



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

**System Operation Report
Of Western Region
For the month of
Sep 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

1. दिनांक 31 | 08 | 2009 को राज्यानुसार संस्थापित क्षमता

INSTALLED GENERATION CAPACITY OF THE STATES INCLUDING SHARES AS ON 31.08.2009

(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	970.00	2577.50	0.00	3547.50	0.20	1373.20	4920.90
	Central(firm allo)	0.00	1415.00	424.00	559.00	2398.00	0.00	0.00	2398.00
	Total	772.00	6500.00	3520.22	559.00	11351.22	17.48	1397.50	12766.20
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	1425.66	257.00	273.00	3475.66	0.00	0.00	3475.66
	Total	3223.67	4233.16	257.00	273.00	7986.83	0.00	262.71	8249.54
Chhattisgarh	State	120.00	2030.00	0.00	0.00	2150.00	0.00	18.05	2168.05
	Private	0.00	1300.00	0.00	0.00	1300.00	0.00	156.10	1456.10
	Central(firm allo)	0.00	733.00	0.00	48.00	781.00	0.00	0.00	781.00
	Total	120.00	4063.00	0.00	48.00	4231.00	0.00	174.15	4405.15
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	1904.33	2624.00	690.00	5218.33	0.00	0.00	5218.33
	Total	3332.83	10604.33	3716.00	690.00	18343.16	0.00	2159.21	20502.37
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	17.66	4.00	7.00	28.66	0.00	0.00	28.66
	Total	0.00	17.66	4.00	7.00	28.66	0.00	0.00	28.66
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	20.00	27.00	9.00	56.00	0.00	0.00	56.00
	Total	0.00	20.00	27.00	9.00	56.00	0.00	0.00	56.00
WR	State	5484.50	15752.50	1430.72	0.00	22667.72	17.28	330.87	23015.87
	Private	444.00	4170.00	2805.50	0.00	7419.50	0.20	3692.75	11112.45
	Central(firm allo)*	1520.00	5792.65	3336.00	1612.00	12260.65	0.00	0.00	12260.65
	Unallocated	0.00	950.00	197.59	228.00	1375.59	0.00	0.00	1375.59
	Total	7448.50	26665.15	7769.81	1840.00	43723.46	17.48	4023.62	47764.56

PROGRESS OF TRANSMISSION LINES UNDER CONSTRUCTION IN WESTERN REGION

Sr. No.	Name of transmission line	Length in Ckt. Km	Total Locations	PRESENT STATUS			Anticipated Completion Target	REMARKS
				Stub Setting completed	Tower erected	Stringing completed		
				(Nos.)	(Nos)	(Ckm)		
A	गुजरात GUJARAT (September 2009)							
	I. 400 केवी लाईन 400 kV Lines							
1	400 KV D/C Mundra (Adani) - Varsana D/C line	166.00	270	43	17	-	Feb-10	Work under Progress. ROW problems.
2	400 KV Tappar(Varsana)-Hadala line	299.88	458	158	81	6.17	Feb-10	Work under Progress. ROW problems.
3	400 KV Essar-Hadala line	232.00	353	195	101	-	Feb-10	Work under Progress. ROW problems.
4	400 KV LILO to Kosamba from Asoj-Ukai	64.00	95	47	-	-	Dec-09	Foundation Work under Progress
	II. 220 केवी लाईन 220 kV Lines							
1	200 kV LILO at Mota (Bardoli) S/S from 2nd Ckt. of Ukai (T)-Vav	9.60	16	16	16	9.60	Sept. 08	Line work completed. Feeder bay work completed.LILO point jumper work pending.
2	200 kV D/C Utran-Kosambaat Kosamba S/S from Vav-Zagadia line	86.00	143	94	68.0	5.97	Oct-09	Foundation and Erection work under progress.ROW Problem.
3	200 kV Mangrol-Mobha D/C line	218.00	355	355	353	142.98	Jun-09	Erection & stringing work in progress.ROW problem
4	220 KV D/C Chorania - Bala	59.12	96	96	96	59.12	Feb-09	Line charged on 29.04.09
5	220 KV D/C Rajpur-Dudhrej	19.16	40	40	40	18.81	Dec-08	Work completed.
6	200 kV LILO at Dinod S/S (Kosamba) from Vav-Zagadia line	10.20	17	16	16	10.40	Mar-09	Line charged on 08.07.09
7	200 kV LILO at Chitrod from Deodar-Anjar	2.10	-	-	-	2.10	Jul-09	Line is ready. Feeder bay Work under progress.
8	200 kV LILO of Shivilakha-Nanikhakhar at Varsana one ckt at Kukma s/s	34.00	54	39	37	-	Dec-09	Work under progress. Severe ROW problem
9	220 KV D/C Mundra (Adani) - Varsana D/C line	166.00	254	217	200	45.57	Oct-09	Erection work under progress. RIW problem
10	200 kV LILO at Lakhani S/S from both Ckt of Kansari- Tharad line	8.00					Mar-10	Price bid opened. Tender under acceptance.
11	200 kV LILO at Botad S/S from Kasor- Vartej line	38.80	58	13			Dec-09	6 Nos. location excavation completed. Foundation work to be commenced by 04.09.09
12	220 KV Varsana-Morbi	214.00	351	238	203	16.00	Oct-09	Work under progress. Severe ROW problem
13	220 KV D/C Viramgam-Salejada	118.00	185	78	50		Nov-09	Work under progress.
14	220 KV M/C LILO to Bhat from Viramgam-Salejada line	36.00	57	47	25		Nov-09	Work under progress.
15	220 KV Nanikhakhar-Tunda line	15.17	55	49	40		Nov-09	Work under progress.

