

State Load Despatch Center,Airoli (MSETCL) Statement I
Daily system Report for 22/Jul/2015 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	100.008	2135.420	1) Gujrat	1.320	72.442
2) Hydro	6.260	197.793	2) Madhya Pradesh	16.769	380.936
3) Gas	4.311	132.253	3) Chattisgarh	5.550	131.400
Total MSPGCL	110.579	2465.466	4) Maharashtra Net	92.339	2269.354
B) 1) APML	55.310	1082.420	5) Goa	-6.394	-145.896
2) JSWEL	19.050	407.942	6) TAPS 1&2 Injection	2.808	62.858
3) VIPL	5.832	214.418	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	5.860	276.664	8) Pench (MS)	0.249	4.130
5) WPCL	2.484	66.636	9) Pench (Excess)	-0.249	-3.742
6) Other IPP	4.000	87.909	Total	112.143	2767.352
C) 1) TPCL Thermal	16.146	375.695	a) Mumbai Schedule	24.724	587.917
2) TPCL Hydro	3.254	70.303	b) Mumbai Drawl	28.536	627.897
3) TPCL Gas	0.000	62.906	c) MSEDCL Bilateral *	23.523	831.557
4) R-INFRA Thermal	11.535	223.428	Include PX	0.102	196.628
D) STATE			d) Mumbai Bilateral *	24.724	587.917
1) Thermal	220.225	4870.532	Include PX	6.759	115.924
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.514	268.096	H) ENERGY CATERED (MUs)		
3) Gas	4.311	195.159	1) MSEDCL	320.031	7492.462
4) Wind	32.570	804.589	2) Mumbai Discoms	59.473	1360.231
6) SOLAR	0.739	21.691	TOTAL STATE	379.504	8852.693
TOTAL STATE	267.359	6160.067			

* 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	4350	4357	4264	3805
MSPGCL Hydro	320	340	200	42
MSPGCL Gas	138	132	270	136
MSPGCL Total Generation	4808	4829	4734	3983
Central Sector Receipt	5038	5388	5082	4306
WIND	1594	1269	1070	1447
CPP / IPP	4047	3979	4081	3430
SOLAR	90	111	0	0
Exchange with Mumbai	-1555	-1485	-1185	-877
MSEDCL DEMAND MET	14022	14091	13782	12289
Load Shedding	51	47	39	45
MSEDCL DEMAND	14073	14138	13821	12334
TPCL GENERATION	972	1004	951	522
R-INFRA GENERATION	508	514	518	396
MUMBAI DEMAND	3035	3003	2654	1795
STATE DEMAND MET	17057	17094	16436	14084
STATE DEMAND	17108	17141	16475	14129
Frequency (Hz)	50.01	50.00	49.91	50.01

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 13:00 Hrs	49.73 Hz at 19:42 Hrs	49.96	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 22/Jul/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	21.91	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.34	67.52	145	125
Total	3.34	89.43		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	4.18	79.91	185	165
Unit 4	10.62	190.36	500	355
Unit 5	10.17	202.72	480	380
Total	24.98	473.00		
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	3.50	76.53	153	130
Unit 3	3.94	94.22	194	146
Unit 4	4.08	90.76	190	150
Unit 5	8.86	168.16	380	365
Unit 6	3.11	3.11	230	0
Unit 7	8.00	188.05	360	263
Total	31.51	620.83		
Paras				
Unit 3	5.06	112.96	230	188
Unit 4	4.93	114.90	232	195
Total	10.00	227.86		
Khaparkheda				
Unit 1	3.59	77.47	180	115
Unit 2	3.55	79.26	160	120
Unit 3	3.40	85.54	189	100
Unit 4	1.15	12.15	165	0
Unit 5	9.60	218.77	436	330
Total	21.29	473.18		
Nasik				
Unit 3	4.46	101.52	195	180
Unit 4	4.45	91.64	194	179
Unit 5	0.00	0.00	0	0
Total	8.91	193.16		
Uran				
All Units	4.31	132.25	273	132
Total	4.31	132.25		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.25	4.13	49	0
Total	0.25	4.13		
Koyna				
Stage 1-2	2.83	81.48	495	40
Stage 4	0.43	55.81	214	0
Stage 3	0.95	33.66	80	0
Total	4.21	170.95		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.41	0	0
TILLARI	0.00	1.08	0	0
BHTGR/VEER	0.03	1.25	2	1
BHIRA T.R.	0.60	5.69	80	0
RNGR+BHTSA	0.00	3.28	0	0
BHANDARDRA	0.35	1.02	45	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	1.08	12.74	217	0
Total	2.05	26.84		
Wind				
Total	32.57	804.59	0	0
Total	32.57	804.59		
CPP				
APML(Mus)	55.31	1082.42	0	0
JSWEL(Mus)	19.05	407.94	0	0
VIPL(Mus)	5.83	214.42	0	0
RPLAMT(Mus)	5.86	276.66	0	0
WPCL(Mus)	2.48	66.64	0	0
Other(Mus)	4.00	87.91	0	0
Total	92.54	2135.99		
SOLAR				
Total	0.74	21.69	0	0
Total	0.74	21.69		
Tata				
Trombay 5	10.50	240.59	494	319
Trombay 6	0.00	8.40	0	0
Trombay 7A	0.00	38.66	0	0
Trombay 7B	0.00	24.24	0	0
Trombay 8	5.64	126.70	251	199
TATA Hydro	3.25	70.30	282	0
Total	19.40	508.90		
R-INFRA				
1-2	11.54	223.43	518	395
Total	11.54	223.43		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	100.01	2135.42
MSPGCL Thml+Gas	104.32	2267.67

