

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 15/Sep/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	117.006	1766.498	1) Gujrat	-7.604	42.797
2) Hydro	5.729	119.027	2) Madhya Pradesh	0.918	133.762
3) Gas	6.856	96.801	3) Chattisgarh	4.630	73.730
Total MSPGCL	129.591	1982.326	4) Maharashtra Net	72.404	1257.667
B) 1) APML	54.953	864.853	5) Goa (Amona)	-0.638	-7.894
2) JSWEL	18.638	297.145	6) TAPS 1&2 Injection	7.704	115.005
3) VIPL	10.087	174.017	7) RGPPL Injection	11.890	180.072
4) RPL(AMT)	3.807	65.208	8) Pench (MS)	1.024	14.068
5) WPCL	4.694	66.081	9) Pench (Excess)	-1.024	-14.068
6) PGPL	0.000	80.445	Total	88.280	1781.071
7) Other IPP	2.227	38.805	a) Mumbai Schedule	16.887	286.147
C) 1) TPCL Thermal	11.167	179.124	b) Mumbai Drawl	29.460	372.758
2) TPCL Hydro	1.537	80.134	c) MSEDCL Bilateral *	26.721	405.402
3) TPCL Gas	3.357	63.687	Include PX	0.000	-28.720
4) R-INFRA Thermal	9.666	156.028	d) Mumbai Bilateral *	16.887	285.633
D) STATE			Include PX	0.627	22.140
1) Thermal	232.245	3607.759	Include Standby	0.000	0.514
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	7.266	199.161	1) MSEDCL	300.525	5270.464
3) Gas	10.213	240.933	2) Mumbai Discoms	55.187	851.733
4) Wind	17.065	278.879	TOTAL STATE	355.712	6122.197
6) SOLAR	0.643	14.392			
TOTAL STATE	267.432	4341.124			

* 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 5 Hrs
MSPGCL Thermal	4867	4797	4951	4919
MSPGCL Hydro	827	304	383	109
MSPGCL Gas	286	272	323	274
MSPGCL Total Generation	5980	5373	5657	5302
Central Sector Receipt	4355	4497	3986	2415
WIND	631	504	669	901
CPP / IPP Thermal	3943	3973	3894	3973
CPP / IPP Gas	0	0	0	0
SOLAR	47	87	0	0
Exchange with Mumbai	-1340	-1554	-1284	-896
MSEDCL DEMAND MET	13616	12880	12922	11695
Load Shedding	0	0	0	0
MSEDCL DEMAND	13616	12880	12922	11695
TPCL GENERATION	1003	815	612	582
R-INFRA GENERATION	403	403	403	404
MUMBAI DEMAND	2746	2772	2299	1882
STATE DEMAND MET	16362	15652	15221	13577
STATE DEMAND	16362	15652	15221	13577
Frequency (Hz)	49.98	49.98	50.02	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.12 Hz at 13.03 Hrs	49.85 Hz at 18.37 Hrs	49.99	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 15/Sep/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	10.83	0	0
Unit 6	0.00	0.00	0	0
Unit 7	2.37	51.03	115	70
Unit 8	8.77	161.84	400	324
Total	11.14	223.70		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.75	6.80	165	140
Unit 4	8.87	93.04	385	340
Unit 5	8.98	121.86	380	370
Total	21.60	221.70		
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	4.02	63.30	178	163
Unit 4	4.03	43.24	169	164
Unit 5	8.57	133.05	370	340
Unit 6	8.73	142.30	375	344
Unit 7	8.67	138.00	369	340
Unit 8	7.68	122.58	365	233
Total	41.69	642.48		
Paras				
Unit 3	4.78	79.82	206	189
Unit 4	4.78	78.27	205	194
Total	9.55	158.10		
Khaparkheda				
Unit 1	3.62	39.00	175	125
Unit 2	3.67	56.17	165	140
Unit 3	4.14	63.40	190	165
Unit 4	3.96	61.09	176	148
Unit 5	9.60	155.69	420	395
Total	24.99	375.35		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.98	62.52	178	161
Unit 5	4.05	61.89	180	164
Total	8.03	124.40		
Uran				
All Units	6.86	96.80	368	268
Total	6.86	96.80		
PGPL				
Unit 1	0.00	51.09	0	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	0.00	29.35	0	0
Total	0.00	80.44		
PENCH (MS)				
Pench (MS)	1.02	14.07	51	37
Total	1.02	14.07		
Koyna				
Stage 1-2	1.63	42.03	315	40
Stage 4	0.28	18.94	218	0
Stage 3	0.70	15.89	128	0
Total	2.61	76.86		
Hydro				
KDPH	0.88	5.17	37	36
VTRNA	0.00	0.73	0	0
TILLARI	0.25	4.02	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.41	6.91	80	0
RNGR+BHTSA	0.00	0.57	0	0
BHANDARDRA	0.34	4.46	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.26	4.03	19	8
GHATGHAR	0.97	16.27	250	0
Total	3.12	42.17		
Wind				
Total	17.06	278.88	0	0
Total	17.06	278.88		
CPP				
APML(Mus)	54.95	864.85	0	0
JSWEL(Mus)	18.64	297.14	0	0
VIPL(Mus)	10.09	174.02	0	0
RPLAMT(Mus)	3.81	65.21	0	0
WPCL(Mus)	4.69	66.08	0	0
Other(Mus)	2.23	38.80	0	0
Total	94.41	1506.11		
SOLAR				
Total	0.64	14.39	0	0
Total	0.64	14.39		
Tata				
Trombay 5	6.34	101.36	265	262
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.00	40.08	115	62
Trombay 7B	1.36	23.60	67	50
Trombay 8	4.83	77.76	205	198
TATA Hydro	1.54	80.13	357	0
Total	16.06	322.94		
R-INFRA				
1-2	9.67	156.03	404	401
Total	9.67	156.03		

