

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 26/Sep/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	92.267	2646.591	1) Gujrat	6.712	95.266
2) Hydro	10.712	222.503	2) Madhya Pradesh	15.173	236.883
3) Gas	10.339	199.556	3) Chattisgarh	4.080	105.030
Total MSPGCL	113.318	3068.650	4) Maharashtra Net	99.012	2369.867
B) 1) APML	56.020	1245.720	5) Goa	-7.914	-185.502
2) JSWEL	27.943	719.133	6) TAPS 1&2 Injection	3.515	96.632
3) VIPL	12.094	284.700	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	19.190	497.294	8) Pench (MS)	0.572	16.648
5) WPCL	4.114	103.562	9) Pench (Excess)	-0.572	-16.648
6) Other IPP	2.266	55.403	Total	120.006	2701.528
C) 1) TPCL Thermal	17.477	422.471	a) Mumbai Schedule	23.880	567.183
2) TPCL Hydro	1.054	43.455	b) Mumbai Drawl	22.406	669.836
3) TPCL Gas	3.185	92.990	c) MSEDCL Bilateral *	37.417	634.102
4) R-INFRA Thermal	11.928	299.972	Include PX	8.777	-77.710
D) STATE			d) Mumbai Bilateral *	23.880	566.148
1) Thermal	243.299	6274.846	Include PX	2.061	34.097
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro (A2+C2)	11.766	265.958	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	13.524	292.546	1) MSEDCL	337.541	8362.308
4) Wind	3.652	329.911	2) Mumbai Discoms	56.016	1528.683
6) SOLAR	1.344	26.243	TOTAL STATE	393.557	9890.991
TOTAL STATE	273.585	7189.504			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	3990	3989	3667	3833
MSPGCL Hydro	668	811	1119	79
MSPGCL Gas	418	418	430	438
MSPGCL Total Generation	5076	5218	5216	4350
Central Sector Receipt	6151	5857	4760	4214
WIND	35	67	243	110
CPP / IPP	4885	5123	5362	4797
SOLAR	183	169	0	0
Exchange with Mumbai	-1285	-1244	-1080	-572
MSEDCL DEMAND MET	15045	15190	14501	12899
Load Shedding	20	20	19	18
MSEDCL DEMAND	15065	15210	14520	12917
TPCL GENERATION	919	958	1062	858
R-INFRA GENERATION	517	518	519	397
MUMBAI DEMAND	2721	2720	2661	1827
STATE DEMAND MET	17766	17910	17162	14726
STATE DEMAND	17786	17930	17181	14744
Frequency (Hz)	49.86	49.81	49.89	49.94