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	6.26	197.79
MSPGCL Total	110.58	2465.47

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	3.26	137.29
State Total	267.36	6160.07

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/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	3864	171	137	4172	1453	3427	0	4435	4813	-1065	12800	62	12862	2103	14965	49.92
2	3841	81	138	4060	1450	3612	0	4320	4306	-982	12446	45	12491	1935	14426	49.96
3	3762	47	136	3945	1468	3601	0	4288	4216	-925	12305	45	12350	1846	14196	49.94
4	3805	42	136	3983	1447	3430	0	4275	4306	-877	12289	45	12334	1795	14129	50.01
5	3866	47	135	4048	1541	3163	0	4282	4562	-871	12443	45	12488	1786	14274	49.97
6	3985	207	137	4329	1447	3228	0	4330	4696	-860	12840	45	12885	1883	14768	49.91
7	4249	552	138	4939	1397	3765	2	4360	4454	-906	13651	47	13698	2018	15716	49.95
8	4257	486	138	4881	1309	4063	18	4391	4697	-917	14051	49	14100	2189	16289	49.97
9	4275	695	141	5111	1370	4038	37	4723	4980	-1177	14359	49	14408	2502	16910	50.00
10	4279	621	136	5036	1541	4002	69	4961	4757	-1364	14041	51	14092	2811	16903	49.97
11	4350	320	138	4808	1594	4047	90	5228	5038	-1555	14022	51	14073	3035	17108	50.01
12	4346	280	135	4761	1371	4028	87	5155	5229	-1522	13954	49	14003	3038	17041	49.98
13	4357	340	132	4829	1269	3979	111	4965	5388	-1485	14091	47	14138	3003	17141	50.00
14	4283	355	137	4775	1332	3970	106	4833	4813	-1383	13613	41	13654	2886	16540	50.02
15	4312	262	154	4728	1308	4093	95	4849	4910	-1383	13751	44	13795	2872	16667	49.95
16	4334	256	195	4785	1471	4024	60	4855	4803	-1402	13741	44	13785	2866	16651	49.99
17	4331	166	195	4692	1453	4061	39	4852	4793	-1378	13660	41	13701	2853	16554	49.95
18	4263	106	223	4592	1274	3837	21	4721	4351	-1411	12664	39	12703	2841	15544	49.97
19	4200	70	269	4539	1299	3810	4	4181	4568	-1235	12985	39	13024	2770	15794	49.93
20	4243	487	272	5002	1165	3982	0	4385	4474	-1212	13411	39	13450	2748	16198	49.87
21	4264	200	270	4734	1070	4081	0	4885	5082	-1185	13782	39	13821	2654	16475	49.91
22	4293	139	273	4705	1049	4150	0	4731	4526	-1156	13274	39	13313	2506	15819	49.95
23	4173	126	273	4572	1352	4119	0	4292	4113	-1128	13028	39	13067	2383	15450	49.97
24	4076	204	273	4553	1140	4026	0	3989	4268	-1157	12830	39	12869	2148	15017	49.97
MUs	100.01	6.26	4.31	110.58	32.57	92.54	0.74	110.29	112.14	-28.54	320.03	1.07	321.10	59.47	380.57	49.96

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 22/Jul/2015

Position as on 6.30 Hrs of 23/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	Chandrapur Unit 6	500	09/06/2015	23.58	22/07/2015	03.13	COH	
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	
TPC-G	Trombay 7A	120	17/07/2015	20.38		Continued.	Gas path Inspection and Rotor replacement	
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	
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	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	
CPP	WPCL U-4	135	11/07/2015	06.58		Continued.	ID Fan Vibration High	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 22/Jul/2015