* Infirm Power		
Particulars	Daily (Mus)	Monthly
Chandrapur 9	0.00	20.78
Koradi 9	0.00	0.00
Koradi 10	0.00	0.00
Parli 8	0.00	0.00

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	117.01	1766.50
MSPGCL Thml+Gas	123.86	1863.30
MSPGCL Hydro	5.73	119.03

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Total	129.59	1982.33
Koyna 1,2 & 4 Total	1.91	60.97
State Total	267.43	4341.12

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 15/Sep/2016

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			THM	GAS										
1	4794	105	268	5167	577	3985	0	0	3891	3787	-1250	12266	0	12266	2230	14496	49.99
2	4894	105	282	5281	819	3996	0	0	3479	3044	-1111	12029	0	12029	2092	14121	49.98
3	4837	99	273	5209	824	3989	0	0	3002	2865	-991	11896	0	11896	1974	13870	49.97
4	4906	99	273	5278	957	3987	0	0	2782	2643	-922	11943	0	11943	1903	13846	50.00
5	4919	109	274	5302	901	3973	0	0	2799	2415	-896	11695	0	11695	1882	13577	49.99
6	4912	104	275	5291	997	3978	0	0	3698	2984	-961	12289	0	12289	1946	14235	49.98
7	4906	109	275	5290	863	3974	0	0	3733	4016	-986	13157	0	13157	1999	15156	49.98
8	4953	268	274	5495	765	4140	0	12	4347	4167	-1088	13491	0	13491	2181	15672	50.01
9	4926	245	275	5446	769	3962	0	32	5028	4650	-1254	13605	0	13605	2397	16002	49.98
10	4867	827	286	5980	631	3943	0	47	3864	4355	-1340	13616	0	13616	2746	16362	49.98
11	4906	708	274	5888	615	3937	0	72	4359	4433	-1431	13514	0	13514	2804	16318	49.99
12	4875	435	293	5603	613	3950	0	94	4413	4334	-1434	13160	0	13160	2810	15970	49.98
13	4797	304	272	5373	504	3973	0	87	4355	4497	-1554	12880	0	12880	2772	15652	49.98
14	4825	304	275	5404	501	3997	0	103	4277	4127	-1528	12604	0	12604	2629	15233	49.99
15	4807	232	269	5308	484	4010	0	90	4244	4165	-1509	12548	0	12548	2523	15071	49.98
16	4792	125	284	5201	580	3967	0	77	3951	4001	-1391	12435	0	12435	2407	14842	50.01
17	4891	99	269	5259	637	3962	0	26	3656	3474	-1280	12078	0	12078	2296	14374	50.00
18	4940	99	290	5329	625	3902	0	3	3557	3394	-1202	12051	0	12051	2218	14269	50.00
19	4878	204	368	5450	678	3834	0	0	3969	3876	-1241	12597	0	12597	2257	14854	49.97
20	4951	383	323	5657	669	3894	0	0	4197	3986	-1284	12922	0	12922	2299	15221	50.02
21	4883	336	294	5513	765	3795	0	0	4089	3762	-1256	12579	0	12579	2273	14852	50.00
22	4893	192	292	5377	858	3743	0	0	3457	3343	-1227	12094	0	12094	2243	14337	49.98
23	4866	139	305	5310	734	3762	0	0	3232	2986	-1179	11613	0	11613	2179	13792	50.00
24	4788	99	293	5180	699	3751	0	0	3021	2976	-1145	11461	0	11461	2127	13588	50.02
MUs	117.01	5.73	6.86	129.59	17.06	94.41	0.00	0.64	91.40	88.28	-29.46	300.53	0.00	300.53	55.19	355.71	49.99