B	मध्य प्रदेश MADHYA PRADESH (September 2009)						
	I. 400 केवी लाईन 400 kV Lines						
	NIL						

Sr. No.	Name of transmission line	Length in Ckt. Km	Total Locations Nos.	PRESENT STATUS			Anticipated Completion Target	REMARKS
				Stub Setting completed	Tower erected	Stringing completed		
II. 220 केवी लाईन 220 kV Lines								
1	LILO of 1st Ckt. DCDS 200 kV Gwalior- Malanpur at 400KV Gwalior PGCIL S/S	17.13	31	31	30	11.636	2009-10	Work stopped by the contractor
2	200 kV Satna-Chhatarpur	153.74	518	501	414	73.2	2010-11	Work in Progress.
3	200 kV Amarkantak-Birsinghpur DCDS at 400kV s/s SUKHA(PGCIL)	331.80	547	431	233	-	2010-11	In principle Forest approval for 0.95 Hactare received. Final approval awaited. Work in progress.
4	220 kV Chhindwara-400 kV PGCIL Seoni D/C	140.00	227	227	227	133.52	2008-09	Work completed.Line charged on 20.05.09
5	LILO of one Ckt of 200 kV Jabalpur-Itarsi at Piparia S/S	7.20	13	13	13	7.2	2009-10	Work almost completed.Line charged upto the dead end on 24.09.09
6	220 kV Bhopal (400 kV) -Ashta for Ashta S/S	194.94	322	322	321	193.274	2009-10	Work in progress
7	SujalpurPGCIL (400kV)-220kV Rajgarh Biaora line	137.36	227	227	227	137.36	2008-09	Work completed.Line charged on 18.08.09
8	Jabalpur-Narsingpur part line for 400 kV PGCIL Sukha	153.14	253	248	228	96.29	2009-10	Work stopped since 01.07.2009
9	Chhindwara-Betul	270.00	462	458	458	265	2010-11	Work in Progress.
10	Chegoan-Nimrani	205.00	348	344	310	170	2010-11	Work in Progress.
11	LILO of one circuit of 220kV Satpura-Itarsi for 220kV Handia	170.00	273	273	272	147.6	2010-11	Work in Progress.
12	Rerouting of 220kV Makronia Traction Feeder through 220kV Sagar	10.18	21	21	21	10.152	2008-09	Work completed.
13	LILO of second circuit of 220kV Pithampur-Ratlam line for 220kV Badnagar	20.29	35	35	35	20.23	2008-09	Work completed except termination of gantry
14	LILO of 2nd Ckt. of 220 kV Itarsi-Bhopal for 220 kV Hosangabad	10.75	20	20	19	0.44	2009-10	Work stopped due to ROW problem.
15	Astha-Bercha line	45.00	158	141	121	-	2009-10	Work in Progress
16	Maheshwar-Pithampur	108.00	189	-	-	-	2010-11	Survey completed in forest area. In principal forest approval received on 01.01.09
17	Maheshwar-Nimrani	52.10	92	78	13	-	2010-11	Work in progress.
18	Maheshwar-Rajgarh	230.00	403	-	-	-	2011-12	In principle forest approval receivedon 01.01.09
19	LILO of one circuit of 220kV Bhopal-Bina for Vidisha new S/S	42.32	79	46	43	-	2010-11	Work stopped by Contractor. New NIT issued for balance work.
20	Dewas-Astha Line	144.00	240	127	8	-	2010-11	Work in Progress

Sr. No.	Name of transmission line	Length in Km	Total Locations Nos.	PRESENT STATUS			Anticipated Completion Target	REMARKS
				Stub Setting completed	Tower erected	Stringing completed		
C	छत्तीस गढ़ CHHATTISGARH (August 2009)							
	I. 400 कवा लाइन 400 kV Lines							
1	LILO of 400 kV Korba (West)-Bhilai to Raipur DCDS	25.00	-	-	-	-	2009-2010	Order placed. Work to be started shortly.
2	400 kV Korba(West)- Khedamara DCDS	220.00	-	-	-	-	2009-2010	Order placed. Work to be started shortly.
	II. 220 कवा लाइन 220 kV Lines							
1	200 kV Korba -Bishrampur DCSS	153.00	509	347	294	37.67	2009-2010	Case submitted for 2nd phase approval from AIG(FC) Min. of Env & Forest, New Delhi
2	LILO of 220 kV Bhatapara-Raipur (PGCIL) at Doma	21.47	76	67	60	11.9	2009-2010	Work under Progress.
3	220kV DCDS Suhela-PGCIL Bhatapara line	13.53	45+2G +1B	45+2G	45+2G	13.4	2009-2010	Work under Progress.
4	I/C 220 kV Raigarh-PGCIL Raigarh DCDS	10.39	37+6G	37+6G	37.0	10.39	2008-2009	Charged on 15.04.09
5	LILO of 200 kV Korba-Siltara at Mopka DCDS	12.14	47	44	41	4.0	2009-2010	Work under Progress.
6	220 KV DCSS lines between 400 KV S/S Bhilai& Rajnandgaon+ 1 No. bay at Khedamara	49.82	159	159	159	49.8	2009-2010	Work completed & line charged on 18.07.09
7	220 kV DCSS Khedamara-220 KV s/s Bemetara+ 1 No. bay at Khedamara & 1 No. at Bemetara	50.90	157.0	152.0	126.0	18.5	2009-2010	Work under Progress.
8	220 kV DCDS lines Chhuri-Mopka(Bilaspur)	90.00	-	-	-	-	2009-2010	Order placed
9	220 kV I/C between New Power House at Korba(E) to proposed 220 kV Chhuri	30.00	-	-	-	-	2009-2010	Work to be taken up
10	Diversion of 200 kV line from Korba(E)-Bhilai line emanating from 200 MW PH-II to Korba(E) and 200 kV I/C in between Korba(E) PH-II	30.00	-	-	-	-	2009-2010	Work to be taken up
11	Diversion of 200 kV line from Korba-Bhatpara and 200 kV I/C in between Korba(W) and proposed 200 kV Chhuri S/S using section of Korba-Amarkantak - I & II DCSS	14.00	-	-	-	-	2009-2010	Work to be taken up
12	Diversion of 200 kV Korba-Amarkantak Ckt.I&II to proposed 200/132KV Chhuri S/S DCSS	4.00	-	-	-	-	2009-2010	Work to be taken up