Position as on 6.30 Hrs of 23/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-3	270	16/07/2015	18.26		Continued.	PA Fan problem	
CPP	WPCL U-1	135	18/07/2015	00.00		Continued.	FD Fan Problem.	
IPP	RPL(AMT) U-4	270	18/07/2015	18.15	22/07/2015	18.36	ID Fan Problem	
MSPGCL	Koradi Unit 5	200	18/07/2015	20.57		Continued.	ID Fan Problem	
MSPGCL	Uran Unit 5	108	18/07/2015	21.20		Continued.	Boiler Validity Extension	
MSPGCL	Khaparkheda Unit 4	210	20/07/2015	16.59	22/07/2015	10.12	Turbine Vibration High.	
MSPGCL	Koradi Unit-8	660	21/07/2015	03.12		Continued.	Tripped.	
IPP	RPL(AMT) U-2	270	21/07/2015	07.00		Continued.	Abnotmal Sound Found.	
MSPGCL	Uran Unit B0	120	21/07/2015	21.24	22/07/2015	17.54	Deviation Problem.	
MSPGCL	Uran Unit 8	108	21/07/2015	21.24	22/07/2015	14.24	Fuel Gas Control System.	
MSPGCL	Khaparkheda Unit 4	210	22/07/2015	19.03		Continued.	Turbine bearing Vabration high	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 22/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 23/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							
HVDC Pole-I	IntraState	22/07/2015	23.32	22/07/2015	23.55	PO	To Resolve Cooling Pump problem.
400 KV LINE Outages/Trippings							
Dhule Sar'Sarovar I	InterState	20/07/2015	23.04	23/07/2015	05.42	HT	Over Voltage(While Taking in Service Again Tripped & Breakdown)
Dhule Sar'Sarovar II	InterState	21/07/2015	00.07	22/07/2015	20.04	T	Distance Protection
Kolhapur Mapusa II	InterState	21/07/2015	16.45	22/07/2015	09.25	HT	Over Voltage
Kolhapur Mapusa I	InterState	22/07/2015	18.08		Continued.	HT	Over Voltage
Dhule Sar'Sarovar II	InterState	23/07/2015	03.59		Continued.	T	Distance Protection
Dhule Sar'Sarovar I	InterState	23/07/2015	05.42		Continued.	T	Distance Protection
Babhaleshwar-Taptitanda ckt-II	IntraState	14/07/2015	08.48	23/07/2015	05.53	HT	Over Voltage
Nagothane - Dabhol-II	IntraState	14/07/2015	12.33		Continued.	T	Distance Protection
Akola II - Taptitanda ckt-II	IntraState	20/07/2015	17.29		Continued.	HT	Over Voltage
New Koyna - Dabhol-I	IntraState	21/07/2015	03.27	22/07/2015	08.07	T	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	21/07/2015	13.00	22/07/2015	12.56	HT	For Outage on 400KV Padgha-Bblsr-II.
Babhaleshwar - Padghe-II	IntraState	21/07/2015	13.08	22/07/2015	12.42	PO	Attending Defect.
karad -kolhapur-I	IntraState	21/07/2015	16.41	22/07/2015	07.25	HT	Over Voltage
Karad - Jaigad - II	IntraState	21/07/2015	18.06	22/07/2015	09.25	HT	Over Voltage
Dhule- Bableswhar - I	IntraState	21/07/2015	18.21	22/07/2015	16.26	T	Distance Protection Operated Z-I B Ph.,OPGW Pi;ot Wire Rope in Induction Zone.
Bhusawal-Aurangabad	IntraState	21/07/2015	21.04	22/07/2015	06.45	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/07/2015	21.10	22/07/2015	06.26	HT	Over Voltage
Deepnagar Taptitanda	IntraState	22/07/2015	13.25	22/07/2015	19.23	PO	Routine Maintenance Work
karad -kolhapur-II	IntraState	22/07/2015	17.11		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/07/2015	18.03		Continued.	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	22/07/2015	21.04		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	22/07/2015	21.55	23/07/2015	06.17	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	22/07/2015	23.00	23/07/2015	06.01	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 Mva Ict 3 @Girwali	IntraState	22/07/2015	21.59	23/07/2015	00.36	PO	Attending Hot Spot
220 KV LINE Outages/Trippings							
Nasik Navsari I	InterState	22/07/2015	06.24	22/07/2015	12.17	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 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
Bableswhar- Ranjangaon	IntraState	21/07/2015	21.07	22/07/2015	01.31	EO	Line Maintenance work
Loteparshuram- Dasturi Line	IntraState	22/07/2015	09.35	22/07/2015	14.33	PO	Routine Maintenance Work
Karad(400kv) - Wathar	IntraState	23/07/2015	05.45	23/07/2015	06.15	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 22/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 23/Jul/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
132 KV LINE Outages/Trippings							
Solapur II(Bale)-Naldurg	IntraState	22/07/2015	10.26	22/07/2015	12.44	PO	Emergency outage