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 15/Sep/2016

Position as on 6.30 Hrs of 16/Sep/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	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		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	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No PPA.	
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 PPA.	
IPP	WPCL U-2	135	29/02/2016	21.46		Continued.	Change over against Unit III	
IPP	RPL(AMT) U-5	270	24/05/2016	00.05		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 9	660	04/06/2016	14.45		Continued.	No concent to operate	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	Boiler Tube Leakage(Converted to Zero Shedule By MSEDCL. from 00.00Hrs dt.19-6-16)	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Uran Unit B0	120	14/08/2016	07.56	16/09/2016	05.00	Maintenance work	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Koyna Unit 8	80	19/08/2016	11.00		Continued.	High Vibration On LGB & UGB.	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Nasik Unit 3	210	28/08/2016	21.45		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan Problem	
IPP	RPL(AMT) U-2	270	12/09/2016	00.03		Continued.	Zero Shedule By MSEDCL.	
PGPL	PGPL U2	126	14/09/2016	00.16		Continued.	Due To No Shedule.	
PGPL	PGPL U1	262	14/09/2016	00.20		Continued.	Due To No Shedule.	
MSPGCL	Uran Unit 7	108	14/09/2016	22.43	15/09/2016	17.47	Generation Bearing Vibration	
IPP	RPL(AMT) U-1	270	14/09/2016	23.55		Continued.	Zero Shedule.	
IPP	RPL(AMT) U-4	270	15/09/2016	18.09		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Bhusawal Unit 4	500	15/09/2016	23.59		Continued.	Zero Schedule By MSEDCL	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 15/Sep/2016

