



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

02/Feb/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 02/Feb/2012 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	128.972	253.647	1) Gujrat	4.043	11.415
2) Hydro	8.337	16.335	2) Madhya Pradesh	16.941	36.601
3) Gas	12.380	25.454	3) Chattisgarh	12.000	23.640
Total MSGENCO	149.689	295.436	4) Maharashtra	45.017	93.061
B) OTHERS			5) Goa	-6.166	-12.499
1) JSW JAIGAD	19.571	42.499	6) TAPS 1&2 Injection	7.831	15.640
2) WPCL	7.443	14.531	7) RGPPL Injection	25.997	50.614
3) Other CPP / IPP	7.247	14.576	8) Pench (Excess)	-0.355	-0.518
4) Wind Generation	4.959	8.653	# Total Cent. Sector	105.308	217.954
5) PENCH (MS)	0.355	0.763	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.888	-20.399
1) TPCL Thermal	18.623	36.987	G) Bilateral Power *		
2) TPCL Hydro	5.637	11.283	1) MSEDCL Bilateral	23.520	58.699
TOTAL TPCL	24.260	48.270	Include PX	0.000	-0.524
3) REL Thermal	12.183	24.127	2) MUMBAI Bilateral	11.418	21.077
D) STATE			Include PX	-0.596	-2.483
1) Thermal (A1+C1+C3)	159.778	314.761	3) MUMBAI Schedule	11.418	21.077
2) Hydro (A2+B5+C2)	14.329	28.381	H) ENERGY CATERED (MUs)		
3) Gas (A3)	12.380	25.454	1) MSEDCL	283.684	574.013
4) Wind (B4)	4.959	8.653	2) TPCL	31.999	62.888
5) CPP (B1+B2+B3)	34.261	71.606	3) REL	15.329	30.512
TOTAL STATE	225.707	448.855	TOTAL STATE	331.012	667.413

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5448	5339	5198
MSGENCO Hydro	629	359	160
MSGENCO Gas	515	514	517
MSGENCO Total Generation	6592	6212	5875
Central Sector Receipt	4886	4832	3881
WIND	146	198	300
CPP / IPP	1433	1541	1341
Exchange with Mumbai	-573	-680	-331
MSEDCL DEMAND MET	12510	12153	11066
Load Shedding (LS)	1786	369	0
MSEDCL DEMAND (INCL. LS)	14296	12522	11066
TPCL GENERATION	1367	1186	533
REL GENERATION	527	527	395
TPCL+REL DEMAND	2467	2393	1259
STATE DEMAND MET	14977	14546	12325
Load Management (LM)	2339	3672	1615
Total Load Relief (LS+LM)	4125	4041	1615
UNRESTRICTED STATE DEMAND	19102	18587	13940
Frequency (Hz)	49.65	49.61	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 13.03 Hrs	49.25 Hz at 09.11 Hrs	49.78	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 02/Feb/2012

