



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/May/2014 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	119.716	3095.495	1) Gujrat	1.688	188.109
2) Hydro	12.670	385.405	2) Madhya Pradesh	19.981	543.412
3) Gas	12.670	327.251	3) Chattisgarh	9.860	229.130
Total MSGENCO	145.056	3808.151	4) Maharashtra Net	92.824	2283.581
B) 1) JSW JAIGAD	27.433	529.020	(Incl. 765kV Solapur-Raichur)	-0.333	-12.181
2) WPCL	2.529	70.459	5) Goa	-6.813	-180.196
3) ADANI	40.649	1039.072	6) TAPS 1&2 Injection	7.323	192.302
4) Other CPP / IPP	23.919	582.575	7) RGPPL Injection	0.000	0.000
5) Wind Generation	14.464	331.547	8) Pench (Excess)	-0.250	-4.795
6) PENCH (MS)	0.250	4.795			
7) SOLAR	1.103	26.271	# Total Cent. Sector	124.613	3251.543
C) 1) TPCL Thermal	19.295	482.081	F) Other Exchanges		
2) TPCL Hydro	5.626	107.551	1) With TPCL (Excess)	-26.505	-669.256
TOTAL TPCL	24.921	589.632	G) Bilateral Power *		
3) REL Thermal	12.295	318.337	1) MSEDCL Bilateral	34.796	703.590
D) STATE			Include PX	4.687	112.089
1) Thermal (A1+C1+C3)	151.306	3895.913	2) MUMBAI Bilateral	26.200	706.762
2) Hydro (A2+B6+C2)	18.546	497.751	Include PX	2.251	72.234
3) Gas (A3)	12.670	327.251	3) MUMBAI Schedule	26.200	708.003
4) Wind (B5)	14.464	331.547	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	94.530	2221.126	1) MSEDCL	353.511	8974.177
6) SOLAR (B7)	1.103	26.271	2) TPCL	41.060	1005.001
TOTAL STATE	292.619	7299.859	3) REL	22.661	572.195
			TOTAL STATE	417.232	10551.373

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	5173	5180	4479
MSGENCO Hydro	1334	1294	154
MSGENCO Gas	571	435	580
MSGENCO Total Generation	7078	6909	5213
Central Sector Receipt	5973	5778	5186
WIND	224	370	938
CPP / IPP	3950	3701	3724
SOLAR	171	83	0
Exchange with Mumbai	-1350	-1397	-810
MSEDCL DEMAND MET	16046	15444	14251
Load Shedding	759	766	175
MSEDCL DEMAND	16805	16210	14426
TPCL GENERATION	1313	1279	738
R-INFRA GENERATION	521	517	409
TPCL+R-INFRA DEMAND	3184	3193	1957
STATE DEMAND MET	19230	18637	16208
STATE DEMAND	19989	19403	16383
Frequency (Hz)	49.90	49.93	50.06

