



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

System Operation Report

Of Western Region

For the month of

June 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 June 09 में पश्चिम क्षेत्र का निष्पादन डाटा

Performance of Western Regional Grid during June -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	1191.41	1112.56	-78.85	2.631	0.000
2.	मध्य प्रदेश Madhya Pradesh	1132.90	1195.46	62.56	2.146	0.000
3.	महाराष्ट्र Maharashtra	2225.73	2200.24	-25.50	1.577	0.000
4.	छत्तिसगढ़ Chhattisgarh	-18.32	-108.08	-89.76	2.895	0.000
5.	गोवा Goa	168.65	168.66	0.01	0.889	0.000
6.	दमन और दीव D&D	119.83	132.73	12.90	0.538	0.000
7.	दादर नगर हवेली DNH	265.82	251.21	-14.61	0.416	0.000
8.	पावरग्रिड एचवीडीसी PG(HVDC)	0.904	2.004	1.100		
9	कुल TOTAL	5086.02	4952.78			

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

LINES	Import (Mus)
ER(NTPC) to GUVNL	42.238
ER(NTPC) to MPPTCL	46.148
ER(NTPC) to CSEB	8.986
ER(NTPC) to MSETCL	107.651
ER(NTPC) to GOA	1.058
ER(NTPC) to DD- AC link	5.988
ER(NTPC) to DNH- AC link	10.380
AP-NER to RINFRA MSEB (AP-NER)	0.443
TRIPURA to MSEB (NVVNL)	6.953
RANASUGAR (NR) to TPC MSEB (INSTINCT)	5.424
RANASUGAR (NR) to TPC MSEB(INSTINCT)	0.207
RSWM TO MSEB (TPTCL)	0.439
DVC to MPPTCL (Long Term Open Access)	12.699
Hirakud to CSEB	1.276
SIKKIM to RINFRA MSEB(AEL)	48.538
AP-NER to REL MSEB(AP-NER)	2.887
AP-NER TO MPSEB (MPSEB)	0.964
GFL TO TPC MSEB (LANCO)	3.527
WBSEB TO RINFRA MSEB (NVVNL)	1.069
JSWEL TO MSEB (JSW PTL)	41.942
JSWEL TO REL MSEB (JSW PTL)	5.083
JSWEL TO RINFRA MSEB (JSW PTL)	8.725
GEL TO TPC MSEB (GMRETL)	4.977
AMBUJA CEMENT (PSEB) TO REL MSEB (A C)	5.652
GEL TO TPC MSEB - GMRETL	4.977
GOA (SR) TO GOA (WHEELING)	0.815
From GOA (SR) to GOA (WHEELING)	6.924
From GOA (SR) to GOA (BILATERAL)	12.014
From AMBUJA CEMENT (PSEB) to TPC MSEB (TPC MSEB)	0.168

From JK to CSEB (NVVNL)	42.802
From RIHAND HYDRO to MPPTCL (LTOA)	3.552
From TATA HALDIA to MSEB(TPTCL)	8.900
net import from NR	31.464
net import from SR	124.258
net import from ER	70.726

Lines	Export(Mus)
MIEL CSEB TO ASEB (TPTCL)	0.357
MIELMH CSEB TO ASEB (TPTCL)	0.163
NSAIL MPSEB TO ASEB (TPTCL)	0.171
SALS GUVNL TO ASEB (TPTCL)	0.150
AFAL CSEB TO CESC (LANCO)	0.081
BALCO CSEB TO CESC (LANCO)	3.831
BPIL CSEB TO CESC (LANCO)	0.081
CSEB TO CESC (NVVNL)	3.590
CSEB TO CESC (PTC)	5.922
GPIL CSEB TO CESC (LANCO)	0.720
HFAL CSEB TO CESC (LANCO)	0.243
IIPL MSEB TO CESC (LANCO)	0.250
IEEL CSEB TO CESC (LANCO)	0.089
GUVNL TO UPCL (AEL)	3.075
PCBL GUVNL TO UPCL (TPTCL)	0.150
GUVNL TO UPCL (AEL)	7.583
JPL TO CESC (LANCO)	1.504
JPL TO CESC (RPTCL)	4.512
JPL TO CESC (RPGPTCL)	5.928
MIEL CSEB TO CESC (LANCO)	1.623
MIELMH CSEB TO CESC (LANCO)	0.097

MIEL CSEB TO LAEDCL (ASEB) (TPTCL)	1.562
MIELMH CSEB TO LAEDCL (ASEB) (TPTCL)	0.359
NSAIL MPSEB TO LAEDCL (ASEB) (TPTCL)	0.252
SALS GUVNL TO LAEDCL (ASEB) (TPTCL)	0.323
IIPL MSEB TO BSES RAJ (RETL)	9.121
TALCHER II- ER TO S REGION (WHEELING)	5.248
CSEB TO VAL ER (PTC)	14.631
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	8.110
SALS GUVNL TO WBSEB- TPTCL	13.025
VIL CSEB TO WBSEB TPTCL	3.089
CSEB TO HARIYANA (PTC)	109.605
TPC MSEB TO HARYANA- TPTCL	0.192
CSEB TO JVVNL - PTC	0.317
MCPL MPSEB TO NPCL (AEL)	5.228
CSEB TO JAIPUR DISCOM - PTC	0.564
PCBL GUVNL TO NPCL (TPTCL)	0.395
JAYPEE MP TO JP CEMENT (UP)-JAIPRAKASH MPSEB	0.302
VARDHMAN MPSEB TO NPCL (TPTCL)	2.077
WELSPUN GUVNL TO NPCL (TPTCL)	2.518
JPL TO NDPL – DTL (NVVNL)	30.410
JPL TO NDPL(DTL) (NDPL (DTL))	0.159
MPSEB TO NDPL –DTL (LANCO)	7.172
APL TO PSEB (AEL)	19.740
JPL TO PSEB (LANCO)	85.094

