



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

State Load Dispatch Center, Airoli

Daily system Report

for

25/Feb/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 25/Feb/2014 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	122.833	3073.872	1) Gujrat	-1.836	111.561
2) Hydro	16.343	438.839	2) Madhya Pradesh	23.156	439.274
3) Gas	3.804	163.397	3) Chattisgarh	9.080	224.050
Total MSGENCO	142.980	3676.108	4) Maharashtra Net	85.712	2139.049
B) 1) JSW JAIGAD	19.353	475.300	(Incl. 765kV Solapur-Raichur)	-2.200	-18.420
2) WPCL	2.397	67.341	5) Goa	-6.599	-143.414
3) ADANI	28.100	741.620	6) TAPS 1&2 Injection	7.514	177.155
4) Other CPP / IPP	18.691	452.670	7) RGPPL Injection	0.000	0.000
5) Wind Generation	5.444	145.768	8) Pench (Excess)	-0.252	-9.605
6) PENCH (MS)	0.252	9.657	# Total Cent. Sector	116.775	2938.070
7) SOLAR	1.119	26.544	F) Other Exchanges		
C) 1) TPCL Thermal	14.854	368.575	1) With TPCL (Excess)	-22.211	-432.514
2) TPCL Hydro	4.966	91.692	G) Bilateral Power *		
TOTAL TPCL	19.820	460.267	1) MSEDCL Bilateral	15.046	368.712
3) REL Thermal	11.753	292.921	Include PX	-0.555	-5.639
D) STATE			2) MUMBAI Bilateral	17.838	363.597
1) Thermal (A1+C1+C3)	149.440	3735.368	Include PX	3.421	109.522
2) Hydro (A2+B6+C2)	21.561	540.188	3) MUMBAI Schedule	17.838	369.117
3) Gas (A3)	3.804	163.397	H) ENERGY CATERED (MUs)		
4) Wind (B5)	5.444	145.768	1) MSEDCL	312.900	8100.564
5) CPP/IPP (B1+B2+B3+B4)	68.541	1023.411	2) TPCL	35.012	766.009
6) SOLAR (B7)	1.119	26.544	3) REL	18.770	419.657
TOTAL STATE	249.909	5634.676	TOTAL STATE	366.682	9286.230

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 4 Hrs
MSGENCO Thermal	5343	5242	4706
MSGENCO Hydro	1256	1398	214
MSGENCO Gas	164	151	160
MSGENCO Total Generation	6763	6791	5080
Central Sector Receipt	5328	5055	4311
WIND	208	156	256
CPP / IPP	2917	3017	2278
SOLAR	152	41	0
Exchange with Mumbai	-1135	-1169	-561
MSEDCL DEMAND MET	14260	13908	11364
Load Shedding	900	510	84
MSEDCL DEMAND	15160	14418	11448
TPCL GENERATION	1154	1002	494
R-INFRA GENERATION	523	521	390
TPCL+R-INFRA DEMAND	2812	2692	1445
STATE DEMAND MET	17072	16600	12809
STATE DEMAND	17972	17110	12893
Frequency (Hz)	50.03	49.99	50.03

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.35 Hz at 23.55 Hrs	49.74 Hz at 09.07 Hrs	50	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 25/Feb/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	50.03	0	0	0
Unit 6	3.43	29.40	160	130	150
Unit 7	3.60	89.30	167	140	150
Total	7.03	168.74			300
Bhusawal					
Unit 2	0.79	72.87	150	0	0
Unit 3	0.00	87.11	0	0	0
Unit 4	0.00	214.36	0	0	0
Unit 5	8.16	172.36	415	295	344
Total	8.95	546.70			344
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.13	74.51	163	0	160
Unit 5	3.51	95.02	155	135	145
Unit 6	4.76	125.91	250	170	190
Unit 7	4.83	123.05	250	180	190
Total	16.22	418.49			685
Chandrapur					
Unit 1	3.23	81.23	138	130	140
Unit 2	3.55	7.16	165	118	150
Unit 3	4.36	105.80	190	169	190
Unit 4	2.01	105.76	207	0	0
Unit 5	10.20	51.77	460	380	400
Unit 6	9.57	217.06	430	360	400
Unit 7	8.88	205.75	423	313	350
Total	41.81	774.53			1630
Paras					
Unit 3	5.32	129.54	257	193	250
Unit 4	5.19	120.27	238	183	250
Total	10.51	249.81			500
Khaparkheda					
Unit 1	3.75	100.18	180	125	180
Unit 2	3.72	91.96	170	135	180
Unit 3	3.71	97.32	198	0	140
Unit 4	4.28	107.55	185	167	190
Unit 5	10.15	259.88	500	380	500
Total	25.61	656.89			1190
Nasik					
Unit 3	4.06	64.84	190	160	190
Unit 4	4.34	94.97	195	171	190
Unit 5	4.32	98.90	194	164	190
Total	12.71	258.71			570
Uran					
All Units	3.80	163.40	164	151	160
Total	3.80	163.40			160
PENCH (MS)					
Pench (MS)	0.25	9.66	53	0	
Total	0.25	9.66			
Koyna					
Stage 1-2	3.52	88.71	370	40	450
Stage 4	5.69	172.56	842	0	250
Stage 3	2.19	55.85	278	0	320
Kovna 12&4 Total	9.20	261.27			700