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	3.25	6.31	147	112	130
Unit 6	3.67	7.29	175	123	130
Unit 7	4.01	7.82	190	135	160
Total	10.92	21.42			420
Bhusawal					
Unit 2	4.10	8.32	185	160	180
Unit 3	4.14	8.32	185	165	180
Unit 4	0.00	0.00	0	0	0
Total	8.25	16.64			360
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	4.59	9.22	198	178	185
Unit 5	3.98	7.89	172	155	170
Unit 6	0.00	0.00	0	0	0
Unit 7	5.72	10.55	254	202	225
Total	14.28	27.66			580
Chandrapur					
Unit 1	3.67	7.23	158	148	160
Unit 2	4.13	8.09	176	168	165
Unit 3	4.25	8.16	193	155	160
Unit 4	4.94	9.78	210	200	210
Unit 5	10.13	19.94	470	390	410
Unit 6	9.93	19.27	430	395	410
Unit 7	9.59	18.96	435	360	400
Total	46.64	91.44			1915
Paras					
Unit 3	5.53	10.78	252	196	250
Unit 4	5.54	11.06	256	192	250
Total	11.07	21.84			500
Khaparkheda					
Unit 1	4.88	9.32	215	190	190
Unit 2	4.05	8.23	188	155	180
Unit 3	4.22	8.01	184	160	180
Unit 4	5.30	10.36	223	219	210
Unit 5	4.85	9.89	291	160	0
Total	23.31	45.81			760
Nasik					
Unit 3	5.02	10.00	220	175	210
Unit 4	4.82	9.62	211	168	210
Unit 5	4.68	9.22	205	172	210
Total	14.51	28.84			630
Uran					
All Units	12.38	25.45	520	512	510
Total	12.38	25.45			510
PENCH (MS)					
Pench (MS)	0.36	0.76	51	0	0
Total	0.36	0.76			0
Koyna					
Stage 1-2	1.36	2.76	145	40	600
Stage 4	0.02	0.02	20	0	250
Stage 3	0.45	0.61	160	0	320
Total	1.83	3.39			1170
Kovna 12&4 Total	1.38	2.78			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.47	0.94	20	19	20
VTRNA	0.71	1.46	61	0	60
TILLARI	0.36	0.74	60	0	60
BHTGR/VEER	0.10	0.19	4	4	4
BHIRA T.R.	0.32	0.66	81	0	80
RNGR+BHTSA	0.36	0.72	15	15	15
BHANDARDRA	0.62	1.25	26	26	27
ELDARY	0.33	0.65	14	13	14
SMLHY PTN	1.04	2.09	52	42	10
GHATGHAR	2.19	4.24	250	0	0
Total	6.50	12.95			290
Wind					
MalharPeth	0.48	0.62			
Vankuswadi	0.46	0.69			
ATIT	0.17	0.19			
Kale	0.16	0.28			
Satara	0.73	1.46			
Shirala	0.23	0.33			
K Mahankal	0.34	0.35			
Supa	0.11	0.25			
Vita	0.67	1.04			
Dondaicha	1.04	2.07			
Sakri	0.11	0.20			
Nandurbar	0.06	0.20			
Khandke	0.29	0.61			
Khaparale	0.12	0.34			
Total	4.96	8.65			
CPP					
JSW JAIGAD	19.57	42.50	900	751	825
WARDHA	7.44	14.53	334	254	330
Other CPPs	7.25	14.58			
Total	34.26	71.61			1155
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	0.00	0.00	0	0	0
Trombay 6	8.50	17.21	502	157	500
Trombay 7A	2.86	5.41	129	92	120
Trombay 7B	1.62	3.15	70	60	60
Trombay 8	5.65	11.22	250	175	250
TATA Hydro	5.64	11.28	448	0	447
Total	24.26	48.27			1377
REL					
1&2	12.18	24.13	529	388	500
Total	12.18	24.13			500
Cent Sect					
Share					4925
Total					4925

MS PG CL	Thermal	128.97	253.65			5165
	Thml+Gas	141.35	279.10			5675
	Hydro	8.34	16.34			1460
	Total	149.69	295.44			7135
State Total		225.71	448.86			15092

