



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

State Load Dispatch Center, Airoli

Daily system Report

for

23/Aug/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 23/Aug/2014 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	89.309	1996.405	1) Gujrat	4.758	123.499
2) Hydro	16.642	381.032	2) Madhya Pradesh	11.597	313.587
3) Gas	10.022	185.403	3) Chattisgarh	7.060	145.720
Total MSGENCO	115.973	2562.840	4) Maharashtra Net	78.798	1789.773
B) 1) JSW JAIGAD	26.916	436.374	(Incl. 765kV Solapur-Raichur)	-2.302	-168.973
2) WPCL	4.729	110.117	5) Goa	-7.772	-137.923
3) ADANI	55.039	1000.092	6) TAPS 1&2 Injection	7.424	169.854
4) Other CPP / IPP	20.638	389.109	7) RGPPL Injection	0.000	0.000
5) Wind Generation	2.878	532.632	8) Pench (Excess)	-0.697	-6.886
6) PENCH (MS)	0.697	6.886			
7) SOLAR	0.775	19.117	# Total Cent. Sector	101.168	2397.624
C) 1) TPCL Thermal	15.236	342.368	F) Other Exchanges		
2) TPCL Hydro	6.141	107.438	1) With TPCL (Excess)	-24.927	-545.614
TOTAL TPCL	21.377	449.806	G) Bilateral Power *		
3) REL Thermal	10.914	282.541	1) MSEDCL Bilateral	46.236	673.937
D) STATE			Include PX	0.000	128.050
1) Thermal (A1+C1+C3)	115.459	2621.314	2) MUMBAI Bilateral	22.340	515.877
2) Hydro (A2+B6+C2)	23.480	495.356	Include PX	2.270	39.439
3) Gas (A3)	10.022	185.403	3) MUMBAI Schedule	23.866	520.176
4) Wind (B5)	2.878	532.632	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	107.322	1935.692	1) MSEDCL	303.886	6909.177
6) SOLAR (B7)	0.775	19.117	2) TPCL	36.212	809.549
TOTAL STATE	259.936	5789.514	3) REL	21.006	468.413
			TOTAL STATE	361.104	8187.139

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 21 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3733	3678	3709
MSGENCO Hydro	987	1930	69
MSGENCO Gas	404	425	432
MSGENCO Total Generation	5124	6033	4210
Central Sector Receipt	5033	4453	3601
WIND	50	91	200
CPP / IPP	4305	4132	4408
SOLAR	97	0	0
Exchange with Mumbai	-1229	-1294	-838
MSEDCL DEMAND MET	13380	13468	11605
Load Shedding	67	85	51
MSEDCL DEMAND	13447	13553	11656
TPCL GENERATION	1141	1026	485
R-INFRA GENERATION	522	264	456
TPCL+R-INFRA DEMAND	2892	2584	1779
STATE DEMAND MET	16272	16052	13384
STATE DEMAND	16339	16137	13435
Frequency (Hz)	50.00	49.92	49.83

