

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 30/Jun/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	109.166	3674.598	1) Gujrat	-8.710	-156.791
2) Hydro	4.292	116.474	2) Madhya Pradesh	6.073	279.463
3) Gas	5.986	245.063	3) Chattisgarh	5.600	210.700
Total MSPGCL	119.444	4036.135	4) Maharashtra Net	74.293	3089.281
B) 1) APLM	19.236	383.564	5) Goa (Amona)	-0.684	-21.040
2) JSWEL	19.550	597.773	6) TAPS 1&2 Injection	3.701	108.789
3) VIPL	10.110	343.041	7) RGPPL Injection	11.630	345.272
4) RPL(AMT)	6.815	501.767	8) Pench (MS)	0.107	2.345
5) WPCL	4.164	118.382	9) Pench (Excess)	-0.107	-2.345
6) Other IPP	3.314	130.959	Total	91.796	3853.329
C) 1) TPCL Thermal	17.003	475.771	a) Mumbai Schedule	18.825	750.823
2) TPCL Hydro	4.875	77.416	b) Mumbai Drawl	20.091	935.223
3) TPCL Gas	3.828	106.837	c) MSEDCL Bilateral *	33.197	1073.073
4) R-INFRA Thermal	11.138	335.662	Include PX	-1.446	7.062
D) STATE			d) Mumbai Bilateral *	18.825	750.823
1) Thermal	200.496	6561.517	Include PX	0.754	145.898
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.167	193.890	H) ENERGY CATERED (MUs)		
3) Gas	9.814	351.900	1) MSEDCL	294.317	9943.029
4) Wind	39.155	884.227	2) Mumbai Discoms	56.934	1930.934
6) SOLAR	0.824	29.075	TOTAL STATE	351.251	11873.963
TOTAL STATE	259.456	8020.609			

* 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 21 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4524	4421	4888	4417
MSPGCL Hydro	482	93	145	70
MSPGCL Gas	256	243	254	253
MSPGCL Total Generation	5262	4757	5287	4740
Central Sector Receipt	4806	4423	4329	2479
WIND	1647	1663	1698	1721
CPP / IPP	2326	2414	3231	2385
SOLAR	62	107	0	0
Exchange with Mumbai	-1057	-1072	-1095	-419
MSEDCL DEMAND MET	13046	12292	13450	10906
Load Shedding	0	0	0	0
MSEDCL DEMAND	13046	12292	13450	10906
TPCL GENERATION	1358	1350	884	831
R-INFRA GENERATION	513	514	513	402
MUMBAI DEMAND	2928	2936	2492	1652
STATE DEMAND MET	15974	15228	15942	12558
STATE DEMAND	15974	15228	15942	12558
Frequency (Hz)	50.00	49.98	49.93	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 22:00 Hrs	49.81 Hz at 19:31 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 30/Jun/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.31	79.60	145	115
Unit 6	0.00	0.00	0	0
Unit 7	3.43	107.22	155	118
Unit 8	11.97	340.10	504	480
Total	18.71	526.92		
Bhusawal				
Unit 2	0.00	42.14	0	0
Unit 3	3.88	116.11	165	160
Unit 4	9.12	253.86	385	370
Unit 5	9.11	286.94	385	375
Total	22.10	699.04		
Parli				
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 3	3.78	108.78	199	125
Unit 4	3.92	122.73	185	147
Unit 5	3.73	250.15	370	0
Unit 6	8.94	288.66	420	345
Unit 7	8.44	263.43	375	334
Unit 8	2.31	54.13	159	0
Total	31.12	1087.88		
Paras				
Unit 3	4.98	163.00	249	186
Unit 4	5.12	160.12	250	190
Total	10.11	323.13		
Khaparkheda				
Unit 1	0.00	88.32	0	0
Unit 2	3.87	114.60	165	155
Unit 3	3.98	118.92	167	165
Unit 4	3.91	117.38	164	162
Unit 5	10.06	271.70	500	380
Total	21.81	710.92		
Nasik				
Unit 3	4.02	111.50	170	165
Unit 4	0.00	74.62	0	0
Unit 5	1.28	120.84	168	0
Total	5.31	306.97		
Uran				
All Units	5.99	245.06	256	237
Total	5.99	245.06		
PENCH (MS)				
Pench (MS)	0.11	2.34	47	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.11	2.34		
Koyna				
Stage 1-2	1.12	39.92	90	40
Stage 4	0.00	11.70	0	0
Stage 3	0.71	14.93	80	0
Total	1.82	66.56		
Hydro				
KDPH	0.17	2.30	17	0
VTRNA	0.25	9.53	60	0
TILLARI	0.00	2.38	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	5.24	40	0
RNGR+BHTSA	0.13	4.20	9	0
BHANDARDRA	0.00	0.11	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	0.58	0	0
GHATGHAR	1.48	25.57	250	0
Total	2.47	49.92		
Wind				
Total	39.16	884.23	0	0
Total	39.16	884.23		
CPP				
APML(Mus)	19.24	383.56	0	0
JSWEL(Mus)	19.55	597.77	0	0
VIPL(Mus)	10.11	343.04	0	0
RPLAMT(Mus)	6.82	501.77	0	0
WPCL(Mus)	4.16	118.38	0	0
Other(Mus)	3.31	130.96	0	0
Total	63.19	2075.49		
SOLAR				
Total	0.82	29.08	0	0
Total	0.82	29.08		
Tata				
Trombay 5	11.15	309.83	486	394
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.40	66.29	115	89
Trombay 7B	1.42	40.55	64	55
Trombay 8	5.85	165.94	252	232
TATA Hydro	4.88	77.42	447	6
Total	25.71	660.02		
R-INFRA				
1-2	11.14	335.66	514	401
Total	11.14	335.66		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	1.37
Koradi 9	0.00	18.36
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	109.17	3674.60
MSPGCL Thml+Gas	115.15	3919.66
MSPGCL Hydro	4.29	116.47

