

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Jul/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	97.894	2862.762	1) Gujrat	8.548	112.644
2) Hydro	6.456	238.460	2) Madhya Pradesh	7.851	457.529
3) Gas	6.263	176.172	3) Chattisgarh	3.040	155.890
Total MSPGCL	110.613	3277.394	4) Maharashtra Net	62.858	2787.000
B) 1) APLM	46.810	1397.870	5) Goa	-5.668	-187.406
2) JSWEL	23.227	539.474	6) TAPS 1&2 Injection	2.763	82.321
3) VIPL	4.598	248.141	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	16.315	358.158	8) Pench (MS)	0.109	4.552
5) WPCL	3.624	87.080	9) Pench (Excess)	-0.109	-4.164
6) Other IPP	3.015	108.802	Total	79.283	3403.814
C) 1) TPCL Thermal	14.605	481.997	a) Mumbai Schedule	22.227	745.672
2) TPCL Hydro	2.987	92.841	b) Mumbai Drawl	27.714	815.121
3) TPCL Gas	1.631	67.306	c) MSEDCL Bilateral *	25.840	998.544
4) R-INFRA Thermal	10.990	301.520	Include PX	-1.087	195.482
D) STATE			d) Mumbai Bilateral *	22.227	745.672
1) Thermal	221.078	6385.804	Include PX	3.464	156.388
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	9.443	331.301	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	7.894	243.478	1) MSEDCL	309.034	9716.203
4) Wind	48.376	1083.207	2) Mumbai Discoms	57.925	1758.787
6) SOLAR	0.887	27.384	TOTAL STATE	366.959	11474.990
TOTAL STATE	287.678	8071.174			

* 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 4 Hrs
MSPGCL Thermal	4139	4157	3891	4035
MSPGCL Hydro	388	81	655	91
MSPGCL Gas	260	260	262	266
MSPGCL Total Generation	4787	4498	4808	4392
Central Sector Receipt	3935	3560	3559	2601
WIND	2099	2193	1722	1918
CPP / IPP	4319	4227	4486	3684
SOLAR	99	120	0	0
Exchange with Mumbai	-1541	-1558	-1220	-718
MSEDCL DEMAND MET	13698	13040	13355	11877
Load Shedding	50	46	39	42
MSEDCL DEMAND	13748	13086	13394	11919
TPCL GENERATION	940	931	952	582
R-INFRA GENERATION	515	515	515	396
MUMBAI DEMAND	2996	3004	2687	1696
STATE DEMAND MET	16694	16044	16042	13573
STATE DEMAND	16744	16090	16081	13615
Frequency (Hz)	49.97	50.00	49.86	49.98

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.2 Hz at 18.00 Hrs	49.7 Hz at 19.09 Hrs	49.95	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 29/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.33	40.32	160	123
Unit 6	0.00	0.00	0	0
Unit 7	3.58	92.84	165	135
Total	6.92	133.15		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.96	107.94	170	160
Unit 4	9.10	255.42	395	360
Unit 5	1.71	259.05	280	0
Total	14.77	622.40		
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	3.22	99.85	146	115
Unit 3	4.22	122.83	200	165
Unit 4	4.08	119.01	181	130
Unit 5	8.46	228.43	380	255
Unit 6	8.37	53.02	382	270
Unit 7	8.42	243.12	383	282
Total	36.78	866.26		
Paras				
Unit 3	5.27	146.85	242	196
Unit 4	5.42	149.46	241	200
Total	10.69	296.31		
Khaparkheda				
Unit 1	3.63	102.50	175	85
Unit 2	3.61	102.52	170	105
Unit 3	3.15	112.33	176	0
Unit 4	4.12	35.57	181	161
Unit 5	9.70	283.79	460	360
Total	24.21	636.72		
Nasik				
Unit 3	0.00	126.82	0	0
Unit 4	4.53	123.15	200	174
Unit 5	0.00	0.00	0	0
Total	4.53	249.96		
Uran				
All Units	6.26	176.17	266	256
Total	6.26	176.17		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.11	4.55	40	0
Total	0.11	4.55		
Koyna				
Stage 1-2	2.52	94.22	460	40
Stage 4	0.00	56.67	0	0
Stage 3	0.89	41.48	160	0
Total	3.41	192.37		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.22	1.66	60	0
TILLARI	0.00	2.25	0	0
BHTGR/VEER	0.07	1.70	4	3
BHIRA T.R.	0.41	8.37	80	0
RNGR+BHTSA	0.00	3.28	0	0
BHANDARDRA	0.91	6.85	38	37
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	1.43	20.62	250	0
Total	3.04	46.09		
Wind				
Total	48.38	1083.21	0	0
Total	48.38	1083.21		
CPP				
APML(Mus)	46.81	1397.87	0	0
JSWEL(Mus)	23.23	539.47	0	0
VIPL(Mus)	4.60	248.14	0	0
RPLAMT(Mus)	16.32	358.16	0	0
WPCL(Mus)	3.62	87.08	0	0
Other(Mus)	3.02	108.80	0	0
Total	97.59	2739.52		
SOLAR				
Total	0.89	27.38	0	0
Total	0.89	27.38		
Tata				
Trombay 5	9.20	308.97	492	316
Trombay 6	0.00	8.40	0	0
Trombay 7A	1.63	43.06	104	64
Trombay 7B	0.00	24.24	0	0
Trombay 8	5.41	164.62	249	196
TATA Hydro	2.99	92.84	222	0
Total	19.22	642.14		
R-INFRA				
1-2	10.99	301.52	517	395
Total	10.99	301.52		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	97.89	2862.76
MSPGCL Thml+Gas	104.16	3038.93