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.09 Hz at 08.47 Hrs	49.52 Hz at 00.00 Hrs	49.91	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 23/Aug/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	3.61	49.39	170	135	155
Unit 7	3.65	73.27	171	125	140
Total	7.26	122.66			295
Bhusawal					
Unit 2	0.50	23.58	125	0	0
Unit 3	3.21	61.46	145	120	130
Unit 4	0.00	39.45	0	0	0
Unit 5	8.71	188.78	395	325	320
Total	12.42	313.27			450
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	0.00	0	0	0
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	3.88	0	0	0
Unit 7	0.00	2.03	0	0	0
Total	0.00	5.91			0
Chandrapur					
Unit 1	2.58	66.16	110	102	120
Unit 2	3.58	76.12	154	142	150
Unit 3	3.49	69.39	163	124	170
Unit 4	0.00	66.15	0	0	0
Unit 5	9.80	171.44	430	360	450
Unit 6	8.69	158.70	400	320	380
Unit 7	8.83	162.10	396	344	425
Total	36.97	770.06			1695
Paras					
Unit 3	0.00	36.95	0	0	0
Unit 4	5.18	113.76	228	198	230
Total	5.18	150.71			230
Khaparkheda					
Unit 1	3.40	45.04	165	110	170
Unit 2	3.50	58.76	160	130	170
Unit 3	3.65	88.78	184	140	170
Unit 4	3.49	87.76	154	138	170
Unit 5	6.72	132.79	320	230	325
Total	20.75	413.13			1005
Nasik					
Unit 3	3.87	36.68	180	140	190
Unit 4	0.00	88.15	0	0	0
Unit 5	2.86	95.84	160	0	190
Total	6.73	220.67			380
Uran					
All Units	10.02	185.40	434	400	425
Total	10.02	185.40			425
PENCH (MS)					
Pench (MS)	0.70	6.89	55	0	
Total	0.70	6.89			
Koyna					
Stage 1-2	3.67	98.68	495	40	600
Stage 4	7.82	139.70	1120	0	250
Stage 3	2.51	63.11	320	0	320
Kovna 12&4 Total	11.49	238.37			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	14.00	301.48			1170
Hydro					
KDPH	0.00	0.00	0	0	0
VTRNA	0.00	6.46	0	0	0
TILLARI	0.19	13.52	63	0	14
BHTGR/VEER	0.10	2.55	5	4	10
BHIRA T.R.	0.48	8.88	81	0	40
RNGR+BHTSA	0.00	0.85	0	0	0
BHANDARDRA	0.48	10.47	20	19	20
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.20	19.06	16	5	0
GHATGHAR	1.19	17.76	250	0	0
Total	2.64	79.56			84
Wind					
MalharPeth	0.11	16.52			
Vankuswadi	0.19	28.03			
ATIT	0.02	4.09			
Kale	0.10	11.79			
Satara	1.70	252.20			
Shirala	0.12	16.12			
K Mahankal	0.01	1.59			
Supa	0.04	4.86			
Vita	0.32	53.48			
Dondaicha	0.02	76.82			
Sakri	0.01	16.11			
Nandurbar	0.03	14.30			
Khandke	0.12	19.44			
Khaparale	0.07	17.29			
Total	2.88	532.63			
CPP					
JSW JAIGAD	26.92	436.37	1209	906	1099
WARDHA	4.73	110.12	201	183	210
Adani	55.04	1000.09	2497	1510	2451
Other CPPs	20.64	369.07			735
Total	107.32	1915.65			4495
SOLAR					
Total	0.78	18.35			
Total	0.78	18.35			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.11	252.03	504	318	500
Trombay 6	0.00	0.00	0	0	0
Trombay 7A	2.58	56.54	115	82	120
Trombay 7B	1.55	33.80	68	56	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.14	107.44	455	0	447
Total	21.38	449.81			1127
REL					
1&2	10.91	282.54	523	262	500
Total	10.91	282.54			500
Cent Sect					
Share					4652
Total					4652
MS PG CL	Thermal	89.31	1996.40		4055
	Thml+Gas	99.33	2181.81		4480
	Hydro	16.64	381.03		1254
	Total	115.97	2562.84		5734
State Total		259.94	5789.51		16508

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 23/Aug/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	3738	89	416	4243	262	4473	0	4004	3742	-628	-800	11945	76	12021	2052	14073	49.79
2	3749	69	429	4247	259	4505	0	3845	3769	-513	-882	11922	51	11973	1876	13849	49.91
3	3709	69	432	4210	200	4408	0	3778	3601	-470	-838	11605	51	11656	1779	13435	49.83
4	3700	75	431	4206	184	4355	0	3685	3794	-475	-765	11798	51	11849	1724	13573	49.85
5	3610	99	434	4143	174	4496	0	3691	3804	-480	-651	11990	51	12041	1750	13791	49.87
6	3694	95	426	4215	143	4698	0	3848	3822	-555	-561	12347	69	12416	1835	14251	49.79
7	3777	88	427	4292	112	4695	3	3887	4106	-643	-647	12611	107	12718	1897	14615	49.92
8	3841	282	426	4549	99	4713	17	3960	4040	-768	-744	12727	107	12834	2013	14847	49.97
9	3747	578	421	4746	64	4559	48	4100	4174	-937	-856	12790	92	12882	2257	15139	49.93
10	3753	793	405	4951	56	4594	102	4516	4703	-1093	-1023	13423	69	13492	2559	16051	49.97
11	3743	832	403	4978	53	4554	102	4639	4793	-1256	-1182	13321	58	13379	2809	16188	50.00
12	3733	987	404	5124	50	4305	97	4648	5033	-1306	-1229	13380	67	13447	2892	16339	50.00
13	3779	975	403	5157	49	4654	101	4504	4467	-1287	-1254	13174	123	13297	2887	16184	50.00
14	3780	860	400	5040	58	4658	106	4387	4615	-1144	-1261	13216	72	13288	2789	16077	50.00
15	3797	855	401	5053	55	4726	73	4419	4354	-1111	-1240	13021	83	13104	2804	15908	50.00
16	3785	1012	400	5197	88	4671	35	4427	4415	-1128	-1193	13213	72	13285	2783	16068	49.91
17	3714	862	402	4978	115	4825	42	4255	4261	-1147	-1180	13041	74	13115	2732	15847	49.83
18	3730	138	410	4278	233	4723	17	4128	3890	-1176	-1191	11960	77	12037	2728	14765	49.90
19	3772	361	422	4555	167	4724	2	4066	4295	-1314	-1358	12438	77	12515	2741	15256	49.90
20	3698	1667	424	5789	127	4106	0	4318	4512	-1366	-1342	13245	90	13335	2740	16075	49.85
21	3678	1930	425	6033	91	4132	0	4443	4453	-1340	-1294	13468	85	13553	2584	16137	49.92
22	3653	1467	424	5544	99	4137	0	4316	4272	-1331	-1267	12838	78	12916	2397	15313	49.85
23	3584	1375	427	5386	81	4066	0	4285	4276	-1283	-1184	12676	53	12729	2335	15064	49.90
24	3545	1084	430	5059	59	3545	0	4034	3977	-1116	-985	11707	53	11760	2255	14015	49.93
MUs	89.31	16.64	10.02	115.97	2.88	107.3 2	0.74	100.18	101.17	-23.87	-24.93	303.86	1.79	305.64	57.22	362.86	49.91