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 18:01 Hrs	49.62 Hz at 18:26 Hrs	49.9	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 26/Sep/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	82.57	0	0
Unit 6	0.00	0.00	0	0
Unit 7	4.04	80.25	180	156
Total	4.04	162.82		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.98	105.18	170	160
Unit 4	6.88	262.57	335	0
Unit 5	11.42	179.90	500	440
Total	22.28	547.64		
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	0.00	73.86	0	0
Unit 3	4.23	101.08	200	128
Unit 4	0.00	0.00	0	0
Unit 5	0.00	213.40	0	0
Unit 6	7.65	217.15	400	0
Unit 7	8.76	214.31	400	309
Total	20.65	819.80		
Paras				
Unit 3	4.98	128.70	222	182
Unit 4	5.36	124.31	236	211
Total	10.34	253.01		
Khaparkheda				
Unit 1	3.14	69.23	150	105
Unit 2	3.34	88.32	165	115
Unit 3	3.40	92.18	150	136
Unit 4	3.43	91.80	152	131
Unit 5	8.91	214.50	400	345
Total	22.22	556.04		
Nasik				
Unit 3	3.61	94.55	180	135
Unit 4	4.58	100.44	197	186
Unit 5	4.54	112.30	196	182
Total	12.73	307.29		
Uran				
All Units	10.34	199.56	442	415
Total	10.34	199.56		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.57	16.65	38	14
Total	0.57	16.65		
Koyna				
Stage 1-2	3.68	80.70	515	40
Stage 4	3.05	55.56	492	0
Stage 3	1.63	33.59	224	0
Total	8.35	169.84		
Hydro				
KDPH	0.00	7.93	0	0
VTRNA	0.00	0.31	0	0
TILLARI	0.00	0.11	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.11	4.39	40	0
RNGR+BHTSA	0.00	1.41	0	0
BHANDARDRA	0.53	7.49	38	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.42	6.54	24	15
GHATGHAR	1.30	24.49	207	0
Total	2.36	52.66		
Wind				
Total	3.65	329.91	0	0
Total	3.65	329.91		
CPP				
APML(Mus)	56.02	1245.72	0	0
JSWEL(Mus)	27.94	719.13	0	0
VIPL(Mus)	12.09	284.70	0	0
RPLAMT(Mus)	19.19	497.29	0	0
WPCL(Mus)	4.11	103.56	0	0
Other(Mus)	2.27	55.40	0	0
Total	121.63	2905.81		
SOLAR				
Total	1.34	26.24	0	0
Total	1.34	26.24		
Tata				
Trombay 5	11.52	274.64	488	455
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.86	63.43	109	69
Trombay 7B	1.32	29.56	66	52
Trombay 8	5.96	147.83	252	245
TATA Hydro	1.05	43.46	173	0
Total	21.72	558.92		
R-INFRA				
1-2	11.93	299.97	519	397
Total	11.93	299.97		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	92.27	2646.59
MSPGCL Thml+Gas	102.61	2846.15

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	10.71	222.50
MSPGCL Total	113.32	3068.65

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	6.73	136.25
State Total	273.58	7189.50

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 26/Sep/2015

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	3884	93	439	4416	150	5093	0	4458	4453	-872	13240	29	13269	2188	15457	49.90
2	3803	103	438	4344	115	4868	0	4258	4460	-760	13027	18	13045	2011	15056	49.97
3	3821	75	438	4334	97	4782	0	4184	4418	-640	12991	18	13009	1892	14901	49.94
4	3833	79	438	4350	110	4797	0	4189	4214	-572	12899	18	12917	1827	14744	49.94
5	3772	104	440	4316	137	4743	0	4207	4425	-539	13082	18	13100	1810	14910	49.98
6	3866	89	441	4396	161	4738	0	4763	4989	-497	13787	20	13807	1874	15681	49.89
7	3946	372	440	4758	151	4839	0	5215	5363	-492	14619	20	14639	1913	16552	49.86
8	3996	450	441	4887	147	4865	32	5214	5803	-621	15113	20	15133	1994	17127	49.97
9	4034	488	439	4961	119	5065	80	5389	5695	-815	15105	20	15125	2188	17313	49.92
10	4009	613	430	5052	93	5008	120	5580	5645	-1087	14831	20	14851	2473	17324	49.89
11	3998	676	422	5096	80	5062	161	5669	5635	-1251	14783	20	14803	2669	17472	49.88
12	3990	668	418	5076	35	4885	183	5685	6151	-1285	15045	20	15065	2721	17786	49.86
13	3989	811	418	5218	67	5123	169	5531	5857	-1244	15190	20	15210	2720	17930	49.81
14	3947	1046	417	5410	74	5067	172	5165	5247	-1125	14845	21	14866	2596	17462	49.86
15	3933	785	416	5134	99	5093	166	5462	5370	-1087	14775	19	14794	2604	17398	49.83
16	3970	749	415	5134	122	5337	143	5451	5324	-1139	14921	19	14940	2578	17518	49.86
17	3972	533	421	4926	151	5204	78	5056	5122	-1120	14361	19	14380	2563	16943	49.91
18	3955	379	427	4761	204	5274	36	4251	4354	-1100	13529	19	13548	2521	16069	49.93
19	3967	420	424	4811	200	5405	4	4532	4388	-1131	13677	19	13696	2557	16253	49.79
20	3667	1119	430	5216	243	5362	0	4614	4760	-1080	14501	19	14520	2661	17181	49.89
21	3570	528	433	4531	277	5269	0	4516	4604	-1099	13582	19	13601	2522	16123	49.94
22	3432	357	432	4221	221	5314	0	4399	4496	-999	13253	19	13272	2476	15748	49.96
23	3388	106	440	3934	325	5342	0	4649	4495	-957	13139	19	13158	2401	15559	49.91
24	3525	69	442	4036	274	5092	0	4792	4738	-894	13246	19	13265	2291	15556	49.94
MUs	92.27	10.71	10.34	113.32	3.65	121.63	1.34	117.23	120.01	-22.41	337.54	0.47	338.01	56.05	394.06	49.90

