

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	126.688	3403.218	1) Gujrat	-0.734	-26.245
2) Hydro	25.953	608.587	2) Madhya Pradesh	14.053	370.460
3) Gas	6.583	183.359	3) Chattisgarh	6.160	175.730
Total MSPGCL	159.224	4195.164	4) Maharashtra Net	97.211	2762.408
B) 1) APML	58.090	1520.060	5) Goa	-7.990	-206.745
2) JSWEL	16.691	547.991	6) TAPS 1&2 Injection	3.203	91.979
3) VIPL	12.208	303.438	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	5.740	144.420	8) Pench (MS)	0.454	3.253
5) WPCL	9.377	231.522	9) Pench (Excess)	-0.454	-2.890
6) Other IPP	6.500	158.867	Total	111.449	3164.697
C) 1) TPCL Thermal	17.580	460.902	a) Mumbai Schedule	26.780	718.875
2) TPCL Hydro	3.727	97.822	b) Mumbai Drawl	30.744	825.003
3) TPCL Gas	2.579	85.908	c) MSEDCL Bilateral *	31.449	858.838
4) R-INFRA Thermal	12.394	324.307	Include PX	-0.518	0.197
D) STATE			d) Mumbai Bilateral *	26.780	716.875
1) Thermal	265.268	7094.725	Include PX	1.918	64.242
(A1+C1+C4+(B1-B6))			Include Standby	0.000	2.000
2) Hydro	29.680	706.409	H) ENERGY CATERED (MUs)		
3) Gas	9.162	269.267	1) MSEDCL	371.164	9966.231
4) Wind	21.413	488.035	2) Mumbai Discoms	67.024	1793.939
6) SOLAR	1.216	34.150	TOTAL STATE	438.188	11760.170
TOTAL STATE	326.739	8592.586			

* 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 16 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 5 Hrs
MSPGCL Thermal	5575	5271	5187	5077
MSPGCL Hydro	2141	1955	906	495
MSPGCL Gas	270	267	273	280
MSPGCL Total Generation	7986	7493	6366	5852
Central Sector Receipt	5325	4996	4090	4624
WIND	436	869	1358	935
CPP / IPP	4594	4611	4399	4174
SOLAR	162	92	0	0
Exchange with Mumbai	-1543	-1542	-1316	-823
MSEDCL DEMAND MET	16960	16519	14897	14762
Load Shedding	51	45	49	48
MSEDCL DEMAND	17011	16564	14946	14810
TPCL GENERATION	1237	1272	994	834
R-INFRA GENERATION	508	512	518	520
MUMBAI DEMAND	3288	3326	2828	2177
STATE DEMAND MET	20248	19845	17725	16939
STATE DEMAND	20299	19890	17774	16987
Frequency (Hz)	49.77	49.78	49.82	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.26 Hz at 18.03 Hrs	49.54 Hz at 15.08 Hrs	49.87	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/May/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.67	93.71	160	150
Unit 6	0.00	0.00	0	0
Unit 7	0.00	96.81	0	0
Total	3.67	190.53		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	10.46	282.90	505	365
Unit 5	10.54	250.28	500	365
Total	20.99	533.18		
Parli				
Unit 3	3.51	49.15	155	137
Unit 4	0.00	0.00	0	0
Unit 5	1.02	72.39	156	0
Unit 6	5.66	143.88	250	189
Unit 7	5.55	129.71	245	184
Total	15.74	395.13		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.26	79.06	140	132
Unit 3	4.67	111.39	204	172
Unit 4	4.40	103.19	197	165
Unit 5	10.05	176.54	440	375
Unit 6	9.64	230.71	420	375
Unit 7	9.20	257.63	410	320
Total	41.22	958.52		
Paras				
Unit 3	0.00	134.45	0	0
Unit 4	6.10	149.01	260	246
Total	6.10	283.46		
Khaparkheda				
Unit 1	3.96	113.27	185	145
Unit 2	3.94	101.25	180	130
Unit 3	2.37	100.36	210	0
Unit 4	3.95	114.32	168	160
Unit 5	11.18	259.24	500	418
Total	25.41	688.44		
Nasik				
Unit 3	4.57	122.41	205	185
Unit 4	4.53	121.62	200	176
Unit 5	4.46	109.93	195	175
Total	13.56	353.96		
Uran				
All Units	6.58	183.36	284	267
Total	6.58	183.36		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.45	3.25	40	0
Total	0.45	3.25		
Koyna				
Stage 1-2	5.54	150.66	500	35
Stage 4	13.63	265.48	1120	200
Stage 3	3.94	91.04	320	0
Total	23.11	507.19		
Hydro				
KDPH	0.46	12.75	30	15
VTRNA	0.85	22.03	61	0
TILLARI	0.24	8.02	62	0
BHTGR/VEER	0.00	1.32	0	0
BHIRA T.R.	0.16	4.89	80	0
RNGR+BHTSA	0.23	5.46	10	9
BHANDARDRA	0.22	6.54	10	9
ELDARY	0.00	2.50	0	0
SMLHY_PTN	0.38	19.23	16	15
GHATGHAR	0.30	18.65	125	0
Total	2.84	101.40		
Wind				
Total	21.41	488.04	0	0
Total	21.41	488.04		
CPP				
APML(Mus)	58.09	1520.06	0	0
JSWEL(Mus)	16.69	547.99	0	0
VIPL(Mus)	12.21	303.44	0	0
RPLAMT(Mus)	5.74	144.42	0	0
WPCL(Mus)	9.38	231.52	0	0
Other(Mus)	6.50	158.83	0	0
Total	108.61	2906.26		
SOLAR				
Total	1.22	34.15	0	0
Total	1.22	34.15		
Tata				
Trombay 5	11.66	298.42	495	448
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.43	50.94	60	59
Trombay 7B	1.15	34.97	48	47
Trombay 8	5.92	162.48	249	244
TATA Hydro	3.73	97.82	433	0
Total	23.89	644.63		
R-INFRA				
1-2	12.39	324.31	520	508
Total	12.39	324.31		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	126.69	3403.22
MSPGCL Thml+Gas	133.27	3586.58

