

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 23/Jul/2015 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	103.949	2239.369	1) Gujrat	2.690	75.132
2) Hydro	5.784	203.577	2) Madhya Pradesh	16.962	397.898
3) Gas	6.582	138.835	3) Chattisgarh	5.330	136.730
Total MSPGCL	116.315	2581.781	4) Maharashtra Net	90.524	2359.878
B) 1) APML	55.920	1138.340	5) Goa	-6.567	-152.463
2) JSWEL	18.635	426.577	6) TAPS 1&2 Injection	2.785	65.643
3) VIPL	5.241	219.659	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	9.560	286.224	8) Pench (MS)	0.124	4.254
5) WPCL	2.456	69.092	9) Pench (Excess)	-0.124	-3.866
6) Other IPP	2.880	90.789	Total	111.600	2878.952
C) 1) TPCL Thermal	16.279	391.974	a) Mumbai Schedule	24.938	612.856
2) TPCL Hydro	3.945	74.248	b) Mumbai Drawl	27.146	655.043
3) TPCL Gas	0.000	62.906	c) MSEDCL Bilateral *	23.536	855.094
4) R-INFRA Thermal	11.658	235.086	Include PX	0.082	196.709
D) STATE			d) Mumbai Bilateral *	24.938	612.856
1) Thermal	226.578	5097.110	Include PX	7.598	123.521
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro (A2+C2)	9.729	277.825	H) ENERGY CATERED (MUs)		
3) Gas (A3+C3)	6.582	201.741	1) MSEDCL	320.571	7887.761
4) Wind	24.187	828.776	2) Mumbai Discoms	59.028	1419.259
6) SOLAR	0.923	22.614	TOTAL STATE	379.599	9307.020
TOTAL STATE	267.999	6428.066			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 10 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4620	4626	4278	4034
MSPGCL Hydro	334	120	385	71
MSPGCL Gas	274	272	272	284
MSPGCL Total Generation	5228	5018	4935	4389
Central Sector Receipt	5407	4667	5021	4062
WIND	1022	1099	1156	874
CPP / IPP	4194	4147	3821	3861
SOLAR	88	114	0	0
Exchange with Mumbai	-1368	-1360	-1200	-764
MSEDCL DEMAND MET	14571	13685	13733	12422
Load Shedding	52	48	41	44
MSEDCL DEMAND	14623	13733	13774	12466
TPCL GENERATION	933	1021	1031	558
R-INFRA GENERATION	514	517	519	395
MUMBAI DEMAND	2815	2898	2750	1717
STATE DEMAND MET	17386	16583	16483	14139
STATE DEMAND	17438	16631	16524	14183
Frequency (Hz)	49.97	49.97	49.87	49.97

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13:02 Hrs	49.76 Hz at 12:09 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 23/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	3.18	70.70	144	125
Total	3.18	92.61		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.87	83.78	175	145
Unit 4	9.81	200.18	490	355
Unit 5	9.93	212.65	490	370
Total	23.61	496.61		
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	3.28	79.81	144	130
Unit 3	4.17	98.40	199	132
Unit 4	4.09	94.86	181	150
Unit 5	8.57	176.73	395	300
Unit 6	7.29	10.40	360	215
Unit 7	7.58	195.63	338	292
Total	34.99	655.81		
Paras				
Unit 3	4.84	117.80	211	183
Unit 4	5.38	120.28	254	192
Total	10.22	238.08		
Khaparkheda				
Unit 1	3.83	81.30	180	115
Unit 2	3.71	82.96	175	120
Unit 3	4.31	89.85	198	162
Unit 4	0.96	13.11	172	0
Unit 5	10.30	229.07	500	365
Total	23.12	496.30		
Nasik				
Unit 3	4.40	105.92	200	170
Unit 4	4.43	96.07	196	173
Unit 5	0.00	0.00	0	0
Total	8.83	202.00		
Uran				
All Units	6.58	138.84	287	269
Total	6.58	138.84		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.12	4.25	33	0
Total	0.12	4.25		
Koyna				
Stage 1-2	2.20	83.68	475	40
Stage 4	0.04	55.84	24	0
Stage 3	1.17	34.83	160	0
Total	3.41	174.36		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	0.41	0	0
TILLARI	0.09	1.17	58	0
BHTGR/VEER	0.06	1.31	3	2
BHIRA T.R.	0.36	6.05	80	0
RNGR+BHTSA	0.00	3.28	0	0
BHANDARDRA	0.65	1.67	28	27
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.00	1.38	0	0
GHATGHAR	1.21	13.95	250	0
Total	2.38	29.22		
Wind				
Total	24.19	828.78	0	0
Total	24.19	828.78		
CPP				
APML(Mus)	55.92	1138.34	0	0
JSWEL(Mus)	18.64	426.58	0	0
VIPL(Mus)	5.24	219.66	0	0
RPLAMT(Mus)	9.56	286.22	0	0
WPCL(Mus)	2.46	69.09	0	0
Other(Mus)	2.88	90.79	0	0
Total	94.69	2230.68		
SOLAR				
Total	0.92	22.61	0	0
Total	0.92	22.61		
Tata				
Trombay 5	10.65	251.24	494	316
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	5.63	132.34	251	200
TATA Hydro	3.94	74.25	295	36
Total	20.22	529.13		
R-INFRA				
1-2	11.66	235.09	519	395
Total	11.66	235.09		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	103.95	2239.37
MSPGCL Thml+Gas	110.53	2378.20

