

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 25/Aug/2015 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	91.892	2313.258	1) Gujrat	12.203	232.460
2) Hydro	8.951	182.509	2) Madhya Pradesh	13.059	303.758
3) Gas	6.544	157.775	3) Chattisgarh	5.660	118.110
Total MSPGCL	107.387	2653.542	4) Maharashtra Net	93.430	2124.471
B) 1) APML	54.510	1199.389	5) Goa	-6.700	-153.215
2) JSWEL	27.395	657.640	6) TAPS 1&2 Injection	2.511	65.331
3) VIPL	11.143	204.190	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	17.960	415.615	8) Pench (MS)	0.580	11.223
5) WPCL	3.894	86.983	9) Pench (Excess)	-0.580	-10.177
6) Other IPP	2.083	53.761	Total	119.583	2680.738
C) 1) TPCL Thermal	17.170	403.761	a) Mumbai Schedule	26.391	581.649
2) TPCL Hydro	2.812	81.045	b) Mumbai Drawl	26.250	642.626
3) TPCL Gas	2.336	45.042	c) MSEDCL Bilateral *	34.697	757.131
4) R-INFRA Thermal	12.414	282.818	Include PX	4.158	77.287
D) STATE			d) Mumbai Bilateral *	26.391	581.649
1) Thermal	238.461	5617.415	Include PX	3.622	109.041
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	11.763	263.554	H) ENERGY CATERED (MUs)		
3) Gas	8.880	202.817	1) MSEDCL	346.337	7952.944
4) Wind	27.575	619.198	2) Mumbai Discoms	60.982	1455.280
6) SOLAR	1.057	24.514	TOTAL STATE	407.319	9408.224
TOTAL STATE	287.736	6727.498			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 11 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	3720	3790	4034	3733
MSPGCL Hydro	902	303	348	142
MSPGCL Gas	275	278	275	277
MSPGCL Total Generation	4897	4371	4657	4152
Central Sector Receipt	6027	6003	4962	4164
WIND	952	977	1026	1197
CPP / IPP	5139	4860	4877	4697
SOLAR	127	149	0	0
Exchange with Mumbai	-1419	-1414	-1210	-696
MSEDCL DEMAND MET	15723	14946	14312	13514
Load Shedding	25	25	30	20
MSEDCL DEMAND	15748	14971	14342	13534
TPCL GENERATION	1144	1140	1072	630
R-INFRA GENERATION	516	517	517	517
MUMBAI DEMAND	3079	3071	2799	1843
STATE DEMAND MET	18802	18017	17111	15357
STATE DEMAND	18827	18042	17141	15377
Frequency (Hz)	49.93	49.86	49.88	49.93

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.11 Hz at 13.02 Hrs	49.69 Hz at 09.41 Hrs	49.91	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Shift Engineer

Shift Incharge

Daily and Progressive Generation,Maximum,Minimum for 25/Aug/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.06	54.68	150	98
Unit 6	0.00	0.00	0	0
Unit 7	3.44	92.93	170	111
Total	6.50	147.61		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.12	96.60	180	165
Unit 4	9.57	214.36	430	355
Unit 5	0.00	0.00	0	0
Total	13.68	310.96		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Total	0.00	0.00		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.40	79.51	150	129
Unit 3	3.97	84.62	188	143
Unit 4	4.00	92.86	178	130
Unit 5	8.35	207.86	385	295
Unit 6	8.97	192.76	400	338
Unit 7	7.46	191.82	363	278
Total	36.15	849.42		
Paras				
Unit 3	5.22	115.00	228	202
Unit 4	5.22	118.48	229	204
Total	10.44	233.48		
Khaparkheda				
Unit 1	3.55	76.33	175	110
Unit 2	3.65	82.63	175	130
Unit 3	3.52	83.54	155	135
Unit 4	1.34	60.06	144	0
Unit 5	0.00	152.40	0	0
Total	12.06	454.96		
Nasik				
Unit 3	4.28	110.60	190	170
Unit 4	4.38	111.93	192	168
Unit 5	4.41	94.30	193	176
Total	13.06	316.83		
Uran				
All Units	6.54	157.78	282	225
Total	6.54	157.78		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.58	11.22	38	0
Total	0.58	11.22		
Koyna				
Stage 1-2	3.74	70.31	415	40
Stage 4	0.99	31.60	245	0
Stage 3	1.61	31.19	240	0
Total	6.34	133.10		
Hydro				
KDPH	0.90	3.69	38	37
VTRNA	0.00	0.44	0	0
TILLARI	0.00	2.12	0	0
BHTGR/VEER	0.00	1.26	0	0
BHIRA T.R.	0.20	7.82	80	0
RNGR+BHTSA	0.06	0.38	3	2
BHANDARDRA	0.53	8.16	36	13
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.43	3.60	19	18
GHATGHAR	0.50	21.94	125	0
Total	2.61	49.41		
Wind				
Total	27.58	619.20	0	0
Total	27.58	619.20		
CPP				
APML(Mus)	54.51	1199.39	0	0
JSWEL(Mus)	27.40	657.64	0	0
VIPL(Mus)	11.14	204.19	0	0
RPLAMT(Mus)	17.96	415.62	0	0
WPCL(Mus)	3.89	86.98	0	0
Other(Mus)	2.08	53.76	0	0
Total	116.98	2617.58		
SOLAR				
Total	1.06	24.51	0	0
Total	1.06	24.51		
Tata				
Trombay 5	11.20	260.58	494	312
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.34	45.04	115	64
Trombay 7B	0.00	0.00	0	0
Trombay 8	5.97	143.18	252	245
TATA Hydro	2.81	81.04	292	0
Total	22.32	529.85		
R-INFRA				
1-2	12.41	282.82	520	515
Total	12.41	282.82		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	91.89	2313.26
MSPGCL Thml+Gas	98.44	2471.03