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.17 Hz at 12.53 Hrs	49.53 Hz at 22.00 Hrs	49.95	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 26/May/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	3.74	82.36	167	143	170
Unit 7	0.00	83.54	0	0	0
Total	3.74	165.91			170
Bhusawal					
Unit 2	3.12	74.44	150	125	130
Unit 3	3.14	67.70	150	120	130
Unit 4	9.22	219.62	500	300	300
Unit 5	4.16	175.07	325	0	0
Total	19.63	536.83			560
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	3.51	34.66	152	143	150
Unit 5	3.25	97.58	163	0	145
Unit 6	4.74	121.78	250	185	185
Unit 7	3.89	94.71	250	0	190
Total	15.39	348.73			670
Chandrapur					
Unit 1	3.23	84.90	138	130	140
Unit 2	3.82	83.58	165	150	160
Unit 3	4.06	31.72	181	160	160
Unit 4	4.74	113.71	205	180	210
Unit 5	10.04	174.80	455	380	410
Unit 6	8.73	235.92	410	320	360
Unit 7	7.68	221.50	375	281	370
Total	42.30	946.13			1810
Paras					
Unit 3	5.15	103.73	232	190	210
Unit 4	5.71	121.02	250	220	250
Total	10.87	224.75			460
Khaparkheda					
Unit 1	3.33	91.41	150	120	140
Unit 2	0.00	80.92	0	0	0
Unit 3	3.67	84.58	160	140	140
Unit 4	3.60	88.34	156	141	140
Unit 5	8.40	220.55	440	317	350
Total	19.00	565.81			770
Nasik					
Unit 3	4.38	112.56	190	175	190
Unit 4	4.40	106.12	196	166	190
Unit 5	0.00	88.66	0	0	0
Total	8.79	307.34			380
Uran					
All Units	12.67	327.25	602	435	460
Total	12.67	327.25			460
PENCH (MS)					
Pench (MS)	0.25	4.80	27	0	
Total	0.25	4.80			
Koyna					
Stage 1-2	3.14	95.18	425	35	600
Stage 4	3.51	126.74	555	0	250
Stage 3	0.93	50.11	194	0	320
Kovna 12&4 Total	6.65	221.92			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	7.58	272.04			1170
Hydro					
KDPH	0.36	6.85	22	12	11
VTRNA	1.16	30.83	61	0	61
TILLARI	0.60	12.24	63	0	0
BHTGR/VEER	0.00	1.37	0	0	
BHIRA T.R.	0.15	6.84	40	0	40
RNGR+BHTSA	0.27	5.92	12	11	10
BHANDARDRA	0.00	9.59	0	0	
ELDARY	0.00	2.96	0	0	
SMLHY PTN	0.54	15.80	30	19	11
GHATGHAR	2.02	20.94	250	0	
Total	5.09	113.37			133
Wind					
MalharPeth	0.35	5.69			
Vankuswadi	0.56	12.70			
ATIT	0.08	1.37			
Kale	0.21	3.51			
Satara	5.18	109.60			
Shirala	0.40	6.42			
K Mahankal	0.03	0.78			
Supa	0.23	3.50			
Vita	1.20	27.42			
Dondaicha	4.02	114.07			
Sakri	0.56	15.06			
Nandurbar	0.45	10.76			
Khandke	0.57	7.42			
Khaparale	0.61	13.23			
Total	14.46	331.55			
CPP					
JSW JAIGAD	27.43	529.02	1208	904	1100
WARDHA	2.53	70.46	108	101	105
Adani	40.65	1039.07	1848	1351	1823
Other CPPs	23.92	582.58			915
Total	94.53	2221.13			3943
SOLAR					
Total	1.10	26.27			
Total	1.10	26.27			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.38	270.48	501	403	500
Trombay 6	3.74	100.99	156	155	500
Trombay 7A	2.63	69.91	124	76	120
Trombay 7B	1.54	40.70	69	53	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.63	107.55	471	0	447
Total	24.92	589.63			1627
REL					
1&2	12.30	318.34	521	409	500
Total	12.30	318.34			500
Cent Sect					
Share					5810
Total					5810
MS PG CL	Thermal	119.72	3095.50		4820
	Thml+Gas	132.39	3422.75		5280
	Hydro	12.67	385.40		1303
	Total	145.06	3808.15		6583
State Total		292.62	7299.86		18463