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	5.78	203.58
MSPGCL Total	116.32	2581.78

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	2.24	139.52
State Total	268.00	6428.07

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 23/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	4006	211	284	4501	952	3914	0	4334	4399	-1082	12684	61	12745	2034	14779	49.96
2	4047	76	284	4407	945	3890	0	4308	4295	-919	12618	44	12662	1873	14535	49.95
3	4041	71	287	4399	905	3912	0	4284	4288	-824	12680	44	12724	1781	14505	49.96
4	4034	71	284	4389	874	3861	0	4271	4062	-764	12422	44	12466	1717	14183	49.97
5	4084	76	277	4437	694	3661	0	4276	4504	-773	12523	44	12567	1722	14289	49.92
6	4178	71	273	4522	709	3835	0	4319	4979	-864	13181	46	13227	1821	15048	50.00
7	4490	537	275	5302	678	4103	3	4357	4594	-776	13904	48	13952	1967	15919	50.01
8	4514	632	274	5420	687	4170	26	4524	4799	-832	14270	50	14320	2147	16467	50.01
9	4568	402	272	5242	786	4179	55	5210	5197	-1112	14347	50	14397	2448	16845	50.00
10	4620	334	274	5228	1022	4194	88	5139	5407	-1368	14571	52	14623	2815	17438	49.97
11	4627	514	272	5413	1009	4206	105	5015	4966	-1530	14169	52	14221	3041	17262	49.98
12	4627	326	269	5222	1005	4246	99	5161	4774	-1525	13821	50	13871	3069	16940	49.98
13	4626	120	272	5018	1099	4147	114	4853	4667	-1360	13685	48	13733	2898	16631	49.97
14	4583	74	269	4926	1160	4068	116	4711	4459	-1410	13319	43	13362	2907	16269	50.00
15	4285	74	269	4628	1320	4138	106	4727	4779	-1437	13534	44	13578	2910	16488	49.92
16	4282	74	272	4628	1334	3938	103	4720	4677	-1413	13267	44	13311	2917	16228	49.97
17	4228	74	272	4574	1342	3969	65	4708	4933	-1383	13500	41	13541	2874	16415	49.97
18	4291	69	274	4634	1235	3811	34	4731	4682	-1343	13053	39	13092	2819	15911	49.99
19	4284	108	273	4665	1250	3724	9	4388	4501	-1286	12863	39	12902	2763	15665	49.98
20	4278	385	272	4935	1156	3821	0	4554	5021	-1200	13733	41	13774	2750	16524	49.87
21	4270	408	271	4949	1070	4132	0	4817	4606	-1098	13659	41	13700	2643	16343	49.89
22	4334	412	271	5017	1050	3867	0	4539	4372	-1004	13302	41	13343	2474	15817	49.97
23	4317	361	272	4950	968	3517	0	4416	4346	-990	12791	41	12832	2389	15221	49.96
24	4335	304	270	4909	937	3389	0	4060	4293	-853	12675	41	12716	2249	14965	49.97
MUs	103.95	5.78	6.58	116.32	24.19	94.69	0.92	110.42	111.60	-27.15	320.57	1.09	321.66	59.03	380.69	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 23/Jul/2015