D		महाराष्ट्र (MAHARASHTRA) (September 2009)		PRESENT STATUS			Anticipated Completion	REMARKS
Sr. No.	Name of transmission line	Length in Ckt. Km	Total Locations (Nos)	Stub Setting completed	Tower erected	Stringing completed	Target	
				Nos.				
I. 400 केवी लाईन 400 kV Lines								
1	400 kV Dabhol- Nagothane Ckt II	135.56	337	333	331	130.16	Dec-09	Severe ROW Problems in Vadvali village
2	Diversion of 400 KV Chandrapur-Parli S/C line for WCL	7.50	20	19	18	4.242	Jun-09	Work is slow due to ROW problems
3	Diversion of 400 KV Chandrapur-Parli D/C line for WCL	29.00	40	37	27	-	Jun-09	Work is slow due to ROW problems
4	400 KV D/C line from Bhusawal II to A'bad(Loc. No. 1 to 270)	190.00	283	262	207	150	Mar-10	Work in progress
5	400 KV D/C line from Bhusawal to A'bad(Loc. No. 270 -Waluj)	88.02	246	218	136	2.2	Mar-10	Work in progress
6	400 KV Jaigad-New Koyana D/C line	114.00	160	104	53	-	Dec-09	Work in progress
7	400 KV Jaigad-New Karad D/C line	224.00	322	92	32	-	Jun-10	Work in progress
8	400 KV D/C line from Bhusawal II to existing 400 KV Khadka	15.00	26	25	25	3.44	Dec-09	Work in progress
9	LILO on 400 KV Lonikhand-Padghe S/S line for 400 KV Chakan S/S	3.00	5	5	3	-	Jul-09	Work in progress
10	400 KV S/C line from 400 KV New Khaerkheda-400 KV Koradi	5.00	13	12	11	0.67	Jul-09	Checked Survey Completed. Exccavation work in progress
11	LILO on 400 KV Koradi-Chandrapur S/S line for 400 KV New Khaperkheda S/S	1.50	8	8	6	1.44	Jul-09	Checked Survey Completed. Exccavation work in progress
II. 220 केवी लाईन 220 kV Lines								
1	LILO on 220 kV Tarapur-Borivali for 220 kV Boisar-II S/S	8.00	15	15	12	4.00	Mar-10	Forest proposal recommended by Dy. COF Dahanu to Chief Conservator Thane. Court case at Loc.No.11
2	220 kV line from PGCIL to 220 kV Wada S/S	57.00	210	173	164	27.92	Mar-10	Work held up due to Court cases & forest clearance approval requirement
3	LILO of 220 kV Nasik-Kalwa Ckt. 3&4(Padghe-Kalwa) for Bapgaon S/S	3.00	9	-	-	-	Mar-10	Work held up due to local problem. Written to Collector for protection.
4	220 KV Nagothane-Wadkhal D/C line	30.00	93	56	44	-	Mar-10	Severe ROW Problems. Extension of contract proposal is under process at C.O.
5	LILO on 220 kV Padghe-Kalwa for Temghar S/S	1.50	8.0	-	-	-	Jun-09	Work is obstructed by local villagers & Anti social elements.
6	LILO on 220 kV Mulund-Borivali of XLPE underground cable for Bhandup GIS S/S	3.00	-	-	-	-	Dec-09	Permission for Under ground cable duct is awaited from MCGM.
7	220 kV D/C from Phursungi S/S TO 400 kV Jejuri S/S	62.00	100	31	-	-	Mar-10	Check survey started from 23.12.08
8	LILO on 220 kV Chinchwad-Kandalgaon for Hinjewadi-II S/S	10.00	39	34	31	3.8	Jun-09	Stringing except single phase between Loc. No.6-8 is balance due to clearence of 22 kV
9	220 kV D/C on M/C tower from 400 kV PGCIL Talegaon to 220 kV Urse S/S	10.27	40	40	40	10.9	Dec-09	One ckt.commissioned on 21.08.08. Court case for 2nd ckt. Strg. Between Loc. No. 4-5 is carried out on 21.02.09.
10	Shifting of 220 kV Telco Bhosari interconnecting bay at Chinchwad S/S	0.50	6	6	4	-	Dec-09	Work stopped as S/S gantry is not erected& 22kV line shifting is to be done by MSEDCL.
11	220 kV D/C line from 400 kV Chakan to M/s Volks Wagen Chakan	4.68	14	13	13	2.2	Jun-09	Line is ready for commissioning.Waiting for pending works at 400 kV Chakan & 220 kV Volkswagen S/S
12	220 kV D/C line on M/C towers LILO to 220 kV Bhosari-Chinchwad line at 400 kV Chakan S/S	18.00					Dec-09	Work in Progress.
13	220 kV LILO on 2nd ckt. Kolhapur Phonda line 220 kV Mumewadi	2.00	2	2	1		Sep-08	Work in Progress.
14	220 kV LILO on 2nd ckt. Kolhapur Phonda line 220 kV Halkarni	20.00	33	32	32	0.7	Sep-08	Work in Progress.
15	220 kV LILO on Pusad-Girawali(Nanded) for Hingoli	44.00	75	68	61		Sep-09	Work in Progress.
16	220 kV Chitegaon-Shendra D/C line	43.10					Mar-10	Work not started
17	Reorientation of 220 kV Padegaon I&II, Babhaleshwar I&II, Chitegaon	3.00					Dec-09	Survey started
18	220kV D/C on D/C Tower from Jeurparanda	30.00					Jun-10	Work not started
19	220 kV D/C line BEED-PATODA	45.00					Jun-10	Work not started
20	220kV Parii TPS-Nanded M/C line(Waghala)	90.30					Jun-10	Work not started
21	220 kV D/C/Jalna-Chikhali	150.00	248	7			Dec-10	Work very slow
22	220 kV D/C on D/C tower from 400 kV Bhusawal II to 220 kVAmalner S/S	182.00	326	244	107		Mar-10	Work in Progress.
23	220 kV D/C line on M/C towers from 400/220 kV new Bhusawal S/S to existing 400 kV Khadka	20.00	53	30	11		Nov-09	Work in Progress.
E पावरग्रीड POWERGRID (September 2009)								
765 केवी & 400 केवी लाईन 765 kV & 400 kV Lines								
Sipat-II Supplimentary Trans. System								
1.1	765 S/C Seoni-wardha (to be operated at 400kV)	268.0	724	724	723	268.0	Apr-09	Commercial Opn. w.e.f. 01.04.09
1.2	400 kV D/C Wardha-Akola	324.0	437	437	436	317.0	Apr-09	Commercial Opn. w.e.f. 01.04.09
1.3	400 kV D/C Akola-Aurangabad	482.0	652	652	652	482.0	Nov-09	Final checking under progress