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	8.95	182.51
MSPGCL Total	107.39	2653.54

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	4.73	101.91
State Total	287.74	6727.50

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 25/Aug/2015

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	3788	115	276	4179	1437	4885	0	4317	4486	-896	14091	35	14126	2223	16349	49.91
2	3747	121	276	4144	1382	4797	0	4334	4003	-708	13618	20	13638	2026	15664	49.88
3	3750	137	276	4163	1400	4735	0	3993	4134	-704	13728	20	13748	1917	15665	49.87
4	3755	132	276	4163	1372	4777	0	3952	4462	-713	14061	20	14081	1857	15938	49.95
5	3733	142	277	4152	1197	4697	0	4237	4164	-696	13514	20	13534	1843	15377	49.93
6	3770	395	277	4442	1020	4767	0	4379	4482	-690	14021	25	14046	1933	15979	49.93
7	3748	524	282	4554	1060	4904	2	5258	5347	-700	15167	25	15192	2065	17257	49.91
8	3752	335	282	4369	986	5041	32	5704	5968	-838	15558	25	15583	2211	17794	49.97
9	3686	767	281	4734	1084	5073	71	5494	5801	-1154	15609	25	15634	2564	18198	49.93
10	3707	999	278	4984	1148	4920	98	5684	5581	-1319	15412	25	15437	2871	18308	49.92
11	3720	902	275	4897	952	5139	127	5962	6027	-1419	15723	25	15748	3079	18827	49.93
12	3696	860	276	4832	1008	4983	146	6016	6010	-1425	15554	25	15579	3085	18664	49.84
13	3790	303	278	4371	977	4860	149	6041	6003	-1414	14946	25	14971	3071	18042	49.86
14	3727	393	281	4401	1061	4965	131	5487	5390	-1329	14619	30	14649	2928	17577	49.88
15	3837	183	277	4297	1265	4986	123	5691	5567	-1362	14876	25	14901	2959	17860	49.87
16	3898	123	225	4246	1380	4929	92	5710	5347	-1379	14615	25	14640	2941	17581	49.90
17	3904	137	235	4276	1416	4602	68	5224	5538	-1402	14498	25	14523	2938	17461	49.89
18	3971	260	275	4506	1177	4777	16	4147	4374	-1371	13479	31	13510	2896	16406	49.93
19	4009	363	275	4647	1112	4849	2	3985	4353	-1267	13696	25	13721	2829	16550	49.95
20	4034	348	275	4657	1026	4877	0	4785	4962	-1210	14312	30	14342	2799	17141	49.88
21	3974	173	275	4422	1002	4943	0	4865	4855	-1195	14027	30	14057	2688	16745	49.90
22	3981	674	273	4928	971	4919	0	3982	4362	-1077	14103	30	14133	2566	16699	49.97
23	3962	424	270	4656	1055	4827	0	4374	4097	-1029	13606	30	13636	2405	16041	49.95
24	3953	141	273	4367	1087	4733	0	4404	4273	-953	13507	30	13537	2288	15825	49.87
MUs	91.89	8.95	6.54	107.39	27.57	116.99	1.06	118.02	119.59	-26.25	346.34	0.63	346.97	60.98	407.95	49.91

NOTE : ALL VALUES IN MW

Mumbai Net Exch is shown with reference to MSETCL system and (-) sign indicates MSETCL periphery to Mumbai system.