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 26/Sep/2015

Position as on 6.30 Hrs of 27/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Chandrapur Unit 4	210	29/08/2015	23.55	27/09/2015	14.18	Annual Overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
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	
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	
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-1	135	25/08/2015	19.18		Continued.	Maintenance work	
IPP	Adani U-4	660	11/09/2015	20.49		Continued.	Abnormal sound in generater bearing	
MSPGCL	Koradi Unit-8	660	18/09/2015	18.08		Continued.	ESP Problem	
MSPGCL	Chandrapur Unit 2	210	24/09/2015	17.41		Continued.	Boiler ring header leakage.	
IPP	RPL(AMT) U-4	270	24/09/2015	21.00	26/09/2015	16.15	Bottom ash Problem	
MSPGCL	Chandrapur Unit 5	500	25/09/2015	21.43		Continued.	Boiler Tube Leakage	
MSPGCL	Koradi Unit 5	200	25/09/2015	21.57		Continued.	ID Fan vibration high	
MSPGCL	Chandrapur Unit-8	500	26/09/2015	04.34	26/09/2015	18.15	Flame Failure	
MSPGCL	Chandrapur Unit 6	500	26/09/2015	19.12	26/09/2015	22.33	Vaccum problem	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 26/Sep/2015

Position as on 6.30 Hrs of 27/Sep/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 4	500	26/09/2015	21.22		Continued.	Boiler Tube Leakage	
MSPGCL	Paras Unit 3	250	27/09/2015	00.48		Continued.	Furnace Pressure High	
MSPGCL	Chandrapur Unit-8	500	27/09/2015	05.00	27/09/2015	08.09	Flame Failure	
MSPGCL	Chandrapur Unit-8	500	27/09/2015	16.22	27/09/2015	18.28	Flame Failure	
MSPGCL	Chandrapur Unit-8	500	27/09/2015	18.33	27/09/2015	20.22	Drum level low	
MSPGCL	Chandrapur Unit-8	500	27/09/2015	22.04	27/09/2015	23.46	M.S.Temp.Low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 27/Sep/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							
Dabhol Nagothane II	InterState	22/09/2015	11.16		Continued.	PO	Maintenance & testing work at Dabhol end.
Kolhapur Mapusa I	InterState	25/09/2015	16.38	26/09/2015	07.09	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	25/09/2015	18.18	26/09/2015	10.50	HT	Over Voltage
Kolhapur Mapusa II	InterState	26/09/2015	16.33	27/09/2015	07.20	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	27/09/2015	04.10		Continued.	HT	Over Voltage
Kolhapur Mapusa I	InterState	27/09/2015	16.18		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	25/09/2015	16.15	26/09/2015	07.13	HT	Over Voltage
Karad-Jaigad - I	IntraState	25/09/2015	16.36	26/09/2015	07.08	PO	Over Voltage
Bhusawal-Aurangabad	IntraState	25/09/2015	17.42	26/09/2015	06.55	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	25/09/2015	18.20		Continued.	HT	Attending Hot Spot
Padghe - Kharghar	IntraState	26/09/2015	11.25	26/09/2015	15.55	PO	Taken on TBC
karad -kolhapur-I	IntraState	26/09/2015	16.36	27/09/2015	08.26	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	26/09/2015	18.03	27/09/2015	07.32	HT	Over Voltage
Karad - Jaigad - II	IntraState	26/09/2015	18.07	27/09/2015	08.26	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	27/09/2015	05.58		Continued.	T	Distance protection(RFC 17.12Hrs)
Padghe - Kharghar	IntraState	27/09/2015	12.30	27/09/2015	12.51	T	Distance Protection
karad -kolhapur-II	IntraState	27/09/2015	16.21		Continued.	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	27/09/2015	16.43		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/09/2015	17.04		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/09/2015	17.23		Continued.	HT	Over Voltage
220 KV LINE Outages/Trippings							
Nasik Navsari II	InterState	27/09/2015	03.42	27/09/2015	09.32	T	Distance Protection
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 de-energising 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 de-energising the line bet.86 to 107.
REL Borivali TPC Borivali line	IntraState	10/07/2015	16.22		Continued.	T	Tripped on B ph Diff Prot. cable damage near reliance sub station.
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
Boisar Versova Line	IntraState	25/09/2015	22.10	26/09/2015	01.48	PO	Relay replacement work
Parvati - Hybrid Pass	IntraState	26/09/2015	08.58	26/09/2015	17.01	PO	controlling for line loading
Kalwa - Siemens	IntraState	26/09/2015	09.00	26/09/2015	16.35	PO	Tan Delta Measurment of CTs
Hinjawadi I- Chinchwad	IntraState	26/09/2015	09.40	26/09/2015	17.00	PO	controlling for line loading
Bhosari 2 - Telco	IntraState	26/09/2015	11.19	26/09/2015	16.24	PO	Half yearly maintenance work
Karad -Mudshingi Ckt- IV	IntraState	26/09/2015	12.37	26/09/2015	17.17	T	Distance Protection
Talandge(400kv)- Ichalkaranji 1	IntraState	26/09/2015	12.56	26/09/2015	20.15	T	Distance Protection
Miraj - Ichalkaranji II	IntraState	26/09/2015	13.18	26/09/2015	20.22	HT	control line loading