Sr. No.	Name of transmission line	Length in Ckt. Km	Total Locations (Nos)	PRESENT STATUS			Anticipated Completion Target	REMARKS
				Stub Setting completed	Tower erected	Stringing completed		
2	Western Region Strengthening Scheme-II							
2.1	SET-A: For absorbing import in eastern&central part of WR							
2.1.1	765 kV 2nd S/C Seoni(PG)-Wardha(PG) (initially to be operated at 400kV)	270	734	40			Jul-10	Foundation commenced from Jun' 09
2.1.2	400 kV D/C Wardha (PG)-Parli (PG)(Quad.)	674	894	549	299	145	Jul-10	
2.1.3	400 kV D/C Raipur(PG)-Wardha(PG)	736	991	650	271	119	Jul-10	
2.1.4	400 kV D/C Bhadravati (PG)-Parli(PG)	776	1041	458	222	55	Jul-10	
2.1.5	400 kV D/C Parli(MSEB)-Parli(PG)	14	-	-	-	-	Jul-10	Engg. & survey under progress.
2.2	SET-B: For Regional strengthening in southern Maharashtra (to be implemented through IPTC route)							Awaiting approval from MOP under section 164. Physical construction work to be initiated on receipt of this clearance.
2.2.1	400 kV D/C Parli(PG)-Pune	616	-	-	-	-	-	
2.2.2	400 kV D/C Pune(PG)-Aurangabad(MSEB)	450	-	-	-	-	-	
2.2.3	400 kV D/C Parli(PG)-Pandharpur/Solapur	392	-	-	-	-	-	
2.2.4	400 kV D/C Pandharpur/Solapur(PG)-Kolhapur(MSEB)	378	-	-	-	-	-	
2.2.5	LILO of Lonikhand(MSEB)-Kalwa(MSEB)400 kV D/C at Pune(PG)	48	-	-	-	-	-	
2.2.6	LILO of Solapur(MSEB)-Karad(MSEB)400 kV D/C at Pandharpur/Solapur(PG)	52	-	-	-	-	-	
2.3	SET-C: For Regional strengthening in Gujarat (to be implemented through IPTC route)							Awaiting approval from MOP under section 164. Physical construction work to be initiated on receipt of this clearance.
2.3.1	400 kV D/C Rajgarh(PG)-Karamsad(GEB)	480	-	-	-	-	-	
2.3.2	400 kV D/C Limbdi(Chorania)(GEB)-Ranchodpura(Vadavi)(GEB)	190	-	-	-	-	-	
2.3.3	400 kV D/C Ranchodpura(Vadavi)(GEB)-Zerda(Kansari)(GEB)	310	-	-	-	-	-	
2.4	SET-D: For Regional strengthening in Northern Madhaya Pradesh							
2.4.1	Bina(PG)-Gwalior(PG) 765 kV 2nd Ckt.to be operated at 400kV	233	624	621	618	170	Mar-10	
2.4.2	400 kV D/C Korba(NTPC)-Birsighpur(MPGENCO)	453	644	445	418	161	Jul-10	
2.4.3	400 kV D/C Birsighpur(MPGENCO)-Damoh(PG)	454	637	615	595	175	Jul-10	
2.4.4	400 kV D/C Damoh(PG)-Bhopal(MPSEB)	430	576	570	564	362	Jul-10	
2.5	Trans. Sy. Associated with Gandhar-II (GBPP)							
2.5.1	400 kV D/C Gandhar-Kawas	190	-	-	-	-	*	33 months from investment approval or from date of tying up of FSA by NTPC whichever is later
2.5.2	400 kV D/C Gandhar-Rajkot	600	-	-	-	-	*	
2.5.3	LILO of 400 kV D/C Bina-Nagda at Shujalpur	60	-	-	-	-	*	
3	Western Region Strengthening Scheme-V							
3.1	400 kV Vapi(PG)-Navi Mumbai D/C line	277	396	88	40	-	Sep-10	Severe Row problem being faced in Maharashtra&DNH on almost all locations.
3.2	220 kV Vapi-Khadoli(UT of DNH) D/C line	56	95	60	48	-	Mar-10	
3.3	LILO of Lonikhand(MSEB)-Kalwa(MSEB) 400 kV S/C line at Navi Mumbai	10	33	-	-	-	Sep-10	Engg. & survey in progress. Severe Row problem being faced in Maharashtra on almost all locations.
4	Western Region Strengthening Scheme-VI							
4.1	400 kV D/C Dehgam - Pirana line	106	146	95	35		Nov-10	
5	Western Region Strengthening Scheme-IX							
5.1	LILO of 400 kV D/C Bina-Nagda line at Sujalpur	60					Jan-11	Tendering under progress
6	Inter-regional lines							
6.1	East-West Transmission corridor strengthening scheme							
6.1.1	400 kV D/C Ranchi - Rourkela	286	401	330	320	161	Mar-10	Row problem being faced due to extremists in Jharkhand
6.1.2	400 kV D/C Rourkela - Raigarh	440	586	364	315	60	Mar-10	
6.1.3	400 kV D/C Raigarh - Raipur	440	584	504	422	164	Mar-10	
6.2	Transmission System associated with Barh Generation Project							
6.2.1	765 kV S/C Seoni - Bina line (to be charged at 400kV)	293	788	768	763	277	Mar-10	
6.3	Transmission System associated with North west Transmission corridor strengthening scheme							
6.3.1	765 kV Agra - Gwalior 2nd S/C line (initially to be operated at 400kV)	128	336	336	336	128	Mar-09	Commercial Opn. w.e.f. 01.04.09

1. सितम्बर 2009 माह के दौरान पश्चिम क्षेत्रीय गिड की प्रमुख विशेषताएं

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

1.1 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
September-08 सितम्बर 2008	23015.89	8820.35	11878.00	1375.59	45089.83
September-09 सितम्बर 2009	23015.87	11112.45	12260.65	1375.59	47764.56
% increase % वृद्धि	0.00	25.99	3.22	0.00	5.93

1.2 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 गिड PGCIL (HVDC)	पश्चिम क्षेत्र WESTERN REGION
Unrestricted requirement (MUs)									
अवधित आवश्यकता (मे.यू.)									
September-08 सितम्बर 2008	5530.23	3002.90	1390.73	9099.35	219.48	138.80	294.24	0.90	19676.63
September-09 सितम्बर 2009	6395.97	3422.62	1249.43	10266.68	235.38	168.70	323.02	0.91	22062.71
Total Energy Availability (MUs)									
कुल उर्जा आवश्यकता (मे.यू.)									
September-08 सितम्बर 2008	5050.60	2649.96	1353.28	7518.18	213.56	120.80	281.38	0.90	17188.67
September-09 सितम्बर 2009	6321.59	2860.74	1219.13	8511.11	231.39	150.70	308.80	0.91	19604.38
Energy shortage(-)/surplus (+), in (Gwh) & %									
उर्जा में कमी(-)/अधिशेष(+), (मे. यू.) एवं % में									
September-08 सितम्बर 2008	-479.63	-352.94	-37.45	-1581.17	-5.92	-18.00	-12.86	0.00	-2487.97
% में In %	-8.67	-11.75	-2.69	-17.38	-2.70	-12.97	-4.37	0.00	-12.64
September-09 सितम्बर 2009	-74.38	-561.88	-30.29	-1755.57	-3.99	-18.00	-14.22	0.00	-2458.34
% में In %	-1.16	-16.42	-2.42	-17.10	-1.70	-10.67	-4.40	0.00	-11.14

