

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 27/Sep/2015 SUNDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	83.443	2730.034	1) Gujrat	6.280	101.546
2) Hydro	7.877	230.380	2) Madhya Pradesh	16.382	253.265
3) Gas	10.008	209.564	3) Chattisgarh	4.250	109.280
Total MSPGCL	101.328	3169.978	4) Maharashtra Net	95.122	2464.989
B) 1) APML	53.750	1299.470	5) Goa	-7.135	-192.637
2) JSWEL	26.389	745.522	6) TAPS 1&2 Injection	3.785	100.417
3) VIPL	11.474	296.174	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	22.510	519.804	8) Pench (MS)	0.790	17.438
5) WPCL	4.157	107.719	9) Pench (Excess)	-0.790	-17.438
6) Other IPP	2.350	57.753	Total	117.894	2819.422
C) 1) TPCL Thermal	16.624	439.095	a) Mumbai Schedule	17.454	584.637
2) TPCL Hydro	0.071	43.526	b) Mumbai Drawl	17.431	687.267
3) TPCL Gas	2.994	95.984	c) MSEDCL Bilateral *	36.215	670.317
4) R-INFRA Thermal	11.624	311.596	Include PX	8.245	-69.465
D) STATE			d) Mumbai Bilateral *	17.454	583.602
1) Thermal	232.321	6507.167	Include PX	-0.011	34.086
(A1+C1+C4+(B1-B6))			Include Standby	0.000	1.035
2) Hydro	7.948	273.906	H) ENERGY CATERED (MUs)		
3) Gas	13.002	305.548	1) MSEDCL	328.427	8690.735
4) Wind	4.586	334.497	2) Mumbai Discoms	48.745	1577.428
6) SOLAR	1.420	27.663	TOTAL STATE	377.172	10268.163
TOTAL STATE	259.277	7448.781			

* 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 5 Hrs
MSPGCL Thermal	3394	3452	3432	3461
MSPGCL Hydro	961	926	214	113
MSPGCL Gas	398	397	402	454
MSPGCL Total Generation	4753	4775	4048	4028
Central Sector Receipt	5822	5406	4863	4190
WIND	62	33	150	239
CPP / IPP	4762	4873	5243	5031
SOLAR	206	185	0	0
Exchange with Mumbai	-945	-803	-977	-432
MSEDCL DEMAND MET	14660	14469	13327	13056
Load Shedding	21	21	19	18
MSEDCL DEMAND	14681	14490	13346	13074
TPCL GENERATION	816	857	716	842
R-INFRA GENERATION	402	509	460	517
MUMBAI DEMAND	2163	2169	2153	1791
STATE DEMAND MET	16823	16638	15480	14847
STATE DEMAND	16844	16659	15499	14865
Frequency (Hz)	49.97	50.00	49.99	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.24 Hz at 06:01 Hrs	49.77 Hz at 00:19 Hrs	49.99	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 27/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	3.65	83.90	175	130
Total	3.65	166.47		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.04	109.21	175	155
Unit 4	0.00	262.57	0	0
Unit 5	11.76	191.66	510	400
Total	15.80	563.44		
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	4.44	105.51	201	169
Unit 4	0.42	0.42	100	0
Unit 5	0.00	213.40	0	0
Unit 6	8.90	226.06	425	262
Unit 7	9.76	224.07	430	354
Total	23.52	843.32		
Paras				
Unit 3	0.18	128.88	177	0
Unit 4	5.41	129.72	248	195
Total	5.59	258.59		
Khaparkheda				
Unit 1	3.02	72.24	165	90
Unit 2	3.35	91.67	165	120
Unit 3	3.48	95.67	165	123
Unit 4	3.52	95.32	164	125
Unit 5	8.57	223.07	406	300
Total	21.94	577.98		
Nasik				
Unit 3	4.30	98.84	200	155
Unit 4	4.25	104.69	197	152
Unit 5	4.40	116.70	197	169
Total	12.95	320.24		
Uran				
All Units	10.01	209.56	454	397
Total	10.01	209.56		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.79	17.44	53	10
Total	0.79	17.44		
Koyna				
Stage 1-2	2.94	83.64	355	40
Stage 4	0.74	56.30	251	0
Stage 3	1.16	34.74	240	0
Total	4.84	174.68		
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.	0.15	4.54	80	0
RNGR+BHTSA	0.11	1.52	15	0
BHANDARDRA	0.48	7.97	38	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	1.18	7.72	56	46
GHATGHAR	1.12	25.60	250	0
Total	3.04	55.70		
Wind				
Total	4.59	334.50	0	0
Total	4.59	334.50		
CPP				
APML(Mus)	53.75	1299.47	0	0
JSWEL(Mus)	26.39	745.52	0	0
VIPL(Mus)	11.47	296.17	0	0
RPLAMT(Mus)	22.51	519.80	0	0
WPCL(Mus)	4.16	107.72	0	0
Other(Mus)	2.35	57.75	0	0
Total	120.63	3026.44		
SOLAR				
Total	1.42	27.66	0	0
Total	1.42	27.66		
Tata				
Trombay 5	10.83	285.47	484	324
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.72	65.14	93	69
Trombay 7B	1.28	30.84	58	52
Trombay 8	5.80	153.62	247	215
TATA Hydro	0.07	43.53	18	0
Total	19.69	578.60		
R-INFRA				
1-2	11.62	311.60	519	394
Total	11.62	311.60		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	83.44	2730.03
MSPGCL Thml+Gas	93.45	2939.60