MPSEB TO PSEB - LANCO	8.281
MSEB TO PSEB - NVVNL	38.971
MIEL CSEB TO PSEB - LANCO	3.438
MIELMH CSEB TO PSEB - LANCO	1.719
REALISPAT CSEB TO APPCC- LANCO	0.305
RREL CSEB TO APPCC- LANCO	0.280
RSIPIL CSEB TO APPCC - LANCO	0.032
BALCO CSEB TO APPCC - LANCO	4.085
BPIL CSEB TO APPCC - LANCO	0.016
CSEB TO APPCC - NVVNL	0.846
CSEB TO APPCC - PTC	1.128
CSPL CSEB TO APPCC - LANCO	0.128
CIAL CSEB TO APPCC - LANCO	0.542
GPIL CSEB TO APPCC - LANCO	0.392
HFAL CSEB TO APPCC - LANCO	0.137
IEEL CSEB TO APPCC - LANCO	0.036
SKSIP CSEB TO APPCC - TPTCL	0.243
SEML CSEB TO APPCC - GMRETL	0.234
MIELMH CSEB TO APPCC - LANCO	0.626
MIELMH CSEB TO APPCC - GMRETL	0.036
MSPPL CSEB TO APPCC - LANCO	0.092
MSPPL CSEB TO APPCC - GMRETL	0.023
MIEL CSEB TO APPCC - LANCO	1.957
MIEL CSEB TO APPCC- GMRETL	0.027
SNIL CSEB TO APPCC - LANCO	0.058
VGL CSEB TO APPCC - LANCO	0.478
VIL CSEB TO APPCC - GMRETL	0.027
VIL CSEB TO APPCC - LANCO	0.133
ACC (KYMORE) MPSEB TO KSEB (TPTCL)	0.161

BALCO CSEB TO KSEB - LANCO	0.396
CSEB TO KSEB - PTC	1.969
JPL TO KSEB - JPL	13.536
JPAL CSEB TO KSEB - LANCO	0.218
SKSIP CSEB TO KSEB - LANCO	0.162
VGL CSEB TO KSEB - LANCO	0.324
TALCHER II- ER TO S REGION (WHEELING)	4.637
CSEB TO TNEB - PTC	1.128
JPAL CSEB TO APPCC - LANCO	0.099
Net export to SR	32.173
Net export to NR	473.045
Net export to ER	160.016

आवृत्ति रूपरेखा
Frequency Profile

a.	अधिकतम आवृत्ती एकिकृत	Maximum frequency(Inst)	:	50.59 Hz
	न्यूनतम आवृत्ती एकिकृत	Minimum frequency(Inst)	:	48.69 Hz
	औसत आवृत्ती	Average frequency	:	49.51 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
%	0.30	18.89	29.77	28.86	21.66	0.52	0

Power Supply Position and Peak Demand / Met In Western Region

a. विद्युत पूर्ति की स्थिति Power Supply Position

	June-09			Apr -09to June-09		
	Requirement (MUs)	Availability (MUs)	Shortage (%)	Requirement (MUs)	Availability (MUs)	Shortage (%)
Gujarat	5724	5674	0.87	17608	17257	1.99
CSEB	1067	1038	2.72	3400	3311	2.61
MPSEB	3425	2632	23.15	10327	8344	19.20
Maharashtra	10717	8856	17.36	33385	27135	18.72
Goa	248	240	3.22	790	767	2.91
D&D	148	144	2.70	429	417	2.79
DNH	306	298	2.61	861	839	2.55
Western Region	21635	18882	12.72	66766	58071	13.02

b. Peak Demand / Demand Met(MW)

	June-09			Apr -09 to June-09		
	Requirement (MW)	Availability (MW)	Shortage (%)	Requirement (MW)	Availability (MW)	Shortage (%)
Gujarat	9098	8739	3.94	9461	8967	5.22
CSEB	2644	2558	3.25	2996	2880	3.87
MPSEB	5936	4668	21.36	6740	5468	18.87
Maharashtra	17586	13931	20.78	19151	14801	22.73
Goa	420	377	10.24	455	400	12.09
D&D	245	220	10.20	280	255	8.93
DNH	488	451	7.58	485	441	9.07
Western **Region	34839	29370	15.70	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	
9	LILO of Nanikhakhar-Shivlakha at Varsana S/S	20		2008-09	
10	LILO on both ends of Anjar-Panadhro at Kukma S/S	20		2008-09	
11	LILO of 2 nd ckt.of Ukai(T)-Vav at Mota S/S	9.6	16	2008-09	
12	220kV D/C Adasar-Bala	20		2008-09	
13	220kV D/C Vadavi(Ranchhodpur)-Mitha(Jotana)	116		2008-09	
14	HL stringing of 2 nd ckt.of Morbi-Chitrod	63		2008-09	
15	220kV D/C Chorania-Bala	59.12		Dec' 08	Work is suspended due to ROW
16	220kV D/C Bala-Raipur	0.58	18	2008-09	
17	220kV D/C Raipur-Dudhrej	19.16	43	Dec' 08	Work is suspended due to ROW
18	220kV LILO at Lakhani S/S from both ckt of Kansari-Tharad	8		2008-09	
19	220kV LILO Mota(Bardoli)S/S from 2 nd ckt of Ukai(T)-Vav	9.60	16	Sep' 08	
20	220kV LILO Botad S/S from Kasor-Vartej line	90			Tender for preparation of profile work opened
21	220kV LILO at Chitrod from Deodar-Anjar				
22	220kV LILO at Kukma S/S from one ckt of Shivlakha-Nanikhakhar	34			Route approved. Submission of profile under progress
B)	मध्य प्रदेश Madhya Pradesh				
	I) 400kV Lines				
	II) 220kV Lines				
1	Bina-Shivpuri	2x170	543	2008-09	Work under progress
2	Shivpuri-Sabalgarh DCDS	210	370	2008-09	
3	Bina-Guna ckt-II	131.2	-	2008-09	Work completed
4	Omkareswar-Sanawad D/C	2x23.05	80	2008-09	