1.3 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
अवधित मांग (मे.वा.)								
Unrestricted demand (MW)								
September-08 सितम्बर 2008	9803	5577	2428	17850	432	214	466	36018
September-09 सितम्बर 2009	10737	6875	2972	17999	443	252	509	38739
बधित मांग (मे.वा.)								
Registered demand (MW)								
September-08 सितम्बर 2008	8287	5186	2298	12568	377	189	434	28695
September-09 सितम्बर 2009	9837	6197	2853	14062	397	227	461	32465
Capacity shortage(-)/surplus (+), in (MW) & %								
क्षमता में कमी (-)/अधिशेष (+), (मे. वा.) एवं % में								
September-08 सितम्बर 2008	-1516	-391	-130	-5282	-55	-25	-32	-7323
% में In %	-15.46	-7.01	-5.35	-29.59	-12.73	-11.68	-6.87	-20.33
September-09 सितम्बर 2009	-900	-678	-119	-3937	-46	-25	-48	-6274
% में In %	-8.39	-9.87	-4.00	-21.87	-10.38	-9.92	-9.43	-16.19

माह सितम्बर 2009 में आवृत्ति के आंकड़ों का विवरण
(पश्चिम क्षेत्र भार प्रेषण केन्द्र की आवृत्ति रिपोर्ट के आधार पर)
FREQUENCY PARTICULARS DURING SEPTEMBER 2009

(AS PER FREQUENCY REPORT OF WRLDC)

1. INTEGRATED OVER AN-HOUR

एक घंटे में समाकलित

- 1.1 MAXIMUM FREQUENCY 50.24 Hz. BETWEEN 0200 Hrs & 0300 Hrs. ON 04.09.2009
अधिकतम आवृत्ति 04 सितम्बर 2009 को 0200 और 0300 बजे के बीच
- 1.2 MINIMUM FREQUENCY 48.93 Hz. BETWEEN 2200 Hrs & 2300 Hrs. ON 26.09.2009
न्यूनतम आवृत्ति 26 सितम्बर 2009 को 2200 और 2300 बजे के बीच
- 1.3 AVERAGE FREQUENCY 49.59 Hz.
औसत आवृत्ति

2. INSTANTANEOUS तात्कालिक

- 2.1 MAXIMUM FREQUENCY 50.49 Hz. AT 00:00:04 Hrs. ON 18.09.2009
अधिकतम आवृत्ति 18 सितम्बर 2009 को 00:00:04 बजे
- 2.2 MINIMUM FREQUENCY 48.65 Hz. AT 21:35:32 Hrs. ON 29.09.2009
न्यूनतम आवृत्ति 29 सितम्बर 2009 को 21:35:32 बजे

3. %AGE OF TIME WHEN FREQUENCY WAS आवृत्ति का समय प्रतिशत में	SEPTEMBER 2009 सितम्बर 2009	AUGUST 2009 अगस्त 2009	JULY 2009 जुलाई 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	0.37	0.48	0.03
3.3 BETWEEN 48.8 Hz. AND 49.2 Hz. 48.8 हट्ज और 49.2 हट्ज के बीच	15.93	25.40	4.67
3.4 BETWEEN 49.2 Hz. AND 49.5 Hz. 49.2 हट्ज और 49.5 हट्ज के बीच	23.79	35.90	22.14
3.5 BETWEEN 49.5 Hz. AND 49.8 Hz. 49.5 हट्ज और 49.8 हट्ज के बीच	28.41	25.29	39.46
3.6 BETWEEN 49.8 Hz. AND 50.2 Hz. 49.8 हट्ज और 50.2 हट्ज के बीच	29.29	12.28	31.73
3.7 BETWEEN 50.2 Hz. AND 50.3 Hz. 50.2 हट्ज और 50.3 हट्ज के बीच	1.70	0.51	1.41
3.8 BETWEEN 50.3 Hz. AND 51 Hz. 50.3 हट्ज और 51.0 हट्ज के बीच	0.51	0.14	0.56
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 छूही	481	930	82
4.2 NO. OF TIMES FREQUENCY TOUCHED 48.60 Hz. आवृत्ति 48.60 हट्ज को छूही	0	0	0
4.3 NO. OF TIMES FREQUENCY TOUCHED 51.00 Hz. आवृत्ति 51.00 हट्ज को छूही	0	0	0

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

- Western Regional Grid registered maximum demand during September 2009 was 32465 MW, which was 13.14 % more than the registered demand of 28695 MW met during the same month last year. The unrestricted demand during the month was 38739 MW as compared to 36018 MW during the last year. The increase in unrestricted demand is of the order of 7.55 %. The capacity shortage in the region was 6274 MW. Capacity shortage in Gujarat system was 900 MW, in Madhya Pradesh 678 MW, in Chhattisgarh 119 MW, in Maharashtra 3937 MW, in Goa 46 MW, in DD 25 MW and it was 48 MW in DNH.
- The unrestricted energy requirement for the region was 22063 MUs for the month of September 2009, as against the availability of 19604 MUs resulting in the energy shortfall of 2458 MUs during the month. The energy availability per day during the month was 653.48 MUs. The net export by Western Region to the neighboring regions during the month was 1203.17 MUs.
- Frequency profile:- Frequency remained between 49.2 to 50.3 Hz for 83.19% of the time during September 2009 and remained below 49.2 Hz for 16.3 %.
- Maximum and minimum voltages recorded at 400 / 765 kV S/S during the month of September 2009.