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 23/Aug/2014

Position as on 6.30 Hrs of 24/Aug/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	
Bhusawal Unit 4	500	06/08/2014	13.56		Continued.	converted to AOH from 7/08/14	15/09/2014
Paras Unit 3	250	11/08/2014	14.08		Continued.	Annual Overhauling	
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	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	Coal Shortage	
Parli Unit 4	210	29/06/2014	10.19		Continued.	Water Shortage	
Parli Unit 5	210	30/07/2014	00.02		Continued.	Water Shortage.	
Tata Trombay 6	500	31/07/2014	21.34		Continued.	Economic Shut down.	
Parli Unit 7	250	01/08/2014	10.10		Continued.	Water Shortage.	
Parli Unit 6	250	01/08/2014	19.08		Continued.	Water Shortage.	
Uran Unit 6	108	07/08/2014	05.45		Continued.	Non Availability of AO.	
Chandrapur Unit 4	210	18/08/2014	07.44		Continued.	Boiler Tube Leakage	
CPP VIPL U-2	300	22/08/2014	04.44	23/08/2014	15.17	Wet Coal Bunkering Problem.	
Nasik Unit 4	210	22/08/2014	18.07	24/08/2014	16.55	B.T.L	
REL 2	250	23/08/2014	18.32		Continued.	Over Speed prot.	
Nasik Unit 5	210	23/08/2014	19.30		Continued.	Feed water valve leakage.	
CPP JSW (J) U1	300	23/08/2014	19.49		Continued.	Condenser T/L.	
CPP IPL U-2	270	23/08/2014	23.15		Continued.	Coal Shortage.	
Chandrapur Unit 2	210	24/08/2014	21.28		Continued.	Boiler Tube Leakage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Aug/2014

Position as on 6.30 Hrs of 24/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dabhol-Nagothane - II	19/08/2014	13.54		Continued.	Over Voltage.
Kolhapur-Mapusa-II	21/08/2014	16.52	23/08/2014	10.03	Over Voltage.
Kolhapur - Mapusa - II	23/08/2014	17.50		Continued.	Over Voltage.
765 KV Akola-II - Tiroda - I	23/08/2014	22.22	23/08/2014	23.10	To Synch.line from Tiroda end.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220KV 500MVA ICT-II at Warora	09/07/2014	14.35		Continued.	Attending CTR Fire System Nitrogen Leakage.
Padgha - Kharghar	24/08/2014	07.00	24/08/2014	12.13	Attending Hot Spot on C Bus R Ph PG Clam.
400/220 KV 300 MVA ICT-I @ Koradi	24/08/2014	12.36	24/08/2014	15.05	For Checking NDR Relay & Ckt Checking Work.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Mahape - Tifil	23/08/2014	09.33	23/08/2014	14.31	Relay testing work.
Chinchwad - Chakan	23/08/2014	09.45	23/08/2014	18.10	Repl.of insulators.
Ahmadnagar-Bose II	23/08/2014	10.00	23/08/2014	13.15	Q.M.Work.
Amalner-Bambhori	23/08/2014	11.50	23/08/2014	15.23	Tightening of loose jumpers.
Babaleshwar - Nagar - II	23/08/2014	12.08	23/08/2014	17.05	Red hot.
Butibori MIDC - Vipl ckt - IV (Gis Bay)	23/08/2014	12.45	23/08/2014	16.29	To attend hot spot.
Babaleshwar - Babaleshwar - II	23/08/2014	13.10	23/08/2014	15.43	Red hot.
Tifil-Trombay	23/08/2014	15.00	23/08/2014	18.39	Testing work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad-Jaigad I	21/08/2014	16.05		Continued.	Over Voltage.
Karad-Kolhapur-II	21/08/2014	16.45	23/08/2014	08.07	Over Voltage.
Bhusawal- Aurangabad	21/08/2014	17.36		Continued.	Over Voltage.
Karad - Lonikand	23/08/2014	00.10	23/08/2014	08.33	over voltage
Karad - Kolhapur - II	23/08/2014	16.42		Continued.	Over Voltage.
Lonikand- Koyna Stage IV	24/08/2014	23.23		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type TRIPPED		
Pusad - Ghatodi	12/06/2014	17.40		Continued.	At loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Nanded - Ghatodi	12/06/2014	17.40		Continued.	Dist.Prot,optd.Z-I at loc.no 27,28 D/C tower 220KV Nanded-Ghatodi & 220KV Pusad-Ghatodi Collapsed(Line taken in service Bypassing Ghatodi LILO at 18.58/13-6-2014)
Aurangabad-Jalna-II	02/07/2014	14.33		Continued.	Heavy Rain @ Aurangabad S/S load Trimming Schem Operated,Ckt Charged from Chikhli End @ 15.15 Hrs DT 2.7.14.
220/100 KV,200MVA ICT - I at Padgha	18/07/2014	02.37		Continued.	Diff.Prot

