

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 07/Sep/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	105.684	762.616	1) Gujrat	5.779	48.651
2) Hydro	13.099	53.612	2) Madhya Pradesh	13.673	74.926
3) Gas	6.416	44.557	3) Chattisgarh	5.740	32.400
Total MSPGCL	125.199	860.785	4) Maharashtra Net	85.054	520.271
B) 1) APML	65.127	357.605	5) Goa (Amona)	-0.376	-3.146
2) JSWEL	21.277	129.894	6) TAPS 1&2 Injection	7.704	53.893
3) VIPL	13.045	75.959	7) RGPPL Injection	12.674	83.408
4) RPL(AMT)	0.000	0.000	8) Pench (MS)	1.128	5.885
5) WPCL	4.814	28.475	9) Pench (Excess)	-1.128	-5.885
6) PGPL	6.852	41.289	Total	129.120	804.518
7) Other IPP	2.780	18.730	a) Mumbai Schedule	21.338	124.735
C) 1) TPCL Thermal	15.364	92.346	b) Mumbai Drawl	23.711	164.290
2) TPCL Hydro	5.185	37.319	c) MSEDCL Bilateral *	27.343	191.232
3) TPCL Gas	4.371	30.246	Include PX	-2.320	-12.856
4) R-INFRA Thermal	11.329	70.488	d) Mumbai Bilateral *	21.338	124.735
D) STATE			Include PX	2.074	8.064
1) Thermal	239.420	1536.113	Include Standby	0.000	0.000
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	18.284	90.931	1) MSEDCL	366.239	2332.643
3) Gas	17.639	116.092	2) Mumbai Discoms	59.961	394.690
4) Wind	20.754	172.268	TOTAL STATE	426.200	2727.333
6) SOLAR	0.982	7.410			
TOTAL STATE	297.079	1922.814			

* 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 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	4505	4538	4331	4015
MSPGCL Hydro	1155	1016	931	82
MSPGCL Gas	264	260	266	269
MSPGCL Total Generation	5924	5814	5528	4366
Central Sector Receipt	6453	6302	4672	4802
WIND	685	619	1000	1163
CPP / IPP Thermal	4566	4569	4932	3874
CPP / IPP Gas	287	272	287	285
SOLAR	107	142	0	0
Exchange with Mumbai	-1189	-1240	-1081	-692
MSEDCL DEMAND MET	16834	16478	15338	13798
Load Shedding	0	0	0	0
MSEDCL DEMAND	16834	16478	15338	13798
TPCL GENERATION	1278	1290	1210	697
R-INFRA GENERATION	507	509	508	404
MUMBAI DEMAND	2974	3039	2799	1793
STATE DEMAND MET	19808	19517	18137	15591
STATE DEMAND	19808	19517	18137	15591
Frequency (Hz)	49.93	49.96	49.89	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 13:00 Hrs	49.67 Hz at 18:57 Hrs	49.92	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 07/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	3.45	24.94	165	120
Unit 8	11.09	76.13	505	400
Total	14.54	111.90		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	0.04	12.79	40	0
Unit 5	0.00	44.45	0	0
Total	0.04	57.24		
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	4.42	28.94	195	163
Unit 4	0.04	10.04	23	0
Unit 5	9.40	63.18	415	360
Unit 6	10.00	64.03	450	360
Unit 7	9.56	62.55	427	360
Unit 8	10.02	64.71	492	346
Total	43.45	293.44		
Paras				
Unit 3	5.84	35.61	257	206
Unit 4	5.54	34.25	255	200
Total	11.38	69.86		
Khaparkheda				
Unit 1	0.00	15.70	0	0
Unit 2	3.99	26.12	175	160
Unit 3	4.37	28.68	197	168
Unit 4	3.79	27.69	185	0
Unit 5	11.39	70.90	508	400
Total	23.54	169.09		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.48	28.52	204	159
Unit 5	4.44	27.92	200	160
Total	8.91	56.44		
Uran				
All Units	6.42	44.56	284	250
Total	6.42	44.56		
PGPL				
Unit 1	4.36	26.22	182	180