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	119.44	4036.14
Koyna 1,2 & 4 Total	1.12	51.62
State Total	259.46	8020.61

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 30/Jun/2016

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	MUMBAI DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4310	71	253	4634	2011	2393	0	3145	3487	-656	11869	0	11869	1880	13749	49.96
2	4339	71	242	4652	1822	2386	0	3227	3240	-577	11523	0	11523	1782	13305	49.97
3	4356	66	253	4675	1860	2388	0	3017	2782	-485	11220	0	11220	1698	12918	49.96
4	4417	70	253	4740	1721	2385	0	2440	2479	-419	10906	0	10906	1652	12558	49.97
5	4439	65	254	4758	1488	2383	0	2704	2952	-378	11203	0	11203	1655	12858	49.96
6	4499	70	253	4822	1315	2459	0	3079	3973	-468	12101	0	12101	1759	13860	49.98
7	4618	233	244	5095	1192	2478	3	3771	4448	-590	12626	0	12626	1859	14485	49.96
8	4612	435	255	5302	1048	2490	23	4336	4458	-762	12559	0	12559	2089	14648	49.98
9	4607	495	254	5356	1392	2472	61	4569	4594	-778	13097	0	13097	2329	15426	49.99
10	4588	497	253	5338	1464	2488	95	4797	4417	-933	12869	0	12869	2783	15652	49.98
11	4524	482	256	5262	1647	2326	62	4850	4806	-1057	13046	0	13046	2928	15974	50.00
12	4430	260	237	4927	1623	2311	113	4929	4462	-1077	12359	0	12359	2951	15310	49.97
13	4421	93	243	4757	1663	2414	107	4922	4423	-1072	12292	0	12292	2936	15228	49.98
14	4548	93	238	4879	1600	2434	110	4247	3751	-1021	11753	0	11753	2876	14629	49.99
15	4559	130	246	4935	1517	2554	83	3635	3783	-1033	11839	0	11839	2878	14717	49.96
16	4596	223	239	5058	1590	2638	80	3631	3957	-987	12336	0	12336	2830	15166	49.96
17	4592	224	253	5069	1841	2640	56	3473	3491	-962	12135	0	12135	2801	14936	49.98
18	4610	85	241	4936	1842	2719	24	3176	3287	-931	11877	0	11877	2762	14639	49.98
19	4635	80	253	4968	1579	2805	7	3401	3665	-960	12064	0	12064	2704	14768	49.97
20	4679	96	254	5029	1619	2964	0	4359	4706	-1063	13255	0	13255	2579	15834	49.92
21	4888	145	254	5287	1698	3231	0	4482	4329	-1095	13450	0	13450	2492	15942	49.93
22	4679	125	255	5059	1735	3394	0	4476	3989	-1055	13122	0	13122	2426	15548	49.96
23	4614	120	251	4985	1961	3314	0	4107	3271	-940	12591	0	12591	2216	14807	50.01
24	4606	63	252	4921	1927	3122	0	3018	3046	-792	12224	0	12224	2070	14294	49.99
MUs	109.17	4.29	5.99	119.44	39.16	63.19	0.82	91.79	91.80	-20.09	294.32	0.00	294.32	56.94	351.25	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 30/Jun/2016