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	25.95	608.59
MSPGCL Total	159.22	4195.16

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	19.17	416.14
State Total	326.74	8592.59

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 28/May/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	5253	1324	283	6860	1164	4642	0	4104	4291	-1329	15628	69	15697	2693	18390	49.82
2	5239	1449	283	6971	1051	4613	0	4104	3950	-1145	15440	48	15488	2516	18004	49.96
3	5222	969	283	6474	1059	4370	0	4125	4246	-1003	15146	48	15194	2358	17552	49.98
4	5119	536	284	5939	982	4502	0	4056	4183	-889	14717	48	14765	2242	17007	49.98
5	5077	495	280	5852	935	4174	0	4083	4624	-823	14762	48	14810	2177	16987	50.00
6	5194	455	278	5927	953	4776	0	4202	4496	-824	15328	51	15379	2162	17541	49.93
7	5376	532	275	6183	813	4518	3	4291	4705	-754	15468	52	15520	2116	17636	49.87
8	5535	435	276	6246	622	4636	30	4477	4738	-846	15426	52	15478	2211	17689	49.90
9	5588	514	276	6378	607	4578	85	4703	5115	-1166	15597	55	15652	2544	18196	49.93
10	5531	1177	273	6981	321	4467	114	4785	5548	-1234	16197	55	16252	2867	19119	49.86
11	5579	2095	271	7945	312	4633	149	4779	5116	-1515	16640	53	16693	3183	19876	49.85
12	5575	2141	270	7986	436	4594	162	4978	5325	-1543	16960	51	17011	3288	20299	49.77
13	5436	1460	270	7166	544	4613	166	5259	5592	-1570	16511	51	16562	3324	19886	49.81
14	5297	1498	268	7063	541	4585	161	5121	5569	-1653	16266	48	16314	3251	19565	49.77
15	5251	1698	268	7217	731	4596	143	4971	5445	-1705	16427	45	16472	3324	19796	49.72
16	5271	1955	267	7493	869	4611	92	5007	4996	-1542	16519	45	16564	3326	19890	49.78
17	5295	1414	271	6980	1231	4594	75	4688	4761	-1625	16016	45	16061	3299	19360	49.91
18	4993	544	271	5808	1415	4420	33	4316	4114	-1539	14251	45	14296	3143	17439	49.95
19	4912	523	272	5707	1570	4254	3	3614	3617	-1451	13700	45	13745	2964	16709	49.98
20	5011	848	271	6130	1344	4336	0	4230	4141	-1374	14577	49	14626	2938	17564	49.77
21	5187	906	273	6366	1358	4399	0	4263	4090	-1316	14897	49	14946	2828	17774	49.82
22	5182	624	274	6080	1116	4408	0	4262	4016	-1273	14347	49	14396	2741	17137	49.87
23	5153	942	273	6368	876	4453	0	4156	4446	-1260	14883	49	14932	2721	17653	49.83
24	5412	1419	273	7104	563	4834	0	4154	4325	-1365	15461	49	15510	2808	18318	49.84
MUs	126.69	25.95	6.58	159.22	21.41	108.61	1.22	106.73	111.45	-30.74	371.16	1.20	372.36	67.02	439.39	49.87

