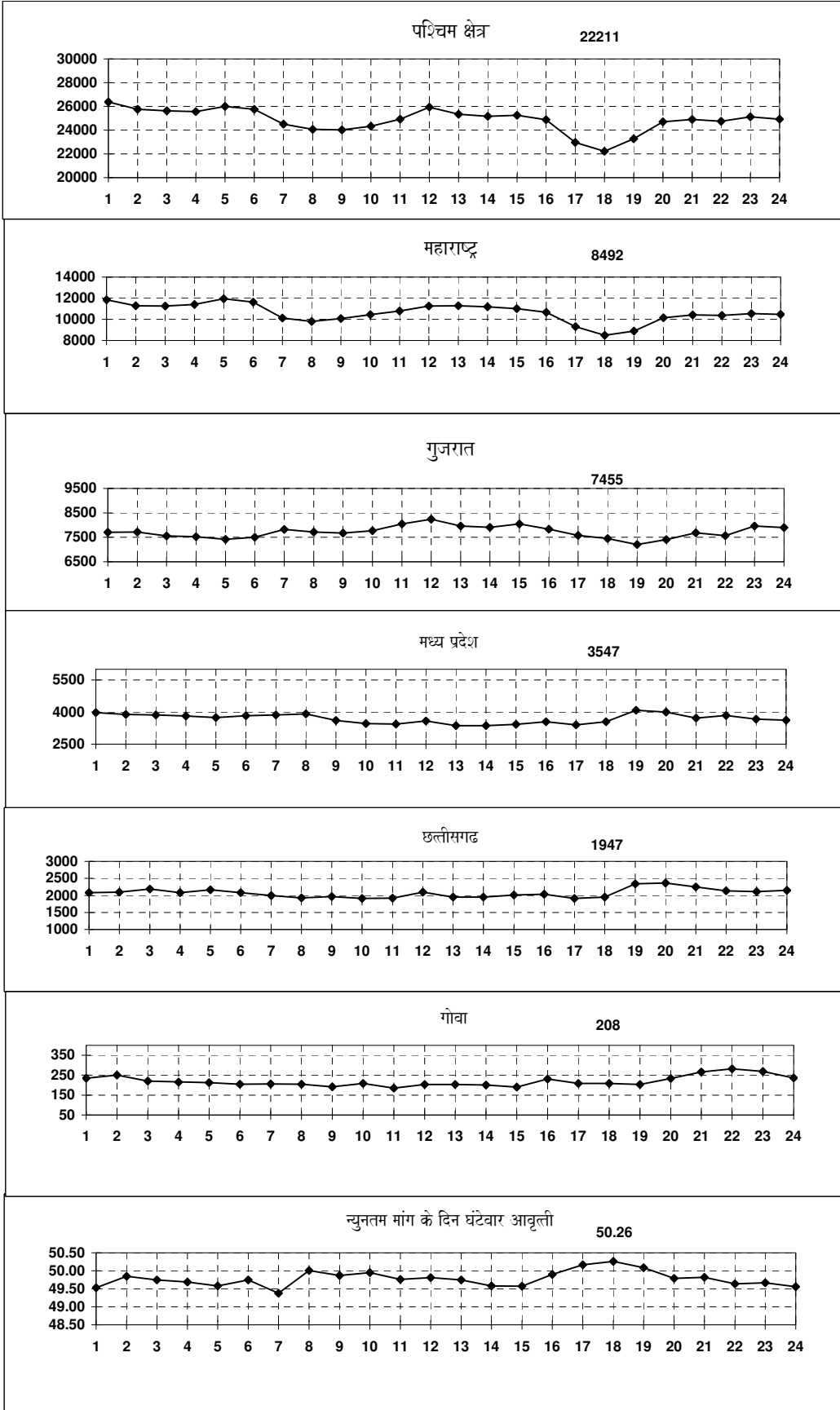
Monthly Load Duration curve for the month of May 2009

Maximum Demand = 30273 MW

Minimum Demand = 22211 MW



पश्चिम क्षेत्र न्यूनतम भार दिन के प्रतिघंटा भार वक्र
 HOURLY DEMAND CURVES ON MINIMUM LOAD DAY 17.05.09



पश्चिम क्षेत्र चरम भार दिन के प्रतिघंटा उत्पादन
 HOURLY GENERATION OF WESTERN REGION ON PEAK DAY 02.05.09