Position as on 6.30 Hrs of 01/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown,(AOH for 06.03.2016 To 04.04.2016) Unit Test synch.07.04.2016 (12.03 To 12.30hrs)After overhaul	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
CENT.SECTOR	TARAPUR-3	540	23/05/2016	20.30		Continued.	Annual Maintenance Work.	
IPP	JSW (J) U3	300	21/06/2016	18.15		Continued.	Capital Overhaul	
MSPGCL	Khaparkheda Unit 1	210	25/06/2016	23.45		Continued.	A.O.H.	
MSPGCL	Koyna Unit 8	80	29/06/2016	08.20		Continued.	Turbine Maintenance Work.	
MSPGCL	Koyna STG- IV Unit - 1	250	29/06/2016	09.00		Continued.	Attending Servo Motor Oil Leakage(15 Days).	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
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	
CPP	WPCL U-1	135	16/02/2016	17.09		Continued.	No Schedule	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	Adani U-3	660	20/04/2016	03.33		Continued.	Furnace Pressure High	
IPP	Adani U-5	660	05/05/2016	23.09		Continued.	Due to Unavailblity of Water.	
RGPPL	Dabhol 3A	230	07/05/2016	18.44		Continued.	Low Vaccum	
IPP	Adani U-1	660	13/05/2016	22.53	30/06/2016	18.11	Water Shortage	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule From MSEDCL	
MSPGCL	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
IPP	Adani U-2	660	25/05/2016	21.22	30/06/2016	12.00	Water Shortage.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
MSPGCL	Chandrapur Unit 9	500	12/06/2016	18.13	30/06/2016	05.27	Low furnace pressure	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Schedule from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-2	270	18/06/2016	06.54		Continued.	Zero Shedule.	

State Load Despatch Center, Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 30/Jun/2016

Position as on 6.30 Hrs of 01/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Water Shortage.	
RGPPL	Dabhol 2B	230	20/06/2016	13.03		Continued.	Change Over.	
MSPGCL	Uran Unit B0	120	27/06/2016	06.42		Continued.	Maintenance work	
MSPGCL	Uran Unit 8	108	27/06/2016	06.43		Continued.	Maintenance work	
MSPGCL	Chandrapur Unit-8	500	28/06/2016	07.07	30/06/2016	01.16	M.S.Temperature Low	
MSPGCL	Chandrapur Unit 5	500	29/06/2016	01.45	30/06/2016	11.43	Air heater problem	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero schedule by MSEDCL	
MSPGCL	Chandrapur Unit 9	500	30/06/2016	05.45	30/06/2016	12.55	Drum level low	
MSPGCL	Nasik Unit 5	210	30/06/2016	08.10	01/07/2016	00.30	Turbine Problem	
IPP	RPL(AMT) U-4	270	30/06/2016	10.11		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	01/07/2016	02.23		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 7	210	01/07/2016	04.43		Continued.	Zero Shedule By MSEDCL.	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Tripping for 30/Jun/2016

