

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Jul/2015 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	104.941	2764.868	1) Gujrat	11.753	104.096
2) Hydro	6.057	232.004	2) Madhya Pradesh	7.767	449.678
3) Gas	5.824	169.909	3) Chattisgarh	2.920	152.850
Total MSPGCL	116.822	3166.781	4) Maharashtra Net	63.667	2724.142
B) 1) APML	41.860	1351.060	5) Goa	-5.788	-181.738
2) JSWEL	18.399	516.247	6) TAPS 1&2 Injection	2.783	79.558
3) VIPL	4.604	243.543	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	13.195	341.843	8) Pench (MS)	0.037	4.443
5) WPCL	2.877	83.456	9) Pench (Excess)	-0.037	-4.055
6) Other IPP	2.906	105.787	Total	83.065	3324.531
C) 1) TPCL Thermal	15.446	467.392	a) Mumbai Schedule	23.590	723.444
2) TPCL Hydro	2.958	89.854	b) Mumbai Drawl	26.855	787.407
3) TPCL Gas	1.821	65.675	c) MSEDCL Bilateral *	24.577	975.434
4) R-INFRA Thermal	11.305	290.530	Include PX	-0.790	196.569
D) STATE			d) Mumbai Bilateral *	23.590	723.444
1) Thermal	215.533	6164.726	Include PX	4.654	152.924
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.015	321.858	H) ENERGY CATERED (MUs)		
3) Gas	7.645	235.584	1) MSEDCL	304.919	9407.169
4) Wind	47.090	1034.831	2) Mumbai Discoms	58.384	1700.862
6) SOLAR	0.956	26.497	TOTAL STATE	363.303	11108.031
TOTAL STATE	280.239	7783.496			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4479	4460	4258	4358
MSPGCL Hydro	224	84	1017	85
MSPGCL Gas	259	264	263	170
MSPGCL Total Generation	4962	4808	5538	4613
Central Sector Receipt	4051	3781	3482	2712
WIND	2192	2159	1827	1822
CPP / IPP	3585	3424	3407	3348
SOLAR	155	104	0	0
Exchange with Mumbai	-1525	-1309	-1184	-780
MSEDCL DEMAND MET	13420	12967	13070	11715
Load Shedding	47	42	38	40
MSEDCL DEMAND	13467	13009	13108	11755
TPCL GENERATION	991	1030	1018	529
R-INFRA GENERATION	514	517	509	396
MUMBAI DEMAND	3030	2856	2711	1705
STATE DEMAND MET	16450	15823	15781	13420
STATE DEMAND	16497	15865	15819	13460
Frequency (Hz)	49.97	49.95	49.83	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 18:00 Hrs	49.69 Hz at 19:19 Hrs	49.97	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 28/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.58	36.98	157	133
Unit 6	0.00	0.00	0	0
Unit 7	3.60	89.25	170	140
Total	7.18	126.24		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.04	103.97	180	165
Unit 4	9.14	246.32	395	370
Unit 5	8.37	257.34	380	280
Total	21.54	607.63		
Parli				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.18	0	0
Unit 5	0.00	19.87	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	37.92	0	0
Total	0.00	57.96		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.24	96.63	155	112
Unit 3	3.88	118.60	178	132
Unit 4	3.78	114.93	172	112
Unit 5	8.72	219.98	380	349
Unit 6	8.02	44.65	365	265
Unit 7	7.90	234.69	363	279
Total	35.53	829.48		
Paras				
Unit 3	4.84	141.58	210	160
Unit 4	4.81	144.04	206	195
Total	9.64	285.62		
Khaparkheda				
Unit 1	3.76	98.87	175	125
Unit 2	3.50	98.92	170	120
Unit 3	3.86	109.19	173	150
Unit 4	3.57	31.46	163	140
Unit 5	9.17	274.08	425	335
Total	23.86	612.51		
Nasik				
Unit 3	2.69	126.82	185	0
Unit 4	4.50	118.62	195	180
Unit 5	0.00	0.00	0	0
Total	7.20	245.43		
Uran				
All Units	5.82	169.91	267	128
Total	5.82	169.91		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.04	4.44	23	0
Total	0.04	4.44		
Koyna				
Stage 1-2	1.79	91.70	380	40
Stage 4	0.42	56.67	140	0
Stage 3	0.93	40.59	160	0
Total	3.14	188.96		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.29	1.43	61	0
TILLARI	0.17	2.25	58	0
BHTGR/VEER	0.07	1.62	3	2
BHIRA T.R.	0.33	7.96	80	0
RNGR+BHTSA	0.00	3.28	0	0
BHANDARDRA	0.99	5.94	42	41
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	1.07	19.19	250	0
Total	2.91	43.05		
Wind				
Total	47.09	1034.83	0	0
Total	47.09	1034.83		
CPP				
APML(Mus)	41.86	1351.06	0	0
JSWEL(Mus)	18.40	516.25	0	0
VIPL(Mus)	4.60	243.54	0	0
RPLAMT(Mus)	13.20	341.84	0	0
WPCL(Mus)	2.88	83.46	0	0
Other(Mus)	2.91	105.79	0	0
Total	83.84	2641.94		
SOLAR				
Total	0.96	26.50	0	0
Total	0.96	26.50		
Tata				
Trombay 5	10.05	299.78	491	295
Trombay 6	0.00	8.40	0	0
Trombay 7A	1.82	41.43	114	44
Trombay 7B	0.00	24.24	0	0
Trombay 8	5.39	159.22	249	169
TATA Hydro	2.96	89.85	221	0
Total	20.22	622.92		
R-INFRA				
1-2	11.30	290.53	517	395
Total	11.30	290.53		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	104.94	2764.87
MSPGCL Thml+Gas	110.76	2934.78