	Name of transmission line	Length in Ckt. Km	Total Locations(Nos)	Commissioning Schedule	Remarks
5	LILO of Damoh-Bijawar D/C	2x15.5	55	2008-09	
5	Betul-Gudgaun	61.4	155	2008-09	
7	Tikamgarh-Jatara	37	123	2008-09	
8	Mahgaon-Porss-Ambah	56	175	2008-09	
9	Malanpur-Morar	30	105	2008-09	
10	Khilchipur –Jeerapur	22.557	76	2008-09	
11	Meghnagar-Jhabua-Raigarh	54	224	2008-09	
12	Guna-Raghogarh for Bhonre D/C	2x25	88	2008-09	
13	Bansagar IV-Amarpatni	67.5	227	2008-09	
14	LILO of Nagda-Ratlam for Khachrod	2x0.278	4	2008-09	
15	D/C LILO of both circuits of Bhopal-Itarsi at Itarsi	4		2008-09	
16	LILO of Birsingpur-Rewa at Amarkantak	42		2008-09	
17	LILO of Birsingpur-Rewa for Sidhi	92		2008-09	
18	Seoni 400 kV(PG)-Seoni (MP)-D/C	20		2008-09	
19	D/C Amarkantak-Jabalpur	470		2008-09	
20	Seoni 400 kV S/S(PG)-Seoni 220 kV S/S-D/C	6		2008-09	
21	Interconnector(400kV PGCIL-220kV Seoni S/S)	8.4	19	2008-09	
22	LILO of 1 st ckt of 220kV DCDS Gwalior-Malanpur	16.9	32	2008-09	
23	LILO of 1 st Ckt. Of 220 kV Indore-Dewas for 200 kV Indore S/S	0.39	2	2008-09	
24	Second ckt.of Pithampura-Raigarh	68.7		2008-09	
25	LILO of one ckt. Damoh-Bina for 400kV Damoh	4	6	2008-09	
26	LILO of Damoh-Tikamgarh for 400kV Damoh	4	6	2008-09	
27	LILO of Birsingpur-Satna one ckt at ATPS	87.4	147	2008-09	
28	LILO of both ckt of 220kV Burwaha-Neapanagar-2 nos DCDC for Omkareshwer FEP	120	97	2007-08	
29	Satna-Chhatarpur	140	492	2008-09	
30	Extension of 400kV Birsingpur-Katni-Damoh for PGCL Damoh	26.036	37	2008-09	
31	Diversion of 400kV Birsingpur-Katni-Damoh at Katni	4	5	2008-09	
32	Intconnector at 400kV Birsingpur-Katni-Damoh at Birsingpur	1.2	2	2008-09	
33	220kV Chhindwara-400kV PGCIL Seoni D/C	140	258	2008-09	Work in progress
34	LILO of one ckt 220kV Jabalpur-Itarsi at Piparia S/S	7.20	13	2008-09	Work in progress
35	LILO of second ckt 220kV Jabalpur-Itarsi at Narsingpur				Work in progress
36	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	
7	Bhatapara 400kV(PGCIL)S/S-Bhatapara S/S	5		2007-08	
8	LILO of K(E)-Bhatapara at Bhatapara 400kV(PGCIL)S/S D/C	8		2007-08	
9	Raigarh 400kV(PGCIL)S/S-Raigarh 220kV S/S	28		2007-08	
10	LILO of K(E)-Budipadar 2 nd ckt at Raigarh 400kV(PGCIL)S/SD/C	15		2007-08	
11	220kV DCDS Suhela-PGCIL	30		2007-08	
12	220kV Bhatapara-Kumhari LILO at PGCIL	12		2007-08	
13	Budhipadar-Korba ckt-2 LILO at PGCIL Raigarh	24		Jun'07	
14	220kV Raigarh-Ms Jindal Power Ltd	104		2008-09	
15	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	LILO B'shwer Aurangabad for Bhenda S/S	37.095	117	2008-09	Tower material required
2	Evacuation of power from Parli ext.project	5.112	20	2008-09	
3	LILO of Nasik-Kalwa for Ghatghar S/S	99	84	2008-09	
4	Padegaon-Sawangi D/C	29.436	52	31.03.07	Line being commissioned soon
5	LILO on Malharpeth-Wankuswade for SataraMIDC	60	98	31.03.07	
6	Interconaction between Kolhapur-II-Kolhapur-III S/S	18.4	36	Sep' 09	ROW problem, Resurvey work under progress
7	LILO on Apta -Chinchwad for URSE S/S	22	37	2008-09	Work order placed
8	Kanhan-Umred S/C on D/C at Umred	50.106	164	2008-09	Foundation, Erection etc. in progress
9	LILO of Dhule-Dondaicha at Amalner D/C	80		2008-09	
10	Boisar(PGCIL 400/220kV)-Wada	55		2008-09	
11	Kolhapur—III-Mundhaltitta	40		2008-09	
12	LILO of Jejuri-Pandharpur at Temburni D/C	6		2008-09	
13	Kanhan-Umred S/C on D/C line	50.1	158	2008-09	Foundation Erection etc. in progress
14	Dhule-Dondaicha D/C at Amalner S/S	44	98	2008-09	Complete stringing material required