Statement-VII

Position as on 6.30 Hrs of 01/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage	
400 KV LINE Outages/Tripping								
Dhule Sar'Sarovar I	InterState	28/06/2016	17.42			Continued.	HT	Over Voltage
Chandrapur II - Dhariwal -I	InterState	29/06/2016	09.07			Continued.	PO	Quarterly Maintainance Work
Kolhapur Solapur(PG) I	InterState	29/06/2016	11.32	30/06/2016	09.11		HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	30/06/2016	02.52	30/06/2016	06.30		T	Over Voltage
Dhule Sar'Sarovar II	InterState	30/06/2016	04.00	30/06/2016	06.30		T	Over Voltage
Kolhapur Solapur (PG) II	InterState	30/06/2016	17.06			Continued.	HT	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	21/06/2016	16.51			Continued.	HT	To Control Load on Padgha-BBLSR Line
Karad-Jaigad - I	IntraState	23/06/2016	13.12			Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	25/06/2016	14.08			Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	28/06/2016	18.29	30/06/2016	10.17		HT	Over Voltage
Chandrapur-II - Nanded	IntraState	28/06/2016	23.59	30/06/2016	19.05		T	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/06/2016	22.04	30/06/2016	08.41		HT	Over Voltage
Parly(MS)- Nanded	IntraState	30/06/2016	03.26	30/06/2016	05.30		T	Over Voltage
Lonikand 1 -Jejuri	IntraState	30/06/2016	09.08	30/06/2016	18.32		PO	Maintenance & Testing Work.
Dhule- Bableshwar - I	IntraState	30/06/2016	10.37	30/06/2016	15.12		PO	Maintenance & Testing Work.
Khadka-Aurangabad (Waluj)	IntraState	30/06/2016	15.58			Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	30/06/2016	21.11			Continued.	HT	Over Voltage
400 KV ICT Outages/Tripping								
400/220kv, 500 MVA ICT-III @Babhleshwar	IntraState	24/06/2016	19.25			Continued.	PO	shifted on TBC for main bus 1&2 outage
400/220kV 167MVA SPARE ICT-III @ Lonikand	IntraState	30/06/2016	11.35	30/06/2016	15.48		PO	Maintenance & Testing Work.
220 KV LINE Outages/Tripping								
Talandage - Chikodi	InterState	01/07/2016	03.03			Continued.	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.
GIS Bhandup - Borivali	IntraState	11/01/2016	07.42			Continued.	PO	Tower Erection Work.
Padghe - Vasai	IntraState	24/01/2016	08.32			Continued.	PO	For Formation of Temp. Padgha-Borivali (Charge upto 51/1).
Aurangabad (Waluj)-Bhenda	IntraState	22/06/2016	23.02			Continued.	HT	Hand Tripped.
Theur-Phursungi	IntraState	28/06/2016	09.48			Continued.	PO	Taken on TBC at Theur
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17			Continued.	T	Distance Protection
Kalwa Salsette III	IntraState	29/06/2016	00.59	30/06/2016	18.28		EO	Attending Tilted Tower work
Trombay Salsette 1 Backbay	IntraState	29/06/2016	11.05			Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.
Dahanu-Viraj	IntraState	30/06/2016	08.50	30/06/2016	18.43		HT	Control Kalwa-Borivali Line Loadaing.
Centuri Enka- Bhosari	IntraState	30/06/2016	10.10	30/06/2016	18.08		PO	Maintenance & Testing Work.
Pedambe-Nerle	IntraState	30/06/2016	12.29	30/06/2016	13.18		T	Distance Protection
Pedambe-Nerle	IntraState	30/06/2016	14.07	30/06/2016	15.20		T	Distance Protection
Niwali - Pawas Line	IntraState	30/06/2016	15.20	30/06/2016	15.46		T	Distance Protection
220 KV ICT Outages/Tripping								
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16			Continued.	T	Failed on internal Fault(Now repaired and ready for

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 30/Jun/2016

Statement-VII

Position as on 6.30 Hrs of 01/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							commissioning)
100 KV LINE Outages/Trippings							
Vasai-li - Vasai 1 Line	IntraState	29/06/2016	11.28		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.
Vasai-li - Vasai 2 Line	IntraState	29/06/2016	11.30		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.

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