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.46	238.46
MSPGCL Total	110.61	3277.39

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.52	150.89
State Total	287.68	8071.17

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 29/Jul/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	4246	94	266	4606	1870	3558	0	3289	3233	-896	12371	60	12431	1992	14423	49.94
2	4079	81	266	4426	1676	3584	0	3195	3259	-788	12157	42	12199	1835	14034	49.94
3	4009	81	266	4356	1895	3656	0	2908	3110	-671	12346	42	12388	1743	14131	49.91
4	4035	91	266	4392	1918	3684	0	2825	2601	-718	11877	42	11919	1696	13615	49.98
5	4046	81	263	4390	1941	3610	0	2871	2974	-699	12216	42	12258	1679	13937	49.97
6	4206	121	258	4585	1968	3814	0	3308	3228	-819	12776	44	12820	1799	14619	49.99
7	4170	531	257	4958	1952	3762	4	3605	3517	-862	13331	46	13377	1953	15330	49.89
8	4211	426	257	4894	2084	4199	28	3813	3696	-1020	13881	48	13929	2121	16050	49.92
9	4177	460	257	4894	2243	4028	60	4054	3816	-1323	13718	48	13766	2454	16220	49.97
10	4178	611	259	5048	2205	4233	87	3958	3651	-1419	13805	50	13855	2728	16583	49.92
11	4139	388	260	4787	2099	4319	99	3979	3935	-1541	13698	50	13748	2996	16744	49.97
12	4136	171	263	4570	2101	4450	117	3851	3625	-1519	13344	48	13392	3017	16409	49.96
13	4157	81	260	4498	2193	4227	120	3727	3560	-1558	13040	46	13086	3004	16090	50.00
14	4171	81	258	4510	2320	4018	119	3567	3358	-1399	12926	42	12968	2839	15807	49.98
15	4107	136	257	4500	2154	3957	104	3525	3613	-1332	12996	43	13039	2814	15853	49.89
16	4068	186	256	4510	2178	3934	59	3372	3522	-1331	12872	43	12915	2830	15745	49.94
17	4084	248	258	4590	2297	4202	62	3334	3111	-1408	12854	40	12894	2829	15723	49.95
18	4054	98	258	4410	2012	4027	23	3128	2984	-1411	12045	38	12083	2777	14860	49.99
19	3888	265	262	4415	1842	4041	5	3066	3211	-1265	12249	38	12287	2712	14999	49.95
20	3891	655	262	4808	1722	4486	0	3637	3559	-1220	13355	39	13394	2687	16081	49.86
21	3949	780	264	4993	1897	4371	0	3710	3209	-1249	13221	39	13260	2587	15847	49.96
22	3952	386	264	4602	1943	4481	0	3373	3013	-1124	12915	39	12954	2429	15383	49.95
23	3933	217	264	4414	1971	4442	0	3080	2939	-1123	12643	39	12682	2273	14955	49.94
24	4008	187	262	4457	1895	4506	0	3211	2559	-1019	12398	39	12437	2133	14570	50.00
MUs	97.89	6.46	6.26	110.61	48.38	97.59	0.89	82.39	79.28	-27.71	309.03	1.05	310.08	57.93	368.01	49.95