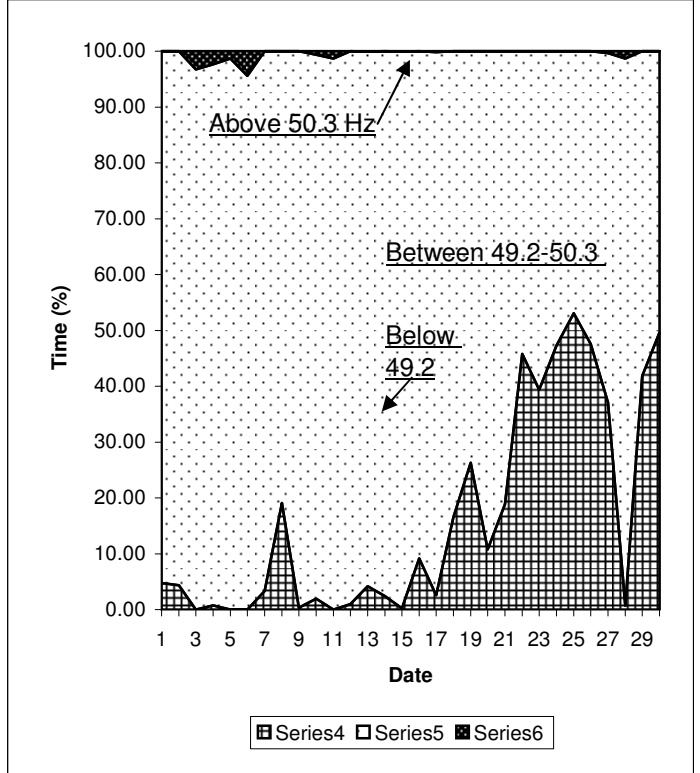
Name of 400 kV / 765 kV Substation	Voltages recorded	
	Maximum	Minimum
400 kV Indore	419	386
400 kV Itarsi	428	398
400 kV Karad	429	400
400 kV Dhule	440	400
400 kV Asoj	428	397
400 kV Kasor	425	391
400 kV Bhilai	420	400
400 kV Jetpur	415	351
400 kV Bina	426	381
400 kV Gwalior	432	357
400 kV Nagda	428	393
765 kV Sipat	772	734
765 kV Seoni	788	734

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dn\MPR Sept 2009\MPR Sep 2009\MPR-Sep 2009
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Subject:
Author: M. G. GUPTA
Keywords:
Comments:
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सितम्बर 2009 माह के दौरान आवृत्ति रेजीम

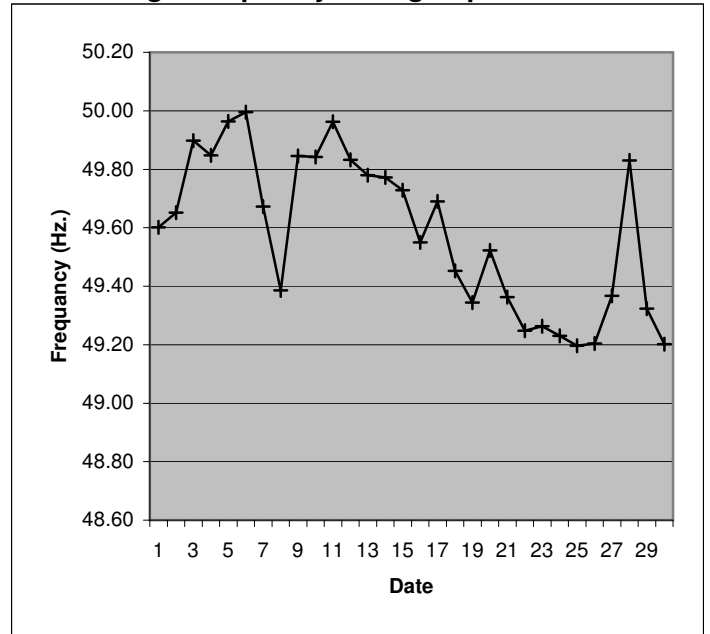
Frequency Regime during the month of September 2009

Date	Time (%)			Average Frequency (Hz)
	Below 49.2	Between 49.2-50.3	Above 50.3	
1	4.78	95.22	0.00	49.60
2	4.37	95.63	0.00	49.65
3	0.00	96.74	3.26	49.90
4	0.76	96.88	2.36	49.85
5	0.00	98.68	1.32	49.96
6	0.00	95.58	4.42	50.00
7	3.33	96.67	0.00	49.67
8	19.07	80.93	0.00	49.39
9	0.35	99.65	0.00	49.85
10	1.94	97.44	0.62	49.84
11	0.00	98.68	1.32	49.96
12	0.97	99.03	0.00	49.83
13	4.16	95.77	0.07	49.78
14	2.43	97.57	0.00	49.77
15	0.21	99.72	0.07	49.73
16	9.15	90.85	0.00	49.55
17	2.57	97.23	0.20	49.69
18	16.58	83.42	0.00	49.45
19	26.28	73.72	0.00	49.34
20	10.75	89.25	0.00	49.52
21	18.87	81.13	0.00	49.36
22	45.77	54.23	0.00	49.25
23	39.39	60.61	0.00	49.26
24	47.30	52.70	0.00	49.23
25	53.05	46.95	0.00	49.20
26	47.57	52.43	0.00	49.20
27	37.09	62.56	0.35	49.37
28	0.69	97.99	1.32	49.83
29	41.82	58.18	0.00	49.32
30	49.65	50.35	0.00	49.20
31	0.00	0.00	0.00	0.00