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

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 27/Sep/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Boisar II - PGCIL II	IntraState	26/09/2015	14.08	26/09/2015	14.30	PO	line shifted through tbc from B bus to A Bus
Boisar II - PGCIL I	IntraState	26/09/2015	14.50	26/09/2015	16.18	PO	line shifted through tbc from B bus to A Bus
Bableshwar Ahamadnagar-Ii	IntraState	26/09/2015	17.11	26/09/2015	17.45	PO	sugarcane cutting near line
Jambhul - Pal	IntraState	27/09/2015	00.05	27/09/2015	02.14	EO	Air Leakage
Padghe - Jindal	IntraState	27/09/2015	08.05	27/09/2015	18.45	EO	Breaker Air Leakage
Dahanu Ghodbunder Line 2	IntraState	27/09/2015	08.44	27/09/2015	09.48	PO	Repl.of vibration Dampers
Pedhambe - Oni	IntraState	27/09/2015	12.40	27/09/2015	13.10	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22KV 100MVA T/F 4 @Mulund	IntraState	09/09/2015	12.20		Continued.	PO	Replacement of Control and Relay Panal
220/33 Kv 100 Mva Alstom Ptr 1 @Valve	IntraState	15/09/2015	16.34		Continued.	T	On Snake Fault, 33kv Breaker R.Y.B Ph Pole Burst.
220/132-110kv 200mva Ptr 1 @Oglewadi	IntraState	26/09/2015	10.10	26/09/2015	12.53	PO	Routine Maintenance Work
220/132 KV ICT @ Bhugaon	IntraState	26/09/2015	10:53	26/09/2015	13:35	T	Differential protection
132 KV LINE Outages/Trippings							
Kanhan-Pench	IntraState	26/09/2015	03.58	26/09/2015	05.08	T	Distance Protection
Pusad-Umarkhed	IntraState	27/09/2015	02.26	27/09/2015	02.42	T	Distance Protection
Pusad-Umarkhed	IntraState	27/09/2015	04.43	27/09/2015	05.06	T	Distance Protection
Ekl(Gcr)-Ranwad	IntraState	27/09/2015	12.15	27/09/2015	17.25	T	Backup Protection

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