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/May/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	4544	183	600	5327	1252	3989	0	5261	5355	-960	-1048	14875	122	14997	2377	17374	50.06
2	4482	148	600	5230	1143	4058	0	5408	5288	-892	-948	14771	161	14932	2246	17178	50.04
3	4477	144	590	5211	1156	3949	0	5354	4908	-801	-862	14362	172	14534	2152	16686	50.07
4	4411	149	600	5160	1113	3603	0	5136	5205	-728	-786	14295	172	14467	2077	16544	50.06
5	4479	154	580	5213	938	3724	0	5119	5186	-771	-810	14251	175	14426	1957	16383	50.06
6	4699	149	590	5438	725	3913	0	5163	5223	-882	-764	14535	287	14822	2043	16865	50.01
7	4824	144	600	5568	514	3933	8	4669	4738	-929	-739	14046	683	14729	2066	16795	50.02
8	4862	219	602	5683	445	3982	30	4755	4969	-1011	-799	14334	891	15225	2148	17373	49.92
9	4934	452	591	5977	378	3944	70	4787	5253	-1124	-997	14649	850	15499	2357	17856	49.89
10	5009	913	582	6504	383	4088	120	5424	5407	-1203	-1160	15366	637	16003	2665	18668	49.91
11	4989	1007	575	6571	275	4148	129	5688	5851	-1310	-1148	15836	633	16469	2924	19393	49.81
12	5173	1334	571	7078	224	3950	171	5633	5973	-1314	-1350	16046	759	16805	3184	19989	49.90
13	5478	958	580	7016	208	3875	148	5485	5765	-1326	-1358	15654	860	16514	3192	19706	49.90
14	5531	1040	578	7149	200	3714	153	5308	5578	-1171	-1331	15463	741	16204	3163	19367	49.99
15	5474	1072	494	7040	244	3714	125	5441	5564	-1271	-1379	15308	624	15932	3191	19123	49.85
16	5180	1294	435	6909	370	3701	83	5487	5778	-1335	-1397	15444	766	16210	3193	19403	49.93
17	5112	694	435	6241	618	3811	48	5178	5053	-1380	-1409	14362	846	15208	3165	18373	50.00
18	5200	225	440	5865	801	3940	15	4671	4675	-1275	-1348	13954	623	14577	3041	17618	50.00
19	5203	222	441	5866	576	4125	3	4519	4541	-1136	-1329	13793	403	14196	2863	17059	49.96
20	5187	222	438	5847	538	4131	0	4566	4957	-1160	-1188	14312	535	14847	2851	17698	49.96
21	5215	267	439	5921	720	4161	0	4511	4583	-1053	-1100	14312	382	14694	2780	17474	49.92
22	5178	174	438	5790	617	4036	0	4534	4760	-1046	-1064	14163	278	14441	2703	17144	49.85
23	5055	557	435	6047	599	4088	0	4559	4832	-1056	-1100	14489	213	14702	2715	17417	49.81
24	5020	949	436	6405	427	3953	0	4642	5173	-1066	-1091	14893	171	15064	2668	17732	49.94
MUs	119.7 2	12.67	12.67	145.06	14.46	94.53	1.10	121.30	124.62	-26.20	-26.50	353.51	11.98	365.50	63.72	429.22	49.95

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 26/May/2014

Position as on 6.30 Hrs of 27/May/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	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
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 WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP IPL U-2	270	29/04/2014	09:34	27/05/2014	20:07	PA Fan problem	
CPP Adani U-2	660	22/05/2014	10.48	27/05/2014	11.30	Boiler Tube Leakage	
Bhusawal Unit 5	500	23/05/2014	09.02	26/05/2014	06.30	Boiler Tube Leakage	
Nasik Unit 5	210	24/05/2014	7.40	27/05/2014	08.10	BTL	
Parli Unit 7	250	25/05/2014	21.18	26/05/2014	03.56	Air Heater Problem.	
Parli Unit 5	210	26/05/2014	22.34		Continued.	Coal Shortage.	
Bhusawal Unit 5	500	27/05/2014	09.38	27/05/2014	13.58	Gen Prot Optd.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/May/2014