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/May/2015

Position as on 6.30 Hrs of 29/May/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	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Renovation and Modification work	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27		Continued.	Turbine vibration high. Continued to AOH w.e.f.01.05.2015	
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.	PA Fan Vibration Problem	
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	
IPP	RPL(AMT) U-1	270	21/03/2015	23.28		Continued.	Turbine vibration high.	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-4	270	03/04/2015	11.42		Continued.	Boiler feed Pump problem.	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
IPP	RPL(AMT) U-3	270	05/04/2015	22.01		Continued.	Governor AVR Problem.	
TPC-G	Trombay 6	500	06/04/2015	16.27		Continued.	Economic shut down.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Bhusawal Unit 3	210	20/04/2015	00.00		Continued.	no buyer as per msdcl regirment	
IPP	Adani U-3	660	11/05/2015	00.52		Continued.	Main Steam Drain MIY Bonnet Leakage.	
IPP	JSW (J) U1	300	14/05/2015	19.16		Continued.	Turbine Bearing Problem	
MSPGCL	Parli Unit 5	210	23/05/2015	20.34	28/05/2015	15.00	Boiler Tube Leakage	
MSPGCL	Koradi Unit 7	210	27/05/2015	03.20		Continued.	Boiler Tube Leakage	
MSPGCL	Paras Unit 3	250	27/05/2015	12.30		Continued.	Boiler Tube Leakage	
MSPGCL	Khaparkheda Unit 3	210	28/05/2015	12.42		Continued.	Boiler Tube Leakage	

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

Statement-VII

Position as on 6.30 Hrs of 29/May/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 III	InterState	03/05/2015	07.24		Continued.	HT	To Control ICT Loading.
Wardha(PG)-Aurangabad(PG)- II	InterState	22/05/2015	16.44		Continued.	HT	To Control ICT Loading.
765 KV ICT Outages/Trippings							
765/400kV 1500MVA ICT-I@Koradi-III	IntraState	20/05/2015	09.14		Continued.	PO	Annual Maintenance Work
400 KV LINE Outages/Trippings							
Wardha (PG)-Warora II	InterState	20/05/2015	02.39		Continued.	T	Breaker Accumulator Oil Leakage
Dhule Sar'Sarovar I	InterState	27/05/2015	18.14	28/05/2015	07.25	HT	Over Voltage
Kolhapur Mapusa I	InterState	27/05/2015	18.14	28/05/2015	06.31	HT	Over Voltage
Kolhapur Mapusa II	InterState	28/05/2015	17.29		Continued.	HT	Over Voltage
Akola II - RPL(Rattanindia) Ckt I	IntraState	07/04/2015	00.27		Continued.	T	"R" Phase Metering CT Burst.
Akola II - Taptitanda	IntraState	20/05/2015	08.59		Continued.	HT	Ckt I and Ckt 2 new charged to control BLSR ICT loading.
Padghe - Kalwa- I	IntraState	26/05/2015	06.260	26/05/2015	Continued.	PO	Transfer A to B bus through TBC.
Jaigad-Karad Ckt-I	IntraState	27/05/2015	14.05	28/05/2015	07.19	PO	insulator cold washing work
karad -kolhapur-II	IntraState	27/05/2015	17.10	28/05/2015	06.15	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/05/2015	17.46	28/05/2015	00.30	HT	Over Voltage
Padghe - Kalwa-II	IntraState	28/05/2015	00.17	28/05/2015	05.43	PO	Attending Hot Spot at y phase wave trape
Dhule - Bableshtar - li	IntraState	28/05/2015	07.10	28/05/2015	18.47	PO	A/R Out for OPGW Work.
Dhule- Bableshtar - I	IntraState	28/05/2015	07.10	28/05/2015	18.47	PO	A/R Out for OPGW Work.
Padghe - Talegaon (PG)	IntraState	28/05/2015	10.18	28/05/2015	19.33	PO	A/R Out for Opgw Work.
Jaigad-New Koyna Ckt-li	IntraState	28/05/2015	10.19	28/05/2015	12.58	PO	TBC Shifting to Attend Red Hot.
Akola II - Taptitanda	IntraState	28/05/2015	12.58	28/05/2015	14.01	PO	Shifted to Tie C B for Maint.Work on Own CB @ Taptitanda A/R Out for OPGW Work.
karad -kolhapur-I	IntraState	28/05/2015	17.15	29/05/2015	06.31	HT	Over Voltage
Karad-Jaigad - I	IntraState	28/05/2015	18.02		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	28/05/2015	18.08	29/05/2015	06.32	HT	Over Voltage
400 KV ICT Outages/Trippings							
400 Kv 167 Mva Spare Ict @Warora	IntraState	28/05/2015	08.26	28/05/2015	15.52	PO	For Carrying Out DCRM Test on CB.
400/220 KV 315 MVA ICT-I @ Nagothane	IntraState	28/05/2015	10.12	28/05/2015	19.46	PO	TBC Shifting @ HV Side.DCRM of Breaker.
220 KV LINE Outages/Trippings							
Nasik Navsari II	InterState	28/05/2015	09.12		Continued.	PO	Maintenance Work.
Sahara-Urse	IntraState	03/03/2015	11.06		Continued.	PO	Tower erection work (90Days)
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.
Eklahara-(Ocr)-Navasari I	IntraState	05/05/2015	23.09	28/05/2015	08.24	HT	To control Load on Bus section at Nasik GCR
Nashik-Padgha	IntraState	24/05/2015	07.35		Continued.	PO	A/R Out.
Taloja li - Ocil 2	IntraState	26/05/2015	07.35		Continued.	PO	P.M.Work.
Osmanabad - Solapur (Bale)	IntraState	28/05/2015	00.04	28/05/2015	13.14	T	Y Ph Jumper of LA to CT Open @ Usmanabad End.
Solapur(Bale) - Tuljapur	IntraState	28/05/2015	05.52	28/05/2015	14.19	HT	Due to Line Loading.