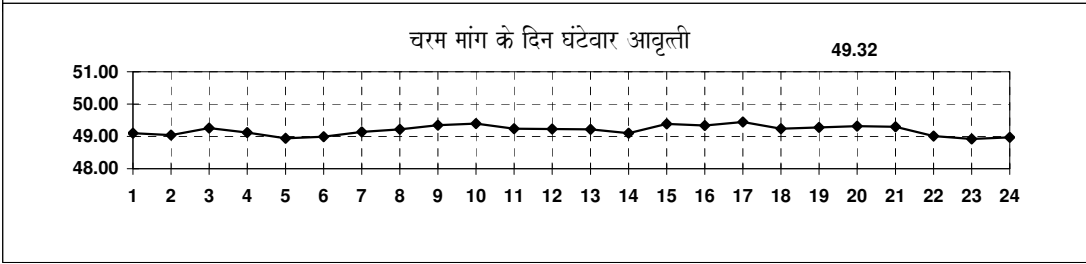
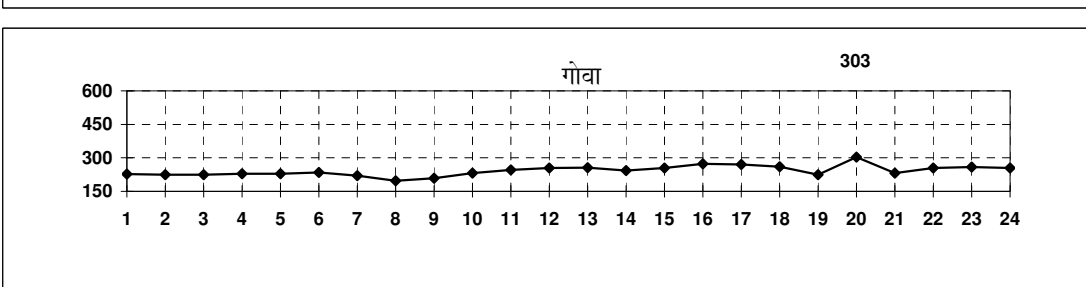
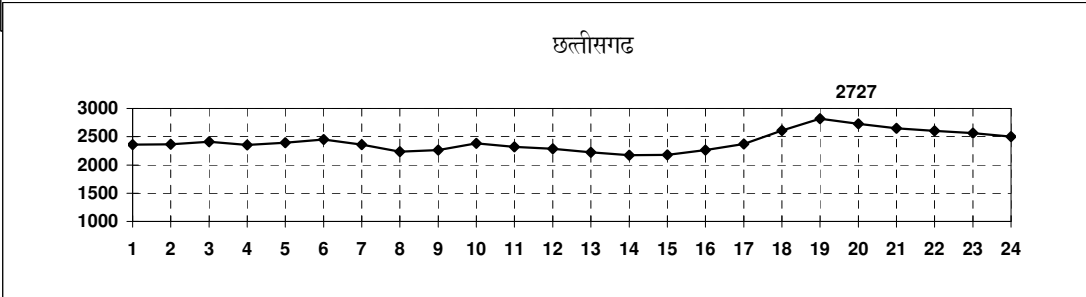
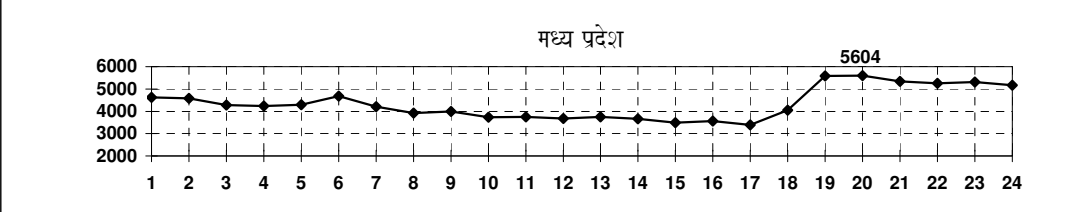
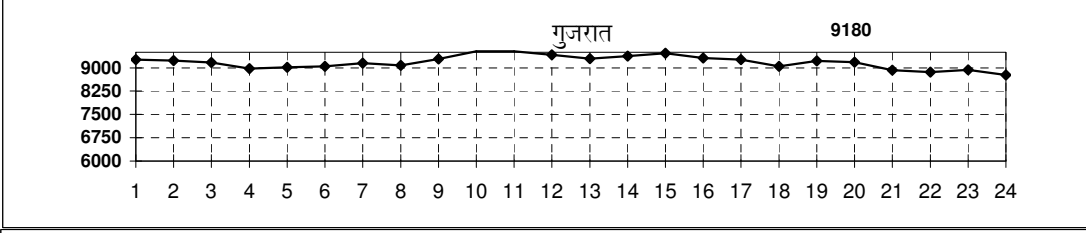
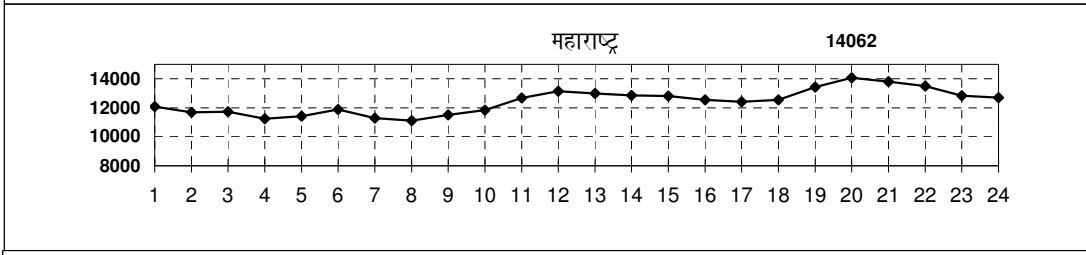
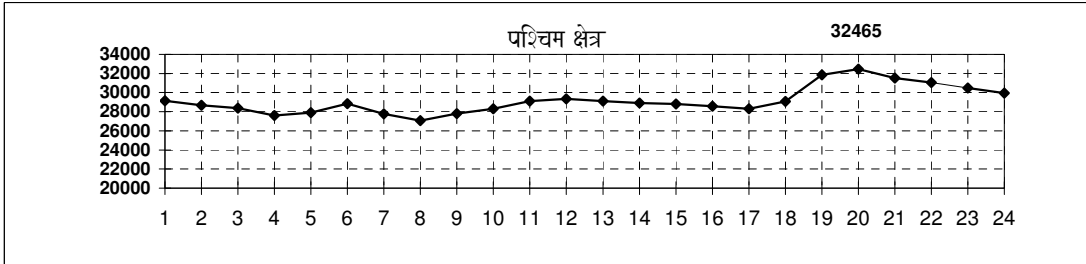