Position as on 6.30 Hrs of 27/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	25/05/2014	16.39	26/05/2014	09.10	Over Voltage.
Kolhapur - Mapusa - I	26/05/2014	16.48	27/05/2014	08.37	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Kolhapur-Solapur (PG) II	27/05/2014	15.03	27/05/2014	15.37	Dist.Prot.
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik - Navasari - II	27/05/2014	13.22	27/05/2014	17.05	Dist.Prot.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Karad - Newkoyna - I	26/05/2014	11.54	26/05/2014	16.00	For Armoring in Span No.185-186 B Ph.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Karad-Kadegaon	27/05/2014	10.02	27/05/2014	12.16	Hot Spot of Wave Trap.
Mudsinghi - Mumewadi - I	27/05/2014	10.25	27/05/2014	13.02	Testing work.
Miraj - Kadegaon	27/05/2014	12.27	27/05/2014	13.15	Hot Spot of R-Ph CT.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	25/05/2014	16.15	26/05/2014	06.48	Over Voltage.
Karad-Jaigad I	25/05/2014	16.37	26/05/2014	06.52	Over Voltage.
Bhusawal- Aurangabad	25/05/2014	17.12	26/05/2014	07.20	Over Voltage.
Kolhapur-Karad -I	26/05/2014	17.06	27/05/2014	07.00	Over Voltage.
Bhusawal- Aurangabad	26/05/2014	20.14	27/05/2014	08.29	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Voltage Level : 400KV			Outage Type TRIPPED		
Deepnagar-Tapitatanda	24/05/2014	21.58	26/05/2014	08.52	distance protection
400/220KV,315 MVA ICT-I At Lonikand.	27/05/2014	13.18	27/05/2014	14.11	NDR.
Voltage Level : 220KV			Outage Type TRIPPED		
BBLSR-Chaligaon	26/05/2014	18.30	27/05/2014	04.00	Conductor Broken.
Karad-Vita-II	27/05/2014	14.00	27/05/2014	15.04	Dist.Prot.
Vita - Lamboti	27/05/2014	14.29	27/05/2014	20.03	Dist.Prot.
Babaleshwar - Ranjangaon	27/05/2014	15.07	27/05/2014	19.40	Dist.Prot.
Voltage Level : 132KV			Outage Type TRIPPED		
Beed - Talegaon	26/05/2014	19.02	26/05/2014	19.37	Distance Protection,R & B Z-III.
Pangari - Telgaon	26/05/2014	19.02	27/05/2014	05.58	Distance Protection,R & B Ph, Tripped due to CB Wiring Burnt.
Akola - Gorakshan	26/05/2014	19.18	26/05/2014	19.40	Distance Protection,R Ph Z-I.
BBLSR - Sangamner	27/05/2014	15.09	27/05/2014	15.15	Tripped on FTR.
BBLSR - Rahuri	27/05/2014	15.09	27/05/2014	15.14	Tripped on FTR.
Babaleshwar - Kopargaon	27/05/2014	15.09	27/05/2014	15.16	Tripped on FTR.
BBLSR - Newasa	27/05/2014	15.09	27/05/2014	15.16	Tripped on FTR.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	155
Unit 7	210	0
	620	155
Bhusawal		
Unit 2	210	140
Unit 3	210	130
Unit 4	500	300
Unit 5	500	312
	1420	882
Parli		
Unit 3	210	0
Unit 4	210	150
Unit 5	210	0
Unit 6	250	187
Unit 7	250	187
	1130	524
Chandrapur		
Unit 1	210	145
Unit 2	210	165
Unit 3	210	180
Unit 4	210	210
Unit 5	500	450
Unit 6	500	390
Unit 7	500	400
	2340	1940
Paras		
Unit 3	250	210
Unit 4	250	250
	500	460
Khaparkheda		
Unit 1	210	170
Unit 2	210	0
Unit 3	210	180
Unit 4	210	180
Unit 5	500	500
	1340	1030
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	0
	630	380
Uran		
All Units	852	600
	852	600
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	12
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	63
BHTGR/VEER	21	0
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	
SMLHY PTN	12	10
GHATGHAR	250	
	611	196
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	1100
WARDHA	405	101
Adani	2640	1823
Other CPPs	300	915
	4545	3939
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	500
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5808
	3455	5808

	21940	19211
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