Position as on 6.30 Hrs of 16/Sep/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Bhusawal Unit 3	210	16/09/2016	00.02		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koradi Unit 7	210	16/09/2016	00.06		Continued.	Zero Schedule By MSEDCL	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 15/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 16/Sep/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/Trippings							
Dhule Sar'Sarovar II	InterState	14/09/2016	21.50		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	14/09/2016	21.57		Continued.	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	14/09/2016	23.00	15/09/2016	06.22	T	Over Voltage
Dabhol Nagothane II	InterState	15/09/2016	11.23	15/09/2016	15.56	EO	To attend Hot Spot
Akola Aurangabad(PG) I	InterState	15/09/2016	19.46	15/09/2016	20.36	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	15/09/2016	23.27		Continued.	T	Over Voltage
Ektuni-Bableshtar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
karad -kolhapur-I	IntraState	13/09/2016	20.17	15/09/2016	15.41	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	14/09/2016	19.57	15/09/2016	11.54	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	14/09/2016	21.44		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	14/09/2016	23.26		Continued.	HT	Over Voltage
Jejuri- Koynastage-IV	IntraState	14/09/2016	23.36	15/09/2016	10.44	T	Distance Protection
karad -kolhapur-II	IntraState	15/09/2016	02.28		Continued.	T	Over Voltage
Girwali-Solapur (Lamboti)	IntraState	15/09/2016	06.29		Continued.	EO	Insulator Replacement Work
Dhule- Bableshtar - I	IntraState	15/09/2016	10.08	15/09/2016	22.05	PO	Bay Maintenance
N.Koyna-Karad -Ckt I	IntraState	15/09/2016	15.03		Continued.	T	Distance Protection
Lonikand I - Koyna stage-IV	IntraState	15/09/2016	21.22		Continued.	HT	Over Voltage
Padghe - Talegaon (PG)	IntraState	16/09/2016	01.24		Continued.	T	Distance Protection
karad -kolhapur-I	IntraState	16/09/2016	02.59		Continued.	T	Over Voltage
Babhaleshtar - Padghe-II	IntraState	16/09/2016	03.46		Continued.	T	Over Voltage
Kalwa - Talegaon(PG)	IntraState	16/09/2016	04.47		Continued.	T	Distance Protection
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshtar	IntraState	20/08/2016	11.06		Continued.	PO	Shifted on TBC, by hot line jumper open for construction of kudas bay ektuni CKT-2 will remain off during this outage period.
400/220KV 315MVA ICT3@Bhusawal II (khadaka)	IntraState	15/09/2016	19.27	15/09/2016	23.41	T	Bucchoz Protection Optd
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end)
Boisar(MS) - Boisar (PG) - I	InterState	15/09/2016	20.06		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.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Bableshtar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Miraj - Mhaishal	IntraState	15/09/2016	00.15	15/09/2016	12.57	T	Distance Protection
Vita - Mhaishal	IntraState	15/09/2016	04.42	15/09/2016	15.25	T	Distance Protection
Mahad - Pedambe	IntraState	15/09/2016	09.15	15/09/2016	13.40	PO	To attend wave trap bottom side conductor strands
Nagar-Bose II	IntraState	15/09/2016	11.45	15/09/2016	15.18	PO	Line Maintenance work

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 15/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 16/Sep/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Nagar-Bose I	IntraState	15/09/2016	11.45	15/09/2016	17.18	PO	Line Maintenance work
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	15/09/2016	15.42	15/09/2016	20.18	T	Distance Protection
Parli 2-(Girwali) -Murud	IntraState	15/09/2016	16.55	15/09/2016	22.36	T	Distance Protection
Parli 3 (Old Gcr)-Osmanabad	IntraState	15/09/2016	16.55	15/09/2016	22.35	T	Distance Protection
Khadaka-Chaligaon III	IntraState	15/09/2016	19.27		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	Failed on internal Fault(Now repaired and ready for commissioning)
220/132 kv 200MVA ICT II @ Girwali	IntraState	15/09/2016	16.55	15/09/2016	17.56	T	Bucchohz Protection Optd
132 KV LINE Outages/Trippings							
Gangakhed - Kandhar	IntraState	15/09/2016	04.37	15/09/2016	05.43	T	Distance Protection
Padegaon - Sillod	IntraState	15/09/2016	05.31	15/09/2016	12.00	T	Distance Protection
Amalner(220kv)-Chopda	IntraState	15/09/2016	20.38	16/09/2016	01.34	T	Distance Protection
Dondaicha-Nandurbar	IntraState	15/09/2016	23.00	15/09/2016	23.15	T	Distance Protection
Ardhapur - Kurunda	IntraState	16/09/2016	05.30	16/09/2016	05.50	T	Distance Protection
100 KV LINE Outages/Trippings							
Vasai-Ii - Vasai 2 Line	IntraState	13/08/2016	08.53		Continued.	HT	ICT Problem.

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