संलग्नक Annex-I

माह June 09 आवृत्ती रूपरेखा

1. Frequency Profile for the month of June -2009

क्षेत्र Region	आवृत्ती स्थिती (प्रतिशत समय) Percentage of time when frequency was							अधिकतम आवृत्ती तात्कालिक Max. freq. (Inst.) Hz	न्युनतम आवृत्ती तात्कालिक Min. freq. (Inst.) Hz	औसत आवृत्ती Average freq. Hz	संक्षिप्त स्पष्टीकरण Brief Explanation
	Below 48.8	48.8- 49.2	49.2- 49.5	49.5- 49.8	49.8- 50.3	50.3- 51	Above 51				
पश्चिम Western	0.30	18.89	29.77	28.86	21.66	0.52	-	50.59	48.69	49.51	Frequency was in the normal range (49.2-50.3 Hz) for 80.29 % of time.

माह June 09 में ग्रिड के प्रमुख उप केन्द्र का विद्युतदाब रूपरेखा

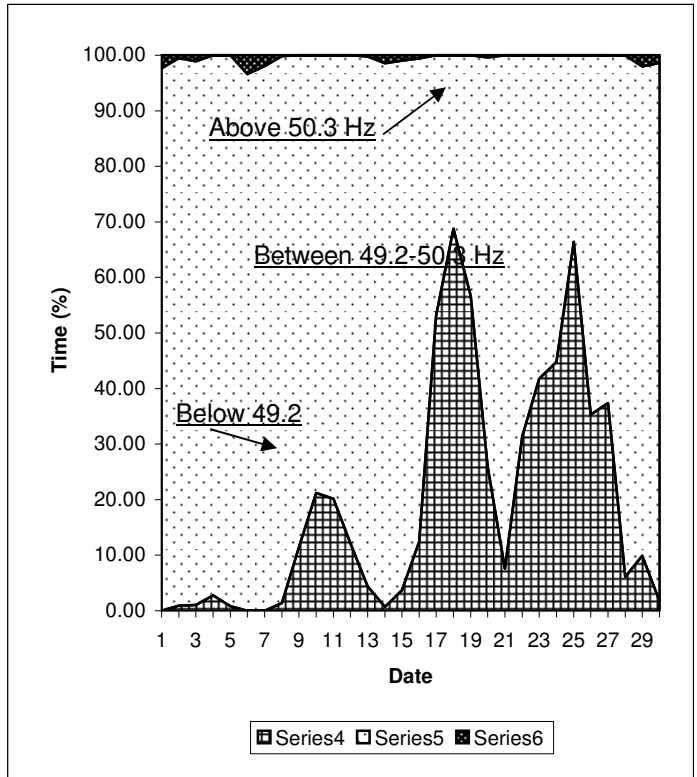
2. Format for the report on Voltage Profile at major grid Sub-Stations Voltage Profile for the month of June - 2009

क्षेत्र Region	सब स्टेशनका नाम Sub-Station Name	अधिकतम 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.			
पश्चिम Western	धुले Dhule	400	0	0.94	99.06	438	396	
	असोज Asoj	400	0	17.80	82.21	426	400	
	कराड Karad	400	4.37	48.77	46.86	423	380	
	कासोर Kasor	400	0	13.98	86.02	428	400	
	इन्दौर Indore	400	1.57	73.79	24.64	423	387	
	इटारसी Itarsi	400	0	22.02	67.98	431	391	
	जेटपुर Jetpur	400	0.02	75.21	24.77	422	386	
	भिलाई Bhilai	400	0.00	12.67	87.33	423	393	
	बिना Bina	400	0.03	62.02	37.95	428	392	
	ग्वालियर Gwalior	400	0.00	30.01	69.99	430	375	