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.06	232.00
MSPGCL Total	116.82	3166.78

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.21	148.37
State Total	280.24	7783.50

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 28/Jul/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	4289	109	128	4526	1830	3445	0	3235	3259	-902	12158	57	12215	2033	14248	49.96
2	4346	85	168	4599	1782	3442	0	3289	3181	-860	12144	40	12184	1844	14028	49.98
3	4360	85	170	4615	1879	3413	0	3235	2778	-827	11858	40	11898	1756	13654	49.99
4	4358	85	170	4613	1822	3348	0	2805	2712	-780	11715	40	11755	1705	13460	50.00
5	4366	95	207	4668	1941	3400	0	2734	2752	-781	11980	40	12020	1709	13729	49.99
6	4391	90	264	4745	2050	3600	0	3236	3277	-873	12799	43	12842	1805	14647	49.99
7	4392	309	262	4963	2162	3337	1	3340	3655	-948	13170	45	13215	1948	15163	50.00
8	4410	201	262	4873	2317	3634	22	3786	3815	-1089	13572	47	13619	2133	15752	50.01
9	4438	84	264	4786	2216	3597	55	3975	4222	-1275	13601	47	13648	2452	16100	49.98
10	4424	324	266	5014	2289	3614	80	3693	3936	-1372	13561	49	13610	2793	16403	49.93
11	4455	322	267	5044	2106	3512	106	3988	3934	-1485	13217	49	13266	2994	16260	49.96
12	4479	224	259	4962	2192	3585	155	4074	4051	-1525	13420	47	13467	3030	16497	49.97
13	4540	89	258	4887	2145	3384	113	3874	3660	-1415	12774	45	12819	2991	15810	50.01
14	4543	84	264	4891	2005	3402	120	3669	3635	-1359	12694	42	12736	2864	15600	49.99
15	4460	84	264	4808	2159	3424	104	3545	3781	-1309	12967	42	13009	2856	15865	49.95
16	4350	84	262	4696	2045	3403	78	3562	3681	-1246	12657	42	12699	2775	15474	49.98
17	4398	84	266	4748	2022	3455	64	3541	3754	-1331	12712	39	12751	2822	15573	49.93
18	4401	89	266	4756	1961	3454	53	3331	2946	-1291	11879	37	11916	2807	14723	49.98
19	4264	533	262	5059	1926	3464	5	3090	2847	-1350	11951	37	11988	2741	14729	49.97
20	4258	1017	263	5538	1827	3407	0	3402	3482	-1184	13070	38	13108	2711	15819	49.83
21	4254	796	257	5307	1633	3643	0	3559	3670	-1091	13162	38	13200	2612	15812	49.93
22	4292	564	259	5115	1467	3654	0	3445	3550	-951	12835	38	12873	2483	15356	49.91
23	4225	429	256	4910	1707	3646	0	3447	3318	-841	12740	38	12778	2336	15114	49.96
24	4248	191	260	4699	1607	3578	0	3210	3169	-770	12283	38	12321	2185	14506	49.98
MUs	104.94	6.06	5.82	116.82	47.09	83.84	0.96	83.06	83.07	-26.85	304.92	1.02	305.94	58.39	364.32	49.97

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 28/Jul/2015

Position as on 6.30 Hrs of 29/Jul/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	Bhira PSU	150	09/06/2015	10.53		Continued.	Stator Earth Fault	
MSPGCL	Nasik Unit 5	210	30/06/2015	23.50		Continued.	Annual Overhaul	
IPP	VIPL U-1	300	14/07/2015	23.58		Continued.	AOH.	
TPC-G	Trombay 7B	60	17/07/2015	20.00		Continued.	Gas Path Inspection	
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	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
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	
MSPGCL	Koyna STG- IV Unit - 1	250	09/06/2015	14.22		Continued.	Excitation T/F Burst	
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	
IPP	JSW (J) U1	300	29/06/2015	13.32	28/07/2015	20.08	Turbine bearing Vabration high	
IPP	Adani U-3	660	04/07/2015	15:03		Continued.	Super heater drain leakage.	
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	18/07/2015	00.00		Continued.	FD Fan Problem.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Jul/2015