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 02/Feb/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAND WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS													
1	5380	160	517	6057	242	1306	4245	4083	-392	-362	11326	1917	11326	1472	14715	49.92
2	5217	161	517	5895	231	1313	4253	4015	-447	-283	11171	1869	11171	1324	14364	49.95
3	5198	160	517	5875	300	1341	4234	3881	-447	-331	11066	1615	11066	1259	13940	50.07
4	5229	166	517	5912	345	1346	4250	3737	-449	-305	11035	1803	11035	1224	14062	50.06
5	5203	160	517	5880	398	1341	4241	3914	-449	-296	11237	1823	11237	1227	14287	49.87
6	5287	206	517	6010	383	1346	4272	4136	-449	-133	11742	1938	11770	1351	15031	49.76
7	5310	266	517	6093	287	1461	4272	4017	-449	-171	11707	3138	12637	1586	16431	49.57
8	5321	399	517	6237	250	1487	4311	4499	-454	-233	12267	3858	13586	1760	17885	49.74
9	5319	565	517	6401	195	1497	4361	4360	-306	-279	12199	4076	13721	2008	18283	49.70
10	5366	597	514	6477	148	1489	4651	4701	-533	-449	12389	4309	14214	2289	18987	49.61
11	5385	555	514	6454	136	1501	4811	4764	-577	-549	12312	4255	14239	2448	19015	49.76
12	5448	629	515	6592	146	1433	4835	4886	-602	-573	12510	4125	14296	2467	19102	49.65
13	5414	607	515	6536	115	1494	4859	4731	-626	-602	12300	4179	14152	2465	18944	49.70
14	5468	512	520	6500	121	1484	4715	4836	-486	-499	12445	3859	14034	2357	18661	49.80
15	5493	496	512	6501	138	1488	4701	4883	-511	-530	12480	3478	13836	2371	18329	49.70
16	5503	449	516	6468	129	1484	4861	4928	-511	-541	12468	3310	13742	2382	18160	49.82
17	5467	358	513	6338	116	1485	4869	4457	-521	-589	11807	3357	12755	2367	17531	49.70
18	5455	207	516	6178	140	1511	4846	4016	-498	-688	11157	3479	11784	2335	16971	49.78
19	5387	291	513	6191	157	1544	5062	4465	-618	-749	11648	4101	12136	2348	18097	49.62
20	5339	359	514	6212	198	1541	5200	4832	-669	-680	12153	4041	12522	2393	18587	49.61
21	5409	377	513	6299	164	1410	5004	4540	-477	-620	11844	3964	12135	2260	18068	49.69
22	5467	249	515	6231	161	1377	4856	4223	-372	-555	11488	3756	11571	2073	17317	49.84
23	5489	225	519	6233	199	1308	4776	4212	-351	-413	11546	3290	11576	1897	16733	49.90
24	5418	183	518	6119	260	1274	4550	4192	-226	-458	11387	2660	11403	1668	15715	49.88
MUs	128.97	8.34	12.38	149.69	4.96	34.26	111.04	105.31	-11.42	-10.89	283.68	78.20	301.94	47.33	409.22	49.78

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 02/Feb/2012

Position as on 6.30 Hrs of 03/Feb/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	12/11/2011	21.25		Continued.	Annual Overhaul.	04/02/2012
Cent_Sect NTPC(K-1)	210	20/12/2011	13.44		Continued.	Annual Overhaul.	04/02/2012
Tata Trombay 5	500	11/01/2012	00.19		Continued.	Annual overhaul.	14/02/2012
FORCED OUTAGE							
Bhusawal Unit 4	500	17/10/2011	03.55		Continued.	Hand Tripped	29/02/2012
Dabhol 3B	230	12/12/2011	23.46		Continued.	Gas shortage.	
Dabhol 3A	230	13/12/2011	16.09		Continued.	Gas Shortage	
Dabhol 3X	290	13/12/2011	16.09		Continued.	Gas Shortage	
Cent_Sect NTPC(K-3)	210	28/12/2011	14.00		Continued.	CW Pump Problem	
CPP WPCL U-3	135	28/01/2012	07.48		Continued.	W/Dn,due to bottom ash problem.	
Parli Unit 6	250	31/01/2012	22.03		Continued.	BLR T/L.	03/02/2012
CPP JSW (J) U2	300	01/02/2012	21.39		Continued.	Lubricant system oil leakage.	
Koyana ST - IV 4	250	01/02/2012	22.15		Continued.	Attended Transormer oil leakage.	03/02/2012
Cent_Sect NTPC(V-4)	210	02/02/2012	08:52		Continued.	Boiler Tube Leakage.	04/02/2012