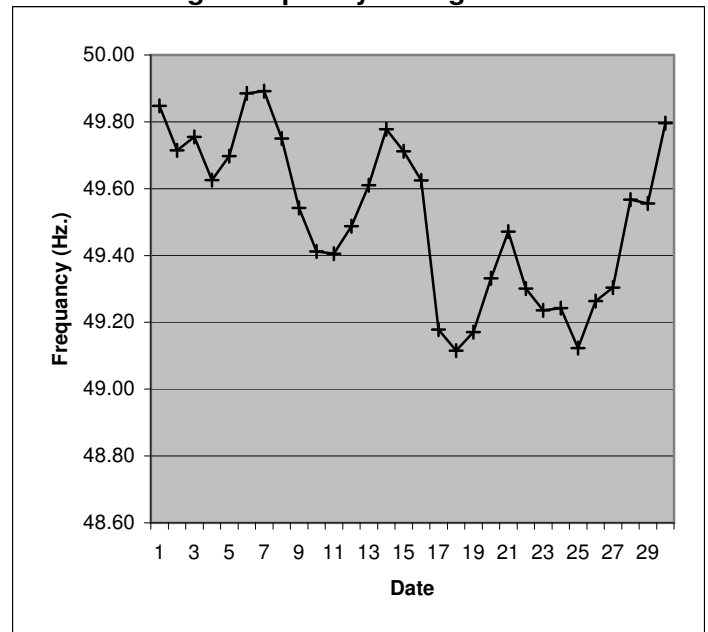
जून 2009 माह के दौरान आवृत्ति रेजीम

Frequency Regime during the month of June 2009

Date	Time (%)			Average Frequency (Hz)
	Below 49.2	Between 49.2-50.3	Above 50.3	
1	0.00	97.64	2.36	49.85
2	0.90	98.61	0.49	49.72
3	1.04	97.85	1.11	49.76
4	2.77	97.23	0.00	49.63
5	0.83	99.17	0.00	49.70
6	0.00	96.60	3.40	49.89
7	0.00	98.06	1.94	49.89
8	1.39	98.41	0.20	49.75
9	11.38	88.62	0.00	49.54
10	21.22	78.78	0.00	49.41
11	20.18	79.82	0.00	49.41
12	12.13	87.87	0.00	49.49
13	4.36	95.42	0.22	49.61
14	0.69	97.85	1.46	49.78
15	3.68	95.35	0.97	49.71
16	12.42	87.03	0.55	49.63
17	53.19	46.81	0.00	49.18
18	68.79	31.21	0.00	49.12
19	56.66	43.34	0.00	49.17
20	25.93	73.65	0.42	49.33
21	7.56	92.44	0.00	49.47
22	31.42	68.58	0.00	49.30
23	41.75	58.25	0.00	49.24
24	44.80	55.20	0.00	49.24
25	66.44	33.56	0.00	49.12
26	35.30	64.70	0.00	49.26
27	37.38	62.62	0.00	49.30
28	6.10	93.83	0.07	49.57
29	9.92	88.08	2.00	49.56
30	1.73	96.88	1.39	49.80



जून 2009 माह के दौरान औसत आवृत्ति
Average Frequency during June 2009



Net Energy Exchanges (Including Central Sector & Bilateral)

उजा विनिमय (म.यू.) ENERGY EXCHANGES (MUs)	गुजरात Gujarat	मध्य प्रदेश Madhya Pradesh	छत्तीसगढ़ Chhattisgarh	महाराष्ट्र Maharashtra	गोवा GOA	पश्चिम क्षेत्र W. REGION
June-08 जून 2008	1147.56	879.02	106.47	1837.69	206.36	-66.04
June-09 जून 2009	1158.81	1226.68	-188.84	2362.30	229.56	-356.34

Daily Max. Shortages

प्रतिदिन अधिकतम कमी DAILY MAX.LOAD SHORTAGES (MW)	गुजरात Gujarat	मध्य प्रदेश Madhya Pradesh	छत्तीसगढ़ Chhattisgarh	महाराष्ट्र Maharashtra	गोवा GOA	पश्चिम क्षेत्र W.REGION
June-08 जून 2008	932-2564	338-962	16-156	2122-4632	0-75	3796-7635
June-09 जून 2009	40-633	853-2071	61-122	1508-4136	0-60	3283-6829

Generation Capacity Outage

बंद क्षमता CAPACITY OUTAGE	गुजरात Gujarat	मध्य प्रदेश Madhya Pradesh	छत्तीसगढ़ Chhattisgarh	महाराष्ट्र Maharashtra	के. निकाय Central Sector	पश्चिम क्षेत्र W. REGION
योजनाबद्ध बंद (मे.वा.) Planned outage (MW)						
June-08 जून 2008	0-535	62.5-272.5	0-170	1470-1890	0-1219	1532.5-4086.5
June-09 जून 2009	320-690	0-272.5	210-580	0-370	580-1080	1440-2239
बलात् बंद (मे.वा.) Forced outage (MW)						
June-08 जून 2008	200-1328	0-450	0-750	268-1720	164-2438	985-4448
June-09 जून 2009	265-947	262.5-1017.5	0-750	1340-2710	0-1156	2415-5088.5
कुल बंद (मे.वा.) Total outages (MW)						
June-08 जून 2008	231-1738	62.5-722.5	50-920	1820-3490	164-3657	3227.5-8324.5
June-09 जून 2009	585-1477	262.5-1227.5	300-1000	1710-3040	920-1955	4535-7327.5

माह जून 2009 200 में आवृत्ति के आंकड़ों का विवरण
(पश्चिम क्षेत्र भार प्रेषण केन्द्र की आवृत्ति रिपोर्ट के आधार पर)

FREQUENCY PARTICULARS DURING JUNE 2009

(AS PER FREQUENCY REPORT OF WRLDC)

1. INTEGRATED OVER AN-HOUR

एक घंटे में समाकलित

1.1 MAXIMUM FREQUENCY 50.25 Hz. BETWEEN 1700 Hrs & 1800 Hrs. ON 07.06.2009
अधिकतम आवृत्ति 07 जून 2009 को 1700 और 1800 बजे के बीच

1.2 MINIMUM FREQUENCY 48.86 Hz. BETWEEN 1400 Hrs & 1500 Hrs. ON 25.06.2009
न्यूनतम आवृत्ति 25 जून 2009 को 1400 और 1500 बजे के बीच