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	7.88	230.38
MSPGCL Total	101.33	3169.98

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.68	139.93
State Total	259.28	7448.78

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 27/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	3660	111	447	4218	250	5167	0	4276	4720	-737	13618	29	13647	2131	15778	49.91
2	3534	111	450	4095	234	5127	0	4098	4517	-662	13311	18	13329	1987	15316	49.96
3	3568	106	450	4124	242	5086	0	4064	4311	-536	13227	18	13245	1891	15136	49.98
4	3523	111	452	4086	252	5073	0	4064	4330	-462	13279	18	13297	1819	15116	49.97
5	3461	113	454	4028	239	5031	0	4080	4190	-432	13056	18	13074	1791	14865	49.99
6	3496	240	454	4190	276	5001	0	4655	4783	-478	13772	21	13793	1842	15635	49.94
7	3472	450	448	4370	301	5044	0	5268	5278	-463	14530	21	14551	1823	16374	50.00
8	3493	717	445	4655	258	5059	33	5194	5179	-469	14715	21	14736	1833	16569	49.99
9	3544	459	406	4409	257	5004	91	5251	5414	-547	14628	21	14649	1914	16563	49.93
10	3534	311	402	4247	248	5004	129	5488	5516	-670	14474	21	14495	2030	16525	49.99
11	3418	505	403	4326	152	4755	155	5506	5990	-962	14416	21	14437	2121	16558	49.96
12	3394	961	398	4753	62	4762	206	5462	5822	-945	14660	21	14681	2163	16844	49.97
13	3452	926	397	4775	33	4873	185	5182	5406	-803	14469	21	14490	2169	16659	50.00
14	3507	731	397	4635	36	5127	193	5302	5103	-758	14336	22	14358	2122	16480	50.01
15	3492	367	398	4257	70	5092	165	5478	5460	-739	14305	19	14324	2084	16408	50.05
16	3478	217	399	4094	113	5102	136	5473	5525	-703	14267	19	14286	2052	16338	50.02
17	3446	130	399	3975	219	5170	87	5044	4801	-673	13579	19	13598	2002	15600	50.05
18	3406	169	401	3976	246	4884	33	4073	3954	-760	12333	19	12352	1965	14317	50.02
19	3360	153	401	3914	201	4861	7	4382	4379	-902	12460	19	12479	2024	14503	49.98
20	3432	214	402	4048	150	5243	0	4993	4863	-977	13327	19	13346	2153	15499	49.99
21	3416	129	403	3948	157	5118	0	4535	4516	-849	12890	19	12909	2192	15101	49.99
22	3466	131	401	3998	194	5119	0	4392	4239	-858	12692	19	12711	2211	14922	50.01
23	3482	165	401	4048	220	5122	0	4398	4722	-1010	13102	19	13121	2215	15336	49.97
24	3409	350	400	4159	176	4806	0	4437	4876	-1036	12981	19	13000	2210	15210	50.00
MUs	83.44	7.88	10.01	101.33	4.59	120.63	1.42	115.10	117.89	-17.43	328.43	0.48	328.91	48.74	377.65	49.99

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 27/Sep/2015

Position as on 6.30 Hrs of 28/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								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPL	Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
RGPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
RGPL	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	28/09/2015	04.45	Boiler ring header leakage.	
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	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	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 27/Sep/2015

Position as on 6.30 Hrs of 28/Sep/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	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 27/Sep/2015

Statement-VII

Position as on 6.30 Hrs of 28/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 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	28/09/2015	06.52	HT	Over Voltage
Kolhapur Mapusa I	InterState	27/09/2015	16.18	28/09/2015	06.30	HT	Over Voltage
Akola II - Taptitanda ckt-I	IntraState	05/09/2015	21.56		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-II	IntraState	25/09/2015	18.20		Continued.	HT	Attending Hot Spot
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	28/09/2015	06.37	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	27/09/2015	16.43	28/09/2015	06.41	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/09/2015	17.04	28/09/2015	06.56	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/09/2015	17.23	28/09/2015	06.53	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
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 Panel
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.
132 KV LINE Outages/Trippings							
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