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 29/Jul/2015

Position as on 6.30 Hrs of 30/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	
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	
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	
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	29/07/2015	00.44	FD Fan Problem.	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Jul/2015

Position as on 6.30 Hrs of 30/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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	
IPP	RPL(AMT) U-4	270	29/07/2015	11.40	29/07/2015	13.26	Bus fault	
IPP	RPL(AMT) U-4	270	29/07/2015	13.33	29/07/2015	15.17	Bus fault	
MSPGCL	Khaparkheda Unit 3	210	29/07/2015	18.09		Continued.	ID Fan Problem	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 30/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 Padhga-BBLR Line Loading.
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).
400 KV LINE Outages/Trippings							
Kolhapur Mapusa I	InterState	28/07/2015	17.05	29/07/2015	07.10	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	28/07/2015	22.33	29/07/2015	06.34	HT	Over Voltage
Chandrapur Bhadravati II	InterState	29/07/2015	10.50	29/07/2015	17.43	PO	Insulator Replacement Work
Dhule Khandwa II	InterState	29/07/2015	11.57	29/07/2015	16.50	PO	Insulator Replacement Work
Dhule Sar'Sarovar I	InterState	29/07/2015	17.14	30/07/2015	06.52	HT	Over Voltage
Kolhapur Mapusa II	InterState	29/07/2015	17.54		Continued.	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	28/07/2015	12.31	29/07/2015	08.46	HT	Over Voltage
Karad - Jaigad - II	IntraState	28/07/2015	18.01	29/07/2015	08.49	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/07/2015	21.17	29/07/2015	06.57	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/07/2015	21.20	29/07/2015	09.49	HT	Over Voltage
Deepnagar Taptitanda	IntraState	29/07/2015	07.14	29/07/2015	19.04	PO	Line Maintenance work
karad -kolhapur-II	IntraState	29/07/2015	16.33		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	29/07/2015	17.24		Continued.	HT	Over Voltage
Chandrapur-Parali III	IntraState	29/07/2015	17.27	29/07/2015	19.07	T	over volt protection from parly end
Lonikand I - Koyna stage-IV	IntraState	29/07/2015	22.36	30/07/2015	06.28	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	29/07/2015	23.14	30/07/2015	06.49	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT I @Babhleshwar	IntraState	29/07/2015	20.10	29/07/2015	20.25	T	Lv side PDR relay operated
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	29/07/2015	09.50	29/07/2015	19.15	PO	Insulator Replacement 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
Butibori - VIPL Ckt II	IntraState	29/07/2015	01.37		Continued.	HT	DC leakage work
Boisar(M) - Ghodbunder	IntraState	29/07/2015	06.08	29/07/2015	09.11	PO	Attending Hot Spot
Mahad - Pedambe	IntraState	29/07/2015	08.45	29/07/2015	10.55	PO	oil top up work
Chakan (400kv)-Bridgestone	IntraState	29/07/2015	11.01		Continued.	PO	Replacement work
Sonkhar - Trombay	IntraState	29/07/2015	14.46	29/07/2015	14.52	PO	Annual Maintenance Work
Lamboti -Solapur li(Bale) Ckt- li	IntraState	29/07/2015	17.07	29/07/2015	19.20	PO	Attending Hot Spot
Osmanabad - Solapur (Bale)	IntraState	29/07/2015	18.54	29/07/2015	19.36	HT	load shifted on parly ict

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 29/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 30/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Osmanabad - Solapur (Bale)	IntraState	29/07/2015	19.37		Continued.	HT	load taken on tbc
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
220/100 Kv 200 MVA ICT-I @Borivali	IntraState	29/07/2015	23.15	29/07/2015	23.35	EO	birdnest removed

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