1.3 AVERAGE FREQUENCY 49.51 Hz.
औसत आवृत्ति

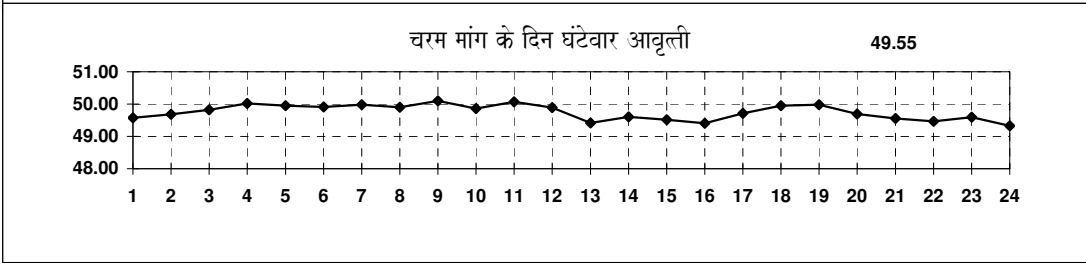
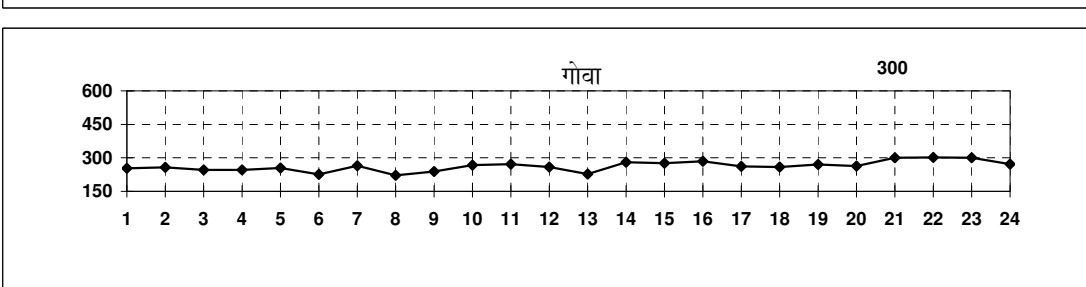
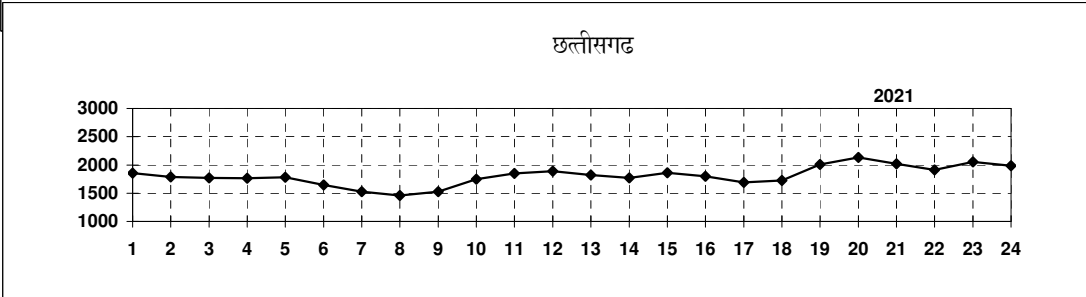
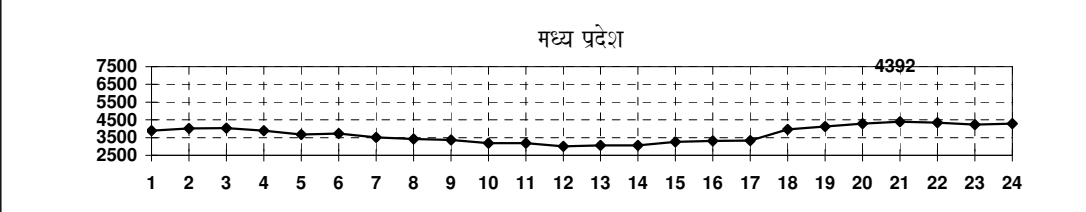
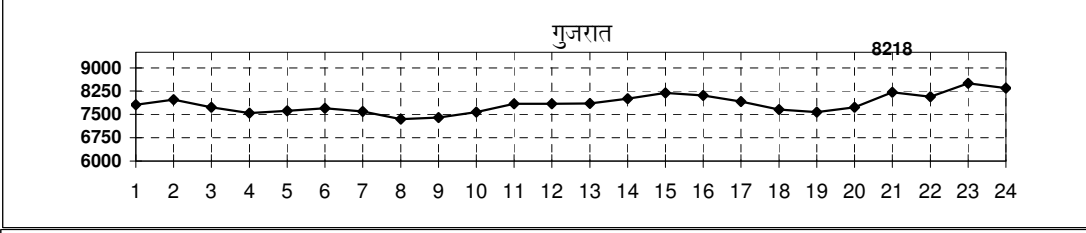
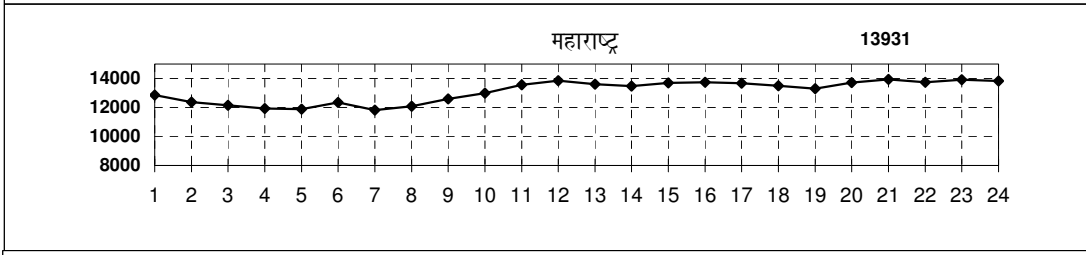
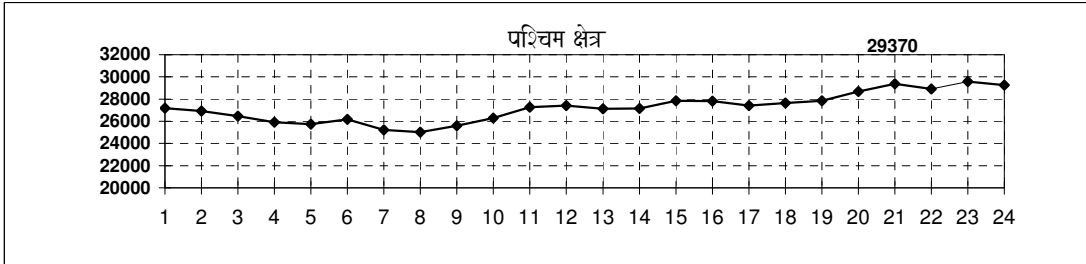
2. INSTANTANEOUS तात्कालिक