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Feb/2012

Position as on 6.30 Hrs of 03/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Padgha - Talegaon (PG)	02/02/2012	09:32	02/02/2012	18:22	Repair of Conductor.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali-Tarapur	29/12/2011	07:54		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temprrory reconfigured as Tarapur-Boisar ckt-II
Kalmeshwar - Pandurna	31/01/2012	12.06	02/02/2012	16:33	Retrofitting of relay testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Wardha - Akola - I	31/01/2012	21.57		Continued.	Over Voltage.
Dhule-Sar'Sarovar - II	01/02/2012	01.26		Continued.	Over Voltage.
Kolhapur-Mapusa-II	01/02/2012	21.11		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 315 MVA ICT-III @ Lonikand.	02/02/2012	08:43	02/02/2012	19:43	Replacement of 29D Isolator of 220 KV side.
400/220 KV 315 MVA ICT-I @ Parly.	02/02/2012	18:01	03/02/2012	00.20	Realy Retrofitting.LV side on TBC.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT-I @ Girawali	24/11/2011	10.46		Continued.	Augmentation of ICT BY 200 MVA ICT.
220/132 KV 150 MVA ICT @ Bhandara	28/12/2011	13.57		Continued.	Replacement of ICT by 200MVA (Up to 29/2/12)
Boiser - Borivali	29/12/2011	08.40		Continued.	Work of Conversion from D/C to M/C (60 Days Outage). Temporary reconfigured as Tarapur-Boisar ckt-II
Kalwa - Salshet - III	24/01/2012	11.35		Continued.	Replacement of 29A and B isolator, line taken on TBC.Upto 04.02.2012
Main Bus-II at Koradi	31/01/2012	12.09		Continued.	Isolator replacement work.
220/6.6KV,40MVA Stn..T/F-II at Korady	01/02/2012	16.35		Continued.	Replacement of 29B isolator.
Phursingi-Theur-II	02/02/2012	09:08	02/02/2012	14:59	Replacement of Isolator Blade.
220/100 KV 50 MVA ICT-II @ K'gaon	02/02/2012	09:13	02/02/2012	18:40	Erection of 220 KV Bus Isolator and stringing of twin bus.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	02/02/2012	09:14	02/02/2012	18:42	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon - Topworth	02/02/2012	09:20	02/02/2012	19:07	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon - Sonalloy	02/02/2012	09:25	02/02/2012	18:57	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon - Pirangut	02/02/2012	09:25	02/02/2012	20:00	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon - ONGC	02/02/2012	09:31	02/02/2012	19:05	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon - Dasturi	02/02/2012	09:33	02/02/2012	18:35	Erection of 220 KV Bus Isolator and stringing of twin bus.
220 KV Bus @ Kandalgaon	02/02/2012	09:47	02/02/2012	18:50	Erection of 220 KV Bus Isolator and stringing of twin bus.
Baramati Agro - Bhigwan	02/02/2012	10:25	02/02/2012	15:10	Q. M. Work.
Wardha-RLY TSS I	02/02/2012	11:00	02/02/2012	13:25	Tan Delta Meassurement.
Wardha-Rly.TSS-II	02/02/2012	13:40	02/02/2012	15:26	Tan Delta Meassurement.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 02/Feb/2012