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 23/Aug/2014

Position as on 6.30 Hrs of 24/Aug/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Khaperkheda - Ambazari - II	22/08/2014	22.24	23/08/2014	12.59	Dist.Prot.
Nivali-N'koyna	23/08/2014	16.04	23/08/2014	16.22	Dist.Prot.
Nivali-Pawas	23/08/2014	16.04	23/08/2014	17.30	Dist.Prot.
Nagothane-PASCO	23/08/2014	16.45	23/08/2014	17.55	Dist.Prot.
Hingoli-Girawali	24/08/2014	06.00	24/08/2014	06.50	Distance Protection Operated,Z-I,B Ph.Tripped @ Hingoli End Only.
Kanhan - Bhandara - I	24/08/2014	16.15	24/08/2014	16.31	Distance Protection Operated,Z-I,B Ph to Earth,PDR Optd @ Bhandara,A/R Successful @ Kanhan End.
Voltage Level : 132KV			Outage Type TRIPPED		
Hingna-Khapri II	22/08/2014	23.52	23/08/2014	09.54	Dist.Prot.
Bhandara-Kardha	23/08/2014	00.00	23/08/2014	08.02	Dist.Prot.
Kardha - Tekepar	23/08/2014	00.00	23/08/2014	08.38	Dist.Prot.
Paithan-Rajpimpri	23/08/2014	17.44		Continued.	R-Ph PT Fuse failed.
Padegaon-Canpack	23/08/2014	20.53	24/08/2014	01.30	Dist.Prot.
Girwali - Gangakhed	24/08/2014	18.35	24/08/2014	18.50	Distance Protection Operated,Z-I,R Ph.
Voltage Level : 100KV			Outage Type TRIPPED		
Kalwa - Vashi - I	23/08/2014	18.18	23/08/2014	18.42	Dist.Prot.
Kalwa - Vashi - II	23/08/2014	18.18	23/08/2014	18.55	Dist.Prot.
Kandalgaon-Roha-I	24/08/2014	17.05	24/08/2014	17.45	Distance Protection,Z-I,R Ph,Due to Heavy Rain & Lighting.
Kandalgaon-Roha-II	24/08/2014	17.05	24/08/2014	17.55	Distance Protection,Z-I,R Ph,Due to Heavy Rain & Lighting.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 24/Aug/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	158
	620	313
Bhusawal		
Unit 2	210	0
Unit 3	210	130
Unit 4	500	0
Unit 5	500	400
	1420	530
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	0
Unit 6	250	0
Unit 7	250	0
	1130	0
Chandrapur		
Unit 1	210	115
Unit 2	210	155
Unit 3	210	155
Unit 4	210	0
Unit 5	500	370
Unit 6	500	360
Unit 7	500	350
	2340	1505
Paras		
Unit 3	250	0
Unit 4	250	220
	500	220
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	155
Unit 4	210	155
Unit 5	500	300
	1340	910
Nasik		
Unit 3	210	190
Unit 4	210	0
Unit 5	210	0
	630	190
Uran		
All Units	852	425
	852	425
PENCH (MS)		
Pench (MS)	53	0
	53	0
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0
VTRNA	60	0

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	5
BHIRA T.R.	80	40
RNGR+BHTSA	20	0
BHANDARDRA	45	14
ELDARY	23	0
SMLHY PTN	12	15
GHATGHAR	250	0
	611	137
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	545
WARDHA	405	210
Adani	2640	2451
Other CPPs	300	750
	4545	3956
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	250
	500	250
Cent Sect		
Share	3455	4078
	3455	4078