2.1 MAXIMUM FREQUENCY 50.59 Hz. AT 08:04:18 Hrs. ON 03.06.2009
अधिकतम आवृत्ति 03 जून 2009 को 08:04:18 बजे

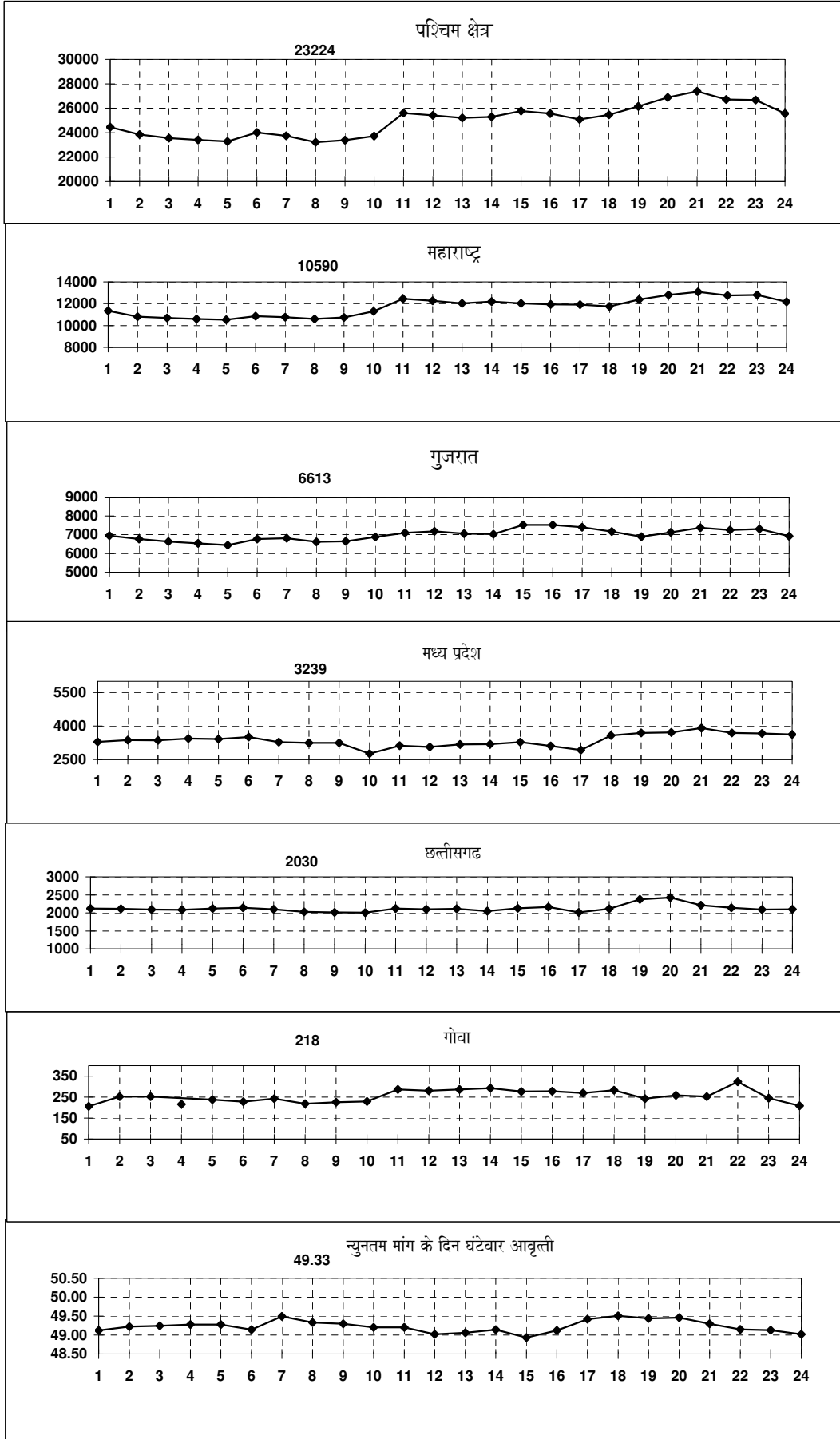
2.2 MINIMUM FREQUENCY 48.69 Hz. AT 14:43:09 Hrs. ON 25.06.2009
न्यूनतम आवृत्ति 25 जून 2009 को 14:43:09 बजे