Position as on 6.30 Hrs of 29/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-2	270	21/07/2015	07.00	29/07/2015	01.21	Abnormal Sound Found.	
MSPGCL	Koradi Unit-8	660	27/07/2015	13.48		Continued.	Furnace Metal Temp.High.	
MSPGCL	Uran Unit A0	120	27/07/2015	22.30	28/07/2015	05.10	Bearing Vibration High.	
MSPGCL	Uran Unit 5	108	27/07/2015	22.30	28/07/2015	01.04	Bearing Vibration High.	
IPP	WPCL U-3	135	28/07/2015	08.07		Continued.	filter problem	
MSPGCL	Nasik Unit 3	210	28/07/2015	14.55		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 5	500	29/07/2015	06.29		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 29/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Wardha PG - Aurangabad PG IV	InterState	13/07/2015	07.19		Continued.	HT	To Control Padgha-BBLR Line Loading.
Raichur(PG)-Solapur(PG)- I	InterState	28/07/2015	11.51	28/07/2015	12.52	T	Distance Protection
Raichur(PG)-Solapur(PG)- II	InterState	28/07/2015	11.51	28/07/2015	13.08	T	Distance Protection
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 2	IntraState	26/07/2015	10.55		Continued.	PO	For Replacement of BHEL Make Smoothing Reactor (Outage upto 4.8.15).
Chandrapur - Padghe Hvdc Pole 1	IntraState	27/07/2015	19.10	28/07/2015	00.01	EO	DC Capacitor Oil Leakage Attending.
400 KV LINE Outages/Trippings							
Kolhapur Mapusa II	InterState	27/07/2015	16.03	28/07/2015	07.43	HT	Over Voltage
Padgha Tarapur II	InterState	27/07/2015	16.12	28/07/2015	12.12	T	Dist.Prot.R Ph Earth.
Kolhapur Solapur (PG) II	InterState	27/07/2015	22.06	28/07/2015	07.30	HT	Over Voltage
Padgha Tarapur I	InterState	27/07/2015	23.47	28/07/2015	12.22	T	Distance Protection
Dhule Khandwa I	InterState	28/07/2015	13.54	28/07/2015	18.45	PO	Insulator Replacement Work
Kolhapur Mapusa I	InterState	28/07/2015	17.05		Continued.	HT	Over Voltage
Chandrapur Bhadravati IV	InterState	28/07/2015	17.48	28/07/2015	18.18	PO	Attending Hot Spot
Kolhapur Solapur(PG) I	InterState	28/07/2015	22.33	29/07/2015	06.34	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	22/07/2015	21.04		Continued.	HT	To Control Padgha-Bblsr Line Loading.
Padghe - Nagothane - I	IntraState	27/07/2015	04.47		Continued.	HT	Opportunity Outage Given for Replacement of Damaged Insulator from 10.50 Hrs (RFC @ 17.45 Hrs).
karad -kolhapur-II	IntraState	27/07/2015	16.35	28/07/2015	08.41	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	27/07/2015	17.18	28/07/2015	06.23	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/07/2015	17.57	28/07/2015	08.23	HT	Over Voltage
Karad-Jaigad - I	IntraState	27/07/2015	18.11	28/07/2015	08.43	HT	Over Voltage
karad -kolhapur-II	IntraState	28/07/2015	12.31		Continued.	HT	Over Voltage
Padghe - Kalwa-II	IntraState	28/07/2015	15.39	28/07/2015	21.02	T	Distance Protection
Babhaleshwar - Bhusawal II	IntraState	28/07/2015	16.08	28/07/2015	20.13	PO	WT hanging support broken
Padghe - Kalwa- I	IntraState	28/07/2015	17.13	28/07/2015	17.49	T	heavy sparking observed at breaker line charge through tbc
Karad - Jaigad - II	IntraState	28/07/2015	18.01		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/07/2015	21.17		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/07/2015	21.20		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 105mva 1 Ph Spare Ict @New Koyna	IntraState	28/07/2015	12.08	28/07/2015	17.04	PO	commissioning of bulcolz relay
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	27/07/2015	09.45	28/07/2015	19.44	PO	Line Maintenance work
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

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 28/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 29/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Loteparshuram- Dasturi Line	IntraState	28/07/2015	07.25	28/07/2015	14.45	PO	Annual Maintenance Work
Kandalgaon - Koyana	IntraState	28/07/2015	09.38	28/07/2015	14.30	PO	Annual Maintenance Work
Kharepatan -Pawas Line	IntraState	28/07/2015	12.27	28/07/2015	14.33	PO	Attending Hot Spot
Butibori - VIPL Ckt II	IntraState	29/07/2015	01.37		Continued.	HT	DC leakage work
Boisar(M) - Ghodbunder	IntraState	29/07/2015	06.08		Continued.	PO	Attending Hot Spot
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132kv 100 Mva Ict 2 @Peth	IntraState	28/07/2015	09.32		Continued.	PO	Quarterly Maintainance Work