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	11.39	317.11			1020
Hydro					
KDPH	0.45	13.08	19	18	18
VTRNA	0.00	0.00	0	0	0
TILLARI	0.41	9.96	64	0	60
BHTGR/VEER	0.00	1.24	0	0	5
BHIRA T.R.	0.17	3.09	40	0	40
RNGR+BHTSA	0.34	8.66	14	14	15
BHANDARDRA	0.83	5.75	35	34	30
ELDARY	0.00	5.34	0	0	
SMLHY PTN	0.91	24.55	45	35	11
GHATGHAR	1.85	50.05	250	0	
Total	4.95	121.73			179
Wind					
MalharPeth	0.15	4.96			
Vankuswadi	0.32	9.30			
ATIT	0.02	1.42			
Kale	0.08	3.13			
Satara	1.39	39.24			
Shirala	0.10	3.57			
K Mahankal	0.02	0.88			
Supa	0.12	2.57			
Vita	1.03	22.28			
Dondaicha	1.48	39.38			
Sakri	0.11	5.32			
Nandurbar	0.09	3.49			
Khandke	0.38	5.26			
Khaparale	0.14	4.96			
Total	5.44	145.77			
CPP					
JSW JAIGAD	19.35	475.30	866	637	825
WARDHA	2.40	67.34	103	94	95
Adani	28.10	741.62	1331	768	1234
Other CPPs	18.69	452.67			465
Total	68.54	1736.93			2619
SOLAR					
Total	1.12	25.51			
Total	1.12	25.51			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	10.50	257.86	502	313	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.75	70.52	115	114	120
Trombay 7B	1.60	40.19	68	66	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	4.97	91.69	471	0	447
Total	19.82	460.27			1127
REL					
1&2	11.75	292.92	526	389	500
Total	11.75	292.92			500
Cent Sect					
Share					5120
Total					5120
MS PG CL	Thermal	122.83	3073.87		5219
	Thml+Gas	126.64	3237.27		5379
	Hydro	16.34	438.84		1199
	Total	142.98	3676.11		6578
State Total		249.91	5634.68		15944

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Feb/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4592	217	159	4968	320	2710	0	4562	4646	-477	-816	11828	38	11866	1702	13568	49.97
2	4572	221	159	4952	309	2669	0	4521	4497	-475	-676	11751	83	11834	1563	13397	49.98
3	4667	226	160	5053	306	2552	0	4452	4798	-455	-600	12109	84	12193	1484	13677	49.99
4	4706	214	160	5080	256	2278	0	4438	4311	-462	-561	11364	84	11448	1445	12893	50.03
5	4764	166	160	5090	318	2460	0	4455	4560	-468	-576	11852	84	11936	1465	13401	49.98
6	4836	156	161	5153	350	2793	0	4654	4912	-553	-650	12558	114	12672	1571	14243	50.00
7	4973	433	161	5567	366	2855	1	4666	4819	-603	-585	13023	727	13750	1795	15545	49.93
8	5067	573	161	5801	357	2889	12	4674	4828	-620	-629	13258	1043	14301	1964	16265	49.96
9	5258	1015	159	6432	332	2930	47	4600	4595	-670	-762	13574	927	14501	2234	16735	49.98
10	5360	1371	158	6889	326	2926	100	4780	4982	-749	-905	14318	727	15045	2531	17576	49.96
11	5329	1150	164	6643	268	2949	151	4988	5285	-938	-1123	14210	766	14976	2761	17737	49.99
12	5343	1256	164	6763	208	2917	152	5073	5328	-1009	-1135	14260	900	15160	2812	17972	50.03
13	5188	1173	161	6522	135	3073	176	5045	5324	-1010	-1129	14108	1033	15141	2805	17946	50.03
14	5200	1232	161	6593	125	2987	166	4925	5294	-888	-1016	14149	897	15046	2670	17716	50.02
15	5197	1553	161	6911	112	2929	145	4858	5019	-857	-1048	14068	648	14716	2695	17411	50.00
16	5221	1787	151	7159	116	3129	108	4896	5003	-863	-1136	14379	560	14939	2696	17635	50.01
17	5242	1398	151	6791	156	3017	41	4898	5055	-869	-1169	13908	510	14418	2692	17110	49.99
18	5289	302	154	5745	156	3002	17	4627	4639	-868	-1287	12325	206	12531	2652	15183	50.02
19	5361	377	154	5892	118	2925	3	4587	4792	-913	-1205	12578	91	12669	2614	15283	49.97
20	5431	670	157	6258	196	3010	0	4934	5018	-894	-1034	13501	86	13587	2650	16237	49.99
21	5404	351	157	5912	173	2877	0	4899	4992	-957	-1068	12891	54	12945	2505	15450	50.03
22	5265	144	157	5566	182	3012	0	4532	4795	-796	-1048	12507	27	12534	2329	14863	50.11
23	5267	199	157	5623	142	2820	0	4336	4593	-728	-1106	12072	14	12086	2179	14265	50.01
24	5301	159	157	5617	117	2832	0	4552	4690	-715	-947	12309	6	12315	1970	14285	50.12
MUs	122.83	16.34	3.80	142.98	5.44	68.54	1.12	112.95	116.78	-17.84	-22.21	312.90	9.71	322.61	53.78	376.39	50.00