3. %AGE OF TIME WHEN FREQUENCY WAS आवृत्ति का समय प्रतिशत में	JUNE 2009 जून 2009	MAY 2009 मई 2009	APRIL 2009 अप्रैल 2009
3.1 BELOW 48.5 Hz. 48.5 हट्ज के नीचे	0.00	0.00	0.00
3.2 BETWEEN 48.5 Hz. AND 48.8 Hz. 48.5 हट्ज और 48.8 हट्ज के बीच	0.30	0.01	0.12
3.3 BETWEEN 48.8 Hz. AND 49.2 Hz. 48.8 हट्ज और 49.2 हट्ज के बीच	18.89	6.44	18.63
3.4 BETWEEN 49.2 Hz. AND 49.5 Hz. 49.2 हट्ज और 49.5 हट्ज के बीच	29.77	23.16	38.25
3.5 BETWEEN 49.5 Hz. AND 49.8 Hz. 49.5 हट्ज और 49.8 हट्ज के बीच	28.86	33.86	30.01
3.6 BETWEEN 49.8 Hz. AND 50.2 Hz. 49.8 हट्ज और 50.2 हट्ज के बीच	20.54	30.90	12.03
3.7 BETWEEN 50.2 Hz. AND 50.3 Hz. 50.2 हट्ज और 50.3 हट्ज के बीच	1.12	3.29	0.64
3.8 BETWEEN 50.3 Hz. AND 51 Hz. 50.3 हट्ज और 51.0 हट्ज के बीच	0.52	2.34	0.32
3.9 BETWEEN 51.0 Hz. AND 51.5 Hz. 51.0 हट्ज और 51.5 हट्ज के बीच	0.00	0.00	0.00
3.10 ABOVE 51.5 Hz. 51.5 हट्ज के ऊपर	0.00	0.00	0.00
4.1 NO. OF TIMES FREQUENCY TOUCHED 48.80 Hz. आवृत्ति 48.80 हट्ज को छूी	1144	131	192
4.2 NO. OF TIMES FREQUENCY TOUCHED 48.60 Hz. आवृत्ति 48.60 हट्ज को छूी	0	0	0
4.3 NO. OF TIMES FREQUENCY TOUCHED 51.00 Hz. आवृत्ति 51.00 हट्ज को छूी	0	0	0

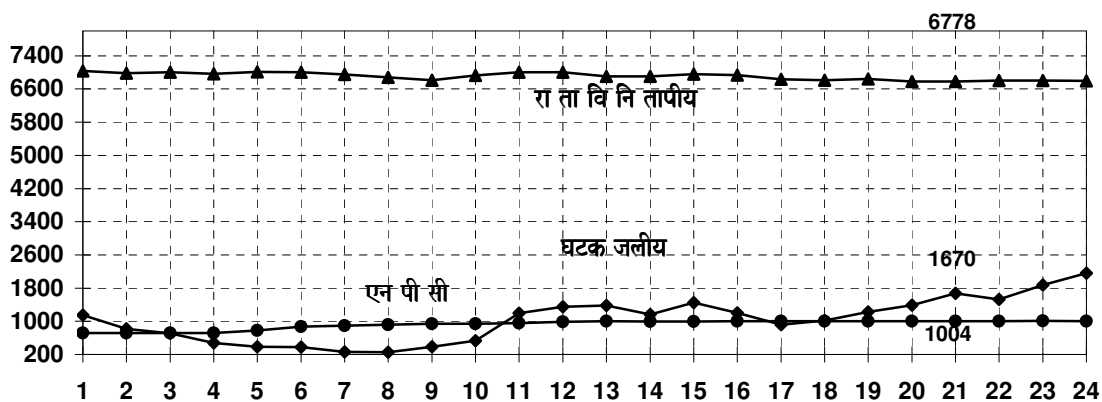
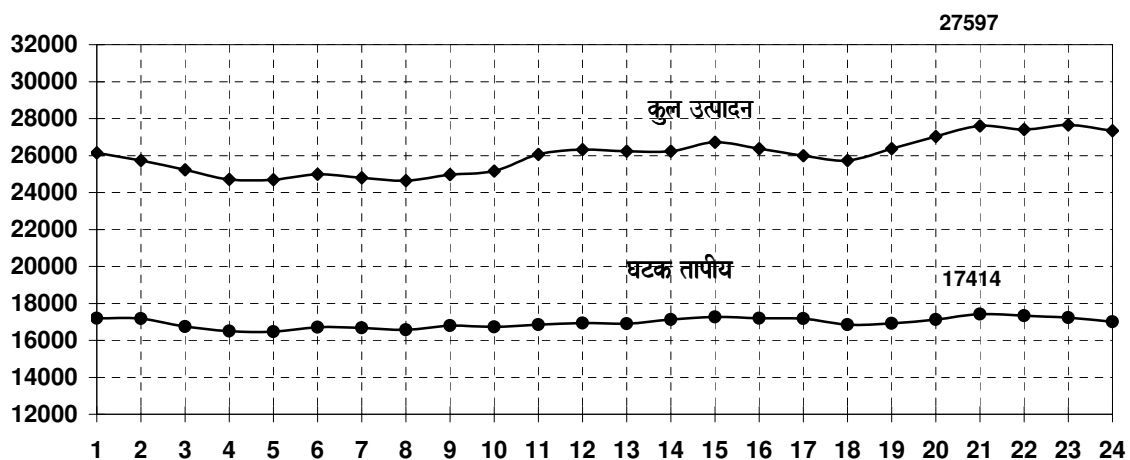
पश्चिम क्षेत्र चरम भार दिन के प्रतिघंटा भार वक्र
 HOURLY DEMAND CURVES ON REGIONAL PEAK DAY 03.06.09



पश्चिम क्षेत्र न्यूनतम भार दिन के प्रतिघंटा भार वक्र
 HOURLY DEMAND CURVES ON MINIMUM LOAD DAY 24.06.09



पश्चिम क्षेत्र चरम भार दिन के प्रतिघंटा उत्पादन
HOURLY GENERATION OF WESTERN REGION ON PEAK DAY 03.06.09



माह जून 2009 का क्षेत्रीय भार वक्र

Monthly Load Duration curve for the month of June 2009

Maximum Demand = 29370 MW

Minimum Demand = 23224 MW