सितम्बर 2009 माह के दौरान औसत आवृत्ति

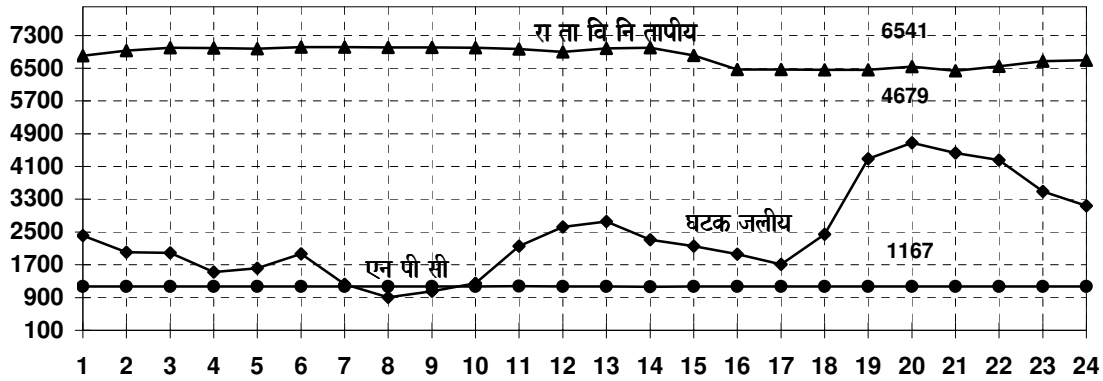
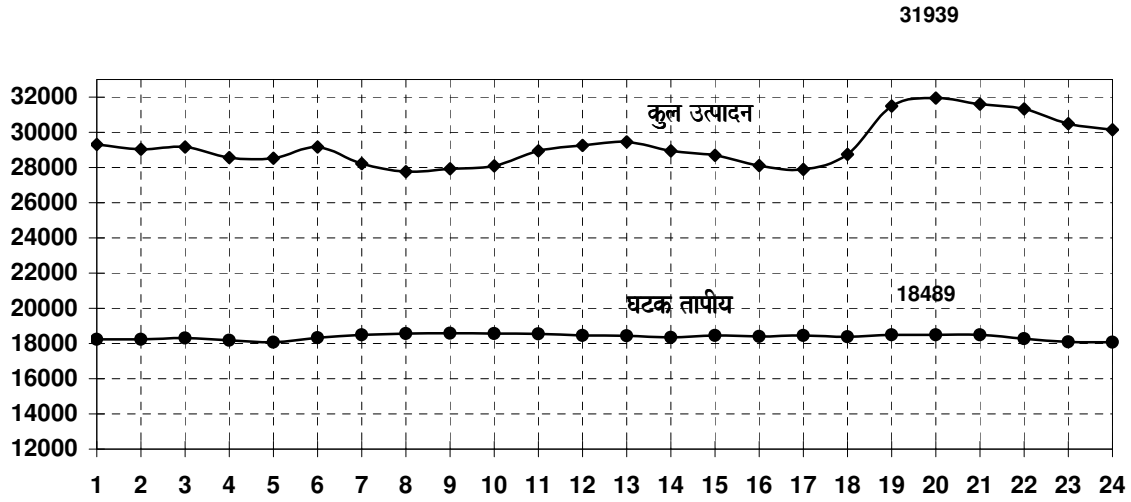
Average Frequency during September 2009



पश्चिम क्षेत्र चरम भार दिन के प्रतिघंटा भार वक
 HOURLY DEMAND CURVES ON REGIONAL PEAK DAY 26.09.09



पश्चिम क्षेत्र चरम भार दिन के प्रतिघंटा उत्पादन
 HOURLY GENERATION OF WESTERN REGION ON PEAK DAY 26.09.09

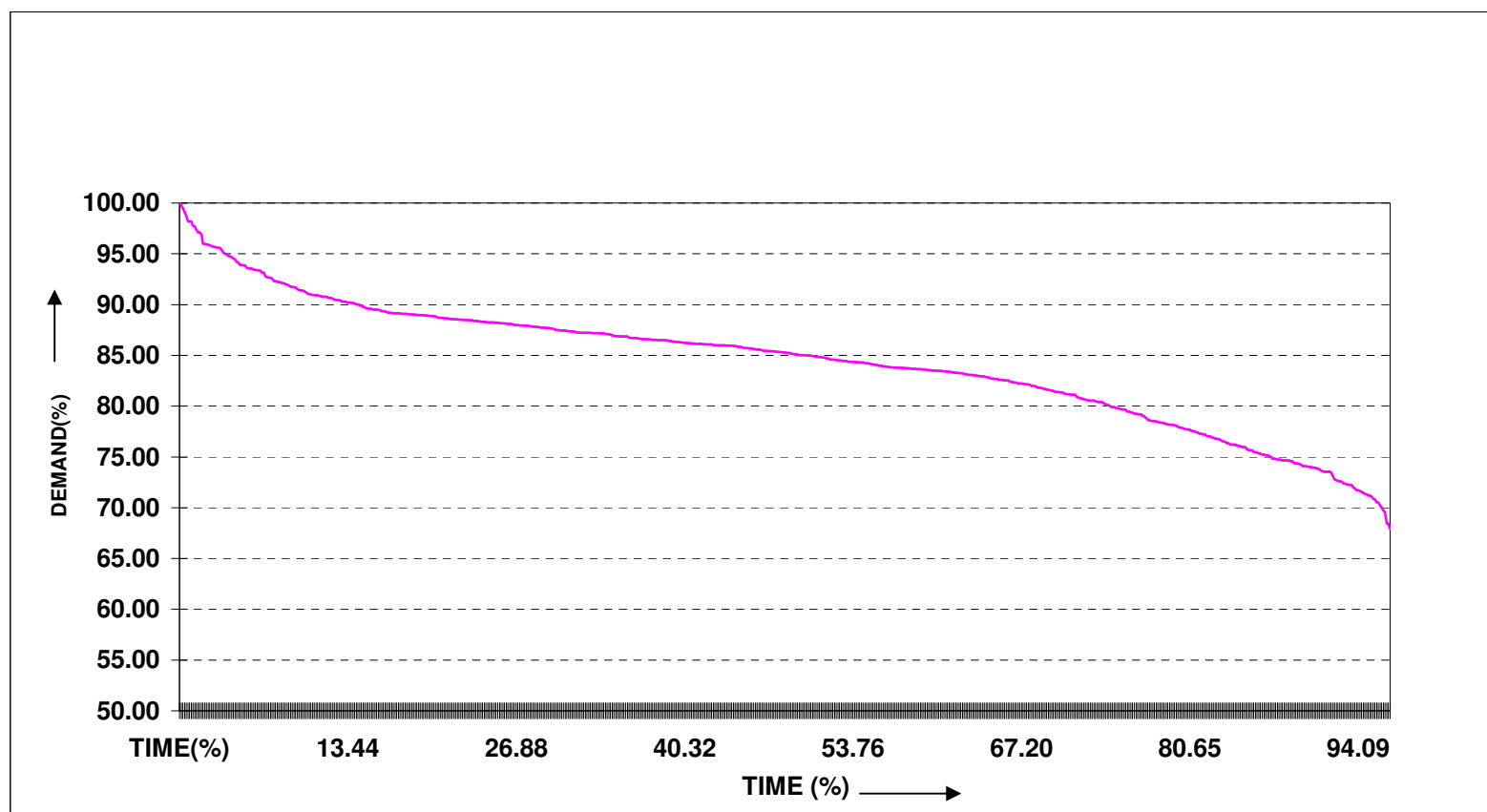


माह सितम्बर 2009 का क्षेत्रीय भार वक्र

Monthly Load Duration curve for the month of September 2009

Maximum Demand = 32465 MW

Minimum Demand = 22034 MW



सितम्बर 2009 माह के लिए दिनवार अधिकतम कमी
Daily Maximum Shortages in September 2009