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 25/Feb/2014

Position as on 6.30 Hrs of 26/Feb/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna Unit 2	75	10/02/2014	12.10		Continued.	Pressure Shaft work	01/03/2014
Koyna Unit 1	75	10/02/2014	12.25		Continued.	Pressure Shaft work	01/03/2014
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Tata Trombay 6	500	19/07/2013	23.54		Continued.	Economic shut down.	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
CPP VIPL	300	02/10/2013	00.45		Continued.	Turbine bearing vibration high.	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Uran Unit 8	108	03/01/2014	14.06		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
Uran Unit B0	120	29/01/2014	17.50		Continued.	Gas Shortage.	
Uran Unit 7	108	29/01/2014	18.05		Continued.	Gas Shortage.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-4	135	12/02/2014	16.53		Continued.	Esp Prob.	
CPP Adani U1	660	15/02/2014	20.59		Continued.	Turbine Problem.	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
Khaparkheda Unit 3	210	22/02/2014	14.48	25/02/2014	01.30	BLR T/L.	
CPP JSW (J) U4	300	22/02/2014	19.30		Continued.	Non Schedule.	
Bhusawal Unit 2	210	22/02/2014	3.01	25/02/2014	17.06	PA fan temp.high	
Koradi Unit 5	200	23/02/2014	04.04		Continued.	ID Fan Problem.	
Chandrapur Unit 4	210	23/02/2014	14.04	25/02/2014	10.13	PA Fan Problem.	
Bhusawal Unit 4	500	24/02/2014	10.40		Continued.	Main Steam Line Leakage	
Bhusawal Unit 3	210	24/02/2014	18.30		Continued.	Economiser Tube Leakage	
CPP JSW (J) U2	300	24/02/2014	21.05	25/02/2014	00.04	Electrical Fault	
Uran Unit 5	108	25/02/2014	00.05		Continued.	Gas Shortage	
Parli Unit 4	210	25/02/2014	21.06		Continued.	Water Shortage.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 25/Feb/2014