Position as on 6.30 Hrs of 24/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	
TPC-G	Trombay 7A	120	17/07/2015	20.38		Continued.	Gas path Inspection and Rotor replacement	
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	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	
IPP	RPL(AMT) U-3	270	16/07/2015	18.26		Continued.	PA Fan problem	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 23/Jul/2015

Position as on 6.30 Hrs of 24/Jul/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP	WPCL U-1	135	18/07/2015	00.00		Continued.	FD Fan Problem.	
MSPGCL	Koradi Unit 5	200	18/07/2015	20.57		Continued.	ID Fan Problem	
MSPGCL	Koradi Unit-8	660	21/07/2015	03.12	23/07/2015	06.03	Tripped.	
IPP	RPL(AMT) U-2	270	21/07/2015	07.00		Continued.	Abnotmal Sound Found.	
MSPGCL	Khaparkheda Unit 4	210	22/07/2015	19.03	23/07/2015	16.51	Turbine bearing Vabration high	
MSPGCL	Koyana Unit 7	80	23/07/2015	07.45		Continued.	R.M.Work(For 3 Days)	
MSPGCL	Koradi Unit-8	660	23/07/2015	16.54		Continued.	Tripped on under voltage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 23/Jul/2015

Statement-VII

Position as on 6.30 Hrs of 24/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.
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)
Kolhapur Mapusa I	InterState	22/07/2015	18.08	23/07/2015	09.22	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
Kolhapur Mapusa II	InterState	23/07/2015	18.06		Continued.	HT	Over Voltage
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
karad -kolhapur-II	IntraState	22/07/2015	17.11	23/07/2015	07.24	HT	Over Voltage
Karad-Jaigad - I	IntraState	22/07/2015	18.03	23/07/2015	10.13	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
Deepnagar Taptitanda	IntraState	23/07/2015	08.06	23/07/2015	19.23	PO	Tightening of Nut Bolts work
New Koyna - Koyna Stage IV-II	IntraState	23/07/2015	08.49		Continued.	PO	Attending Hot Spot
Akola - Bhusawal	IntraState	23/07/2015	09.57	23/07/2015	14.23	PO	C.B.lock out Alarm recd.
Karad - Lonikand 1	IntraState	23/07/2015	10.32	23/07/2015	14.50	PO	Attending Hot Spot
karad -kolhapur-I	IntraState	23/07/2015	16.20		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	23/07/2015	16.40		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	23/07/2015	18.05		Continued.	PO	Over Voltage
Dhule- Bableshevar - I	IntraState	23/07/2015	20.15		Continued.	T	Distance Protection
Lonikand I - Koyna stage-IV	IntraState	23/07/2015	21.34		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 500 MVA ICT-III @Girwali	IntraState	22/07/2015	21.59	23/07/2015	00.36	PO	Attending Hot Spot
400/220 Kv 600 MVA ICT-IV @Padghe	IntraState	23/07/2015	20.50	24/07/2015	00.46	PO	Emergency outage
220 KV LINE Outages/Trippings							
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
Karad(400kv) - Wathar	IntraState	23/07/2015	05.45	23/07/2015	06.15	T	Distance Protection
Lonikand (400 Kv)-Theur li	IntraState	23/07/2015	09.15	23/07/2015	18.40	PO	Half yearly maintenance work
Bus Section @ VSNL	IntraState	23/07/2015	13.10	23/07/2015	13.36	PO	Attending Oil Leakage
Kalyani - Baramati Agro	IntraState	23/07/2015	16.00	23/07/2015	18.48	PO	Replacement work
Karad - Vita Ckt- I	IntraState	24/07/2015	05.30		Continued.	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

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