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/May/2015

Statement-VII

Position as on 6.30 Hrs of 29/May/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Trombay MSETCL Tie 1	IntraState	28/05/2015	07.59	28/05/2015	08.21	PO	Bird Nest Remove.
Trombay MSETCL Tie 2	IntraState	28/05/2015	08.25	28/05/2015	08.44	PO	Bird Nest Remove.
Balapur-Akola I	IntraState	28/05/2015	09.40	28/05/2015	12.51	PO	Pilot String of R Ph Refixing Work.
Jejuri- Ismt- Lonand	IntraState	28/05/2015	11.30	28/05/2015	16.44	PO	Maintenance Work.
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/132 Kv 100 Mva Ict 1 @Sawangi	IntraState	28/05/2015	07.05	28/05/2015	09.55	PO	Premansoon Maintenance Work.
220/132 kv 200 MVA ICT- I @ Nanded	IntraState	28/05/2015	09.24	28/05/2015	11.39	PO	Premansoon Maintainance Work.
132 KV LINE Outages/Trippings							
Paras-Warwat Bakal	IntraState	24/05/2015	16.03		Continued.	HT	To Control 132kv Paras-For Akola ICT-II Loading.
Ambazari-Mankapur 1	IntraState	28/05/2015	04.20	28/05/2015	05.41	T	Y & B Ph Bus PT of Section-I Caught Fired.
Mankapur - Hingna-I	IntraState	28/05/2015	04.20	28/05/2015	05.41	T	Y & B Ph Bus PT of Section-I Caught Fired.
Ambazari-Mankapur-Ii	IntraState	28/05/2015	04.20	28/05/2015	05.41	T	Y & B Ph Bus PT of Section-I Caught Fired.
Mankapur-Uppalwadi	IntraState	28/05/2015	04.20	28/05/2015	07.01	T	Y & B Ph Bus PT of Section-I Caught Fired.
Waghala (Nanded2) - Umri 1	IntraState	28/05/2015	08.26	28/05/2015	08.58	T	Distance Protection Operated Zone-I.
Ashti - Mul	IntraState	28/05/2015	14.15	28/05/2015	14.35	T	Distance Protection Operated Z-II Backup Protection Operated O/C & E/F B Ph.
Gadchiroli - Mul	IntraState	28/05/2015	14.15	28/05/2015	15.22	T	Backup Protection Operated O/C & E/F B Ph.

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