Position as on 6.30 Hrs of 26/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Borivali -Tarapur	07/12/2013	10.15		Continued.	MUMBAI STRENGTHENING WORK
Mahalakshmi - Amona	25/02/2014	08.50	25/02/2014	17.18	Insulator Replacement Work.
Tillary-Amona	25/02/2014	09.01	25/02/2014	17.25	Insulator Replacement Work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
A'bad-Talegaon PG-1	21/02/2014	11.17		Continued.	over voltage
Kolhapur-Mapusa-II	24/02/2014	13.16	25/02/2014	08.36	Over Voltage
Dhule-Sar'Sarovar - II	24/02/2014	22.20	25/02/2014	07.55	Over Voltage
Kolhapur - Mapusa - I	25/02/2014	16.39		Continued.	Over Voltage.
Dhule-Sar'Sarovar - I	25/02/2014	22.08		Continued.	Over Voltage
Talegaon PG- Aurangabad - II	25/02/2014	22.53		Continued.	Over Voltage
Voltage Level : 500KV			Outage Type TRIPPED		
765KV Akola II - Tiroda - I	26/02/2014	01.13		Continued.	Distance Protection
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Lonikand Ckt.I Main CB.at Lonikand II	22/02/2014	1032		Continued.	Repl.of CB under Jica II,line taken on TBC up to 27.02.14
Newkoyna - Jaigad - I	25/02/2014	10.23	25/02/2014	19.22	Taken on TBC For Braeker Timing and CRM.
Bus Coupler @ Bhusawal	25/02/2014	10.30		Continued.	For Replacement Of OLD MOCB Under Jaica-2 Outage.
Akola - Indiabull (Nandgaonpeth)	25/02/2014	13.08	25/02/2014	15.13	Hot Spot
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Pusad-Nanded	05/12/2013	06.03		Continued.	220KV Ghatodi S/S LILO Work.
Ghodbandar - Bhoisor (MSETCL)	07/12/2013	10.38		Continued.	MUMBAI STRENGTHENING WORK
Borivali - Ghodbandar - II	05/02/2014	10.14		Continued.	Tower Erection of Loc.8 & M/C Stringing.
Bhusawal - Chalisgaon - II	21/02/2014	9.01	25/02/2014	19.35	restringing work
Lote - Dasturi	24/02/2014	09.00		Continued.	Erection and commissioning of CB and CT
220/33 KV 100 MVA T/F - I at Aarey	25/02/2014	08.30		Continued.	A.M.work.
220/100KV 200MVA ICT-III at Kalwa	25/02/2014	09.22	25/02/2014	19.33	SFRA Tan Delta Of Bushing.
Vita - Karad II	25/02/2014	10.31	25/02/2014	13.20	Q.M Work.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
220/100KV 200 MVA ICT III at Borivali	24/02/2014	15.58		Continued.	Repl.of Relay and control panel
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol - Nagothane - I	05/02/2014	17.37		Continued.	Over Voltage.
New Koyna - Dabhol - I	06/02/2014	00.02		Continued.	Over Voltage.(RFC 20.35 Hrs on 16.02.14)
Karad - Kolhapur - II	24/02/2014	16.10	25/02/2014	07.25	Over Voltage
Karad-Jaigad I	24/02/2014	16.52	25/02/2014	09.13	Over Voltage
Bhusawal- Aurangabad	24/02/2014	17.50	25/02/2014	10.05	Over Voltage
Lonikand- Koyna Stage IV	24/02/2014	21.20	25/02/2014	07.45	Over Voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Feb/2014

Position as on 6.30 Hrs of 26/Feb/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - II	25/02/2014	16.06		Continued.	Over Voltage.
Karad-Jaigad I	25/02/2014	16.37		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/02/2014	18.43		Continued.	Over Voltage
Lonikand- Koyna Stage IV	25/02/2014	21.10		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - II	10/02/2014	19.10		Continued.	To avoid O/L Paras-Chikhali line
Voltage Level : 220KV			Outage Type TRIPPED		
Talandge - Sawantwadi - II.	29/10/2013	17.30		Continued.	Dist Prot.
Khaperkheda-Purti	23/02/2014	15.46		Continued.	3Normal Towers Bend Near Tatol Due to Stormy Weather.
K'Kheda-Butobori III	23/02/2014	15.46		Continued.	3Normal Towers Bend Near Tatol Due to Stormy Weather.
Voltage Level : 132KV			Outage Type TRIPPED		
Kanhan - Mouda	23/02/2014	16.35		Continued.	Stormy Weather 1Tower bend near Tarsa Village.
Bhandara-Mouda	23/02/2014	16.35		Continued.	Stormy Weather 1Tower bend near Tarsa Village.
Amravati - Tiwsa	25/02/2014	00.43	25/02/2014	13.25	Sparking on Bus Section Isolator
Dondaicha - Nandurbar	25/02/2014	16.55	25/02/2014	17.10	Distance protection

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 26/Feb/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	140
Unit 7	210	150
	620	290
Bhusawal		
Unit 2	210	150
Unit 3	210	0
Unit 4	500	0
Unit 5	500	344
	1420	494
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	161
Unit 6	250	180
Unit 7	250	180
	1130	521
Chandrapur		
Unit 1	210	140
Unit 2	210	160
Unit 3	210	190
Unit 4	210	210
Unit 5	500	450
Unit 6	500	430
Unit 7	500	400
	2340	1980
Paras		
Unit 3	250	250
Unit 4	250	250
	500	500
Khaparkheda		
Unit 1	210	180
Unit 2	210	180
Unit 3	210	190
Unit 4	210	190
Unit 5	500	500
	1340	1240
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	160
	852	160
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	450
Stage 4	1000	250
Stage 3	320	320
	1920	1020
Hydro		
KDPH	40	18
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	15
BHANDARDRA	45	30
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	173
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	1200	782
WARDHA	405	95
Adani	1980	1234
Other CPPs	300	465
	3885	2576
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	0
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1127
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5381
	3455	5381