Position as on 6.30 Hrs of 03/Feb/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Amravati - Achalpur	16/01/2012	10.10		Continued.	Main bkr.maint.work.
Jangamwadi - Kandhar	01/02/2012	10.58		Continued.	Replacement of old SF6 Ckt. breaker.
Voltage Level : 100KV			Outage Type PLANNED OUTAGE		
Chinchwad - Talegaon	25/11/2011	11.29		Continued.	Line Strengthening.
Kandalgaon-Roha-I	02/02/2012	09:05	02/02/2012	18:58	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon-Roha-II	02/02/2012	09:05	02/02/2012	19:35	Erection of 220 KV Bus Isolator and stringing of twin bus.
Kandalgaon - Mhasale	02/02/2012	09:07	02/02/2012	18:45	Erection of 220 KV Bus Isolator and stringing of twin bus.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220KV,500MVA ICT-II at Khaparkheda.	20/11/2011	08.02		Continued.	Due to low nitrogen pressure fire alarm received.
400/220KV 500MVA ICT-III at Dhule	07/01/2012	20.04	02/02/2012	13:01	Charged from HV side kept on humming.
Karad - Kolhapur - II	31/01/2012	21.10	02/02/2012	08:48	Over Voltage.
Bhusawal- Aurangabad	01/02/2012	17.40	02/02/2012	08:41	Over Voltage.
Bhusawal- Aurangabad	02/02/2012	17:00		Continued.	Over Voltage.
Karad - Kolhapur - I	02/02/2012	21:48		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chandrapur - Warora	29/01/2012	04.56		Continued.	To control Wardha-Warora Hinganghat line loading.
Nasik-Bablsr - I	02/02/2012	09:28		Continued.	To Control Bus Coupler loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	21/01/2012	03.36		Continued.	Buccolz Alarm Persist.
400/220 KV 315 MVA ICT-II @ Lonikand	02/02/2012	12:31	02/02/2012	12:38	"B" Bus Operated.
New Koyna - Karad - I	02/02/2012	14:48	02/02/2012	16:16	Bus bar protection operated at 400 KV New Koyna bay.
400/220KV 315MVA ICT-II @ New Koyna	02/02/2012	14:48	02/02/2012	16:05	Bus bar protection operated at 400 KV New Koyna bay.
Main Bus- I @ New Koyna	02/02/2012	14:48	02/02/2012	16:04	Bus bar protection operated at 400 KV New Koyna bay.
New Koyna - StageIV - I	02/02/2012	14:48	02/02/2012	16:54	Bus bar protection operated at 400 KV New Koyna bay.
Dabhol - New Koyna - I	02/02/2012	14:48	02/02/2012	16:23	Bus bar protection operated at 400 KV New Koyna bay.
New Koyna - Jaigad - II	02/02/2012	14:48	02/02/2012	16:48	Bus bar protection operated at 400 KV New Koyna bay.
Voltage Level : 220KV			Outage Type TRIPPED		
220/100KV 200MVA ICT-III at Kalwa	03/04/2011	16.00		Continued.	Buchholz Trip,Diff.Prot.operated,PRV tripped(Failed).
Nagothane-IPCL	02/02/2012	14:48	02/02/2012	15:05	Distance Protection Tripped.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 03/Feb/2012

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	150
Unit 6	210	155
Unit 7	210	185
	620	490
Bhusawal		
Unit 2	210	180
Unit 3	210	180
Unit 4	500	
	920	360
Parli		
Unit 3	210	0
Unit 4	210	195
Unit 5	210	130
Unit 6	250	0
Unit 7	250	240
	1130	565
Chandrapur		
Unit 1	210	160
Unit 2	210	155
Unit 3	210	150
Unit 4	210	210
Unit 5	500	475
Unit 6	500	400
Unit 7	500	420
	2340	1970
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	200
Unit 2	210	180
Unit 3	210	180
Unit 4	210	210
Unit 5	500	
	1340	770
Nasik		
Unit 3	210	210
Unit 4	210	210
Unit 5	210	210
	630	630
Uran		
All Units	852	510
	852	510
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	20
VTRNA	60	60
TILLARI	60	60

Generating unit	Derated Capacity (MW)	OLC (MW)
BHTGR/VEER	21	4
BHIRA T.R.	80	80
RNGR+BHTSA	20	15
BHANDARDRA	45	26
ELDARY	23	14
SMLHY PTN	12	11
GHATGHAR	250	0
	611	290
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	825
WARDHA	405	330
Other CPPs	0	
	1005	1155
Tata		
Trombay 4	150	0
Trombay 5	500	0
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1377
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	4944
	3455	4944

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