State Load Despatch Center,Airoli (MSETCL) Statement-VI

Details of Generating Unit Outages/Trippings for 25/Aug/2015

Position as on 6.30 Hrs of 26/Aug/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 1	160	12/10/2014	22:39		Continued.	Refuelling work	
TPC-G	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
MSPGCL	Bhusawal Unit 5	500	29/07/2015	06.29		Continued.	Annual Overhaul	
MSPGCL	Koyna STG-IV Unit-2	250	20/08/2015	09.00		Continued.	Realigning of T-G Rotor & Adjusting the Bearing Clearances.(40 Days)	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
TPC-G	Bhira PSU	150	09/06/2015	10.53		Continued.	Stator Earth Fault	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
MSPGCL	Parli Unit 6	250	25/06/2015	15.03		Continued.	Water Shortage	
MSPGCL	Parli Unit 4	210	05/07/2015	18.45		Continued.	Water Shortage	
MSPGCL	Parli Unit 5	210	06/07/2015	14.55		Continued.	Water Shortage.	
MSPGCL	Parli Unit 7	250	08/07/2015	12.08		Continued.	Water Shortage	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
CPP	WPCL U-4	135	01/08/2015	21.57	25/08/2015	15.37	Vibration problem in ID Fan	
IPP	Adani U-2	660	04/08/2015	00.03		Continued.	ID Fan Problem	
MSPGCL	Khaparkheda Unit 4	210	16/08/2015	13.10	25/08/2015	08.43	Turbine bearing Vabration high	
MSPGCL	Koradi Unit-8	660	20/08/2015	09.50		Continued.	EPS problem	
MSPGCL	Khaparkheda Unit 5	500	23/08/2015	07.51	26/08/2015	04.27	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 25/Aug/2015

Position as on 6.30 Hrs of 26/Aug/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Chandrapur Unit-8	500	23/08/2015	21.35		Continued.	cooling water pump tripped	
MSPGCL	Khaparkheda Unit 4	210	25/08/2015	12.59	25/08/2015	15.09	Turbine Tripped on Reverse power Contro Valve.	
CPP	WPCL U-1	135	25/08/2015	19.18		Continued.	Maintenance work	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 25/Aug/2015

Statement-VII

Position as on 6.30 Hrs of 26/Aug/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
400 KV LINE Outages/Trippings							
Kolhapur Mapusa I	InterState	24/08/2015	17.16		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	25/08/2015	04.08		Continued.	HT	Over Voltage
Wardha (Pg) Warora I	InterState	25/08/2015	09.05	25/08/2015	18.11	HT	Line Singature & Tree cutting Work.
Kolhapur Mapusa II	InterState	25/08/2015	16.12		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	01/08/2015	12.04		Continued.	PO	Line Crossing work of 765KV A'bad-Solapur D/C By PGCIL (RFC @ 11.38 Hrs).
Karad -kolhapur-I	IntraState	24/08/2015	16.32		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	24/08/2015	16.34		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	24/08/2015	18.25		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	25/08/2015	02.12	25/08/2015	09.30	HT	Over Voltage
Karad -kolhapur-I	IntraState	25/08/2015	17.05		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	25/08/2015	17.58	26/08/2015	06.35	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	25/08/2015	18.46		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	25/08/2015	21.38		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kV 315MVA ICT-I@Parly	IntraState	25/08/2015	11.52	25/08/2015	16.17	PO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and deenergising the line bet.86 to 107.
Chandrapur GCR - Wani	IntraState	05/04/2015	09.15		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumer at Loc no 86 & 107 and deenergising the line bet.86 to 107.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Distance Protection
Padghe - Vasai	IntraState	15/08/2015	08:35		Continued.	PO	Removal of jumper & bunching work at Loc No. 51/1 & 35 (charged up to Loc No. 51/1 from Padghe end only)
Kalwa - Borivali	IntraState	16/08/2015	08.00		Continued.	PO	Erection of Loc.No.12 and shifting of conductor on NER M/C Tower
Kalwa - Mulund 1	IntraState	22/08/2015	07.35		Continued.	PO	Mumbai Strengthening work
Trombay - Mulund	IntraState	25/08/2015	06.02	25/08/2015	09.06	EO	TO Attend Hot Spot on Line.
Wadkhal - NDIL-III	IntraState	25/08/2015	10.50	25/08/2015	18.33	PO	For safety Purpose at NDIL end.
Karad -Mudshingi Ckt- IV	IntraState	25/08/2015	14.08	25/08/2015	17.56	PO	Attending Sparking on Isolater.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/33kV 100 MVATransformer 2 @Versova R/S	IntraState	25/08/2015	02.00	25/08/2015	04.29	PO	To Work on Spout.
220/132kv 100mva Vijai Ptr No 1 @Baramati	IntraState	25/08/2015	11.15	25/08/2015	14.55	PO	Tan Delta Measurment of CTs
220/132kV 100MVA ICT-2 @ Baramati	IntraState	25/08/2015	15.30	25/08/2015	18.32	PO	Tan Delta Measurment of CTs

HT : Hand Tripping, MT : Multiple Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage, OO : Opportunity Outage