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Unit 2	2.49	15.06	106	90
Total	6.85	41.29		
PENCH (MS)				
Pench (MS)	1.13	5.88	54	43
Total	1.13	5.88		
Koyna				
Stage 1-2	3.64	19.01	500	40
Stage 4	4.24	7.34	620	0
Stage 3	2.15	7.89	228	0
Total	10.04	34.23		
Hydro				
KDPH	0.18	1.66	19	0
VTRNA	0.00	0.73	0	0
TILLARI	0.24	1.88	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.38	3.32	80	0
RNGR+BHTSA	0.00	0.57	0	0
BHANDARDRA	0.34	1.72	15	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.14	2.00	14	2
GHATGHAR	1.77	7.49	317	0
Total	3.06	19.38		
Wind				
Total	20.75	172.27	0	0
Total	20.75	172.27		
CPP				
APML(Mus)	65.13	357.60	0	0
JSWEL(Mus)	21.28	129.89	0	0
VIPL(Mus)	13.04	75.96	0	0
RPLAMT(Mus)	0.00	0.00	0	0
WPCL(Mus)	4.81	28.48	0	0
Other(Mus)	2.78	18.73	0	0
Total	107.04	610.66		
SOLAR				
Total	0.98	7.41	0	0
Total	0.98	7.41		
Tata				
Trombay 5	9.84	57.31	485	313
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.77	19.13	120	114
Trombay 7B	1.60	11.12	69	66
Trombay 8	5.52	35.04	250	199
TATA Hydro	5.18	37.32	387	0
Total	24.92	159.91		
R-INFRA				
1-2	11.33	70.49	509	403
Total	11.33	70.49		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	3.83	4.63	MSPGCL Thermal	105.68	762.62	MSPGCL Total	125.20	860.78
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	112.10	807.17	Koyna 1,2 & 4 Total	7.89	26.35
Koradi 10	0.00	0.00	MSPGCL Hydro	13.10	53.61	State Total	297.08	1922.81
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 07/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	4114	80	268	4462	1331	4238	284	0	4734	4868	-1021	14163	0	14163	2119	16282	49.92
2	4034	81	268	4383	1251	4135	285	0	4757	4618	-862	13809	0	13809	1961	15770	49.92
3	4023	76	269	4368	1272	3879	286	0	4409	4760	-780	13785	0	13785	1882	15667	49.92
4	4015	82	269	4366	1163	3874	285	0	4509	4802	-692	13798	0	13798	1793	15591	49.92
5	4028	87	268	4383	1109	3940	285	0	4595	4816	-695	13839	0	13839	1795	15634	49.92
6	4404	77	279	4760	1158	4251	285	0	5001	5031	-776	14710	0	14710	1872	16582	49.92
7	4573	260	269	5102	914	4429	284	3	5351	5856	-759	15829	0	15829	1956	17785	49.93
8	4548	664	269	5481	848	4538	286	24	5554	5932	-631	16477	0	16477	2131	18608	49.98
9	4585	893	279	5757	794	4544	286	58	5760	6216	-790	16865	0	16865	2434	19299	49.98
10	4542	991	265	5798	801	4546	285	93	5945	6226	-1076	16674	0	16674	2804	19478	49.95
11	4505	1155	264	5924	685	4566	287	107	6027	6453	-1189	16834	0	16834	2974	19808	49.93
12	4469	1265	266	6000	532	4584	286	141	6098	6373	-1260	16656	0	16656	3048	19704	49.94
13	4538	1016	260	5814	619	4569	272	142	6069	6302	-1240	16478	0	16478	3039	19517	49.96
14	4552	877	250	5679	488	4553	285	130	5762	6291	-1086	16340	0	16340	2860	19200	49.93
15	4504	1224	259	5987	516	4587	284	119	5733	5922	-1127	16289	0	16289	2904	19193	49.90
16	4485	1387	266	6138	615	4556	286	80	5721	5846	-1118	16403	0	16403	2907	19310	49.90
17	4548	823	264	5635	712	4559	287	55	5449	5475	-1083	15640	0	15640	2875	18515	49.89
18	4543	218	264	5025	858	4586	288	19	5068	4906	-1226	14457	0	14457	2829	17286	49.90
19	4457	281	265	5003	1008	4781	288	11	4819	4845	-1278	14658	0	14658	2769	17427	49.87
20	4331	931	266	5528	1000	4932	287	0	4721	4672	-1081	15338	0	15338	2799	18137	49.89
21	4367	226	266	4859	929	4845	287	0	4713	4771	-1040	14651	0	14651	2767	17418	49.88
22	4468	142	268	4878	760	4548	288	0	4859	4840	-996	14317	0	14317	2638	16955	49.89
23	4537	111	284	4932	702	4504	287	0	4518	4752	-995	14182	0	14182	2474	16656	49.88
24	4514	152	271	4937	689	4496	287	0	4678	4547	-910	14046	0	14046	2330	16376	49.88
MUs	105.68	13.10	6.42	125.20	20.75	107.04	6.85	0.98	124.85	129.12	-23.71	366.24	0.00	366.24	59.96	426.20	49.92

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 07/Sep/2016

Position as on 6.30 Hrs of 08/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	Uran Unit 7	108	24/05/2016	17.42		Continued.	Generation Bearing Vibration High.	
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-2	270	18/06/2016	06.54		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-3	270	29/06/2016	03.01		Continued.	Zero Shedule By MSEDCL.	
IPP	RPL(AMT) U-4	270	30/06/2016	10.11	08/09/2016	09.52	Zero Schedule By MSEDCL.	
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 3	210	08/07/2016	23.57		Continued.	ID Fan Problem (Converted to Zero schedule by MSEDCL from 11-07-2016)	
MSPGCL	Uran Unit B0	120	14/08/2016	07.56		Continued.	Maintenance work	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 3A	230	16/08/2016	17.24	08/09/2016	13.00	Change Over	
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	Bhusawal Unit 4	500	02/09/2016	10.35	07/09/2016	23.20	Boiler Tube Leakage (Converted to Zero schedule from 20:30 Hrs of	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 07/Sep/2016

Position as on 6.30 Hrs of 08/Sep/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
							04/09/2016)	
MSPGCL	Chandrapur Unit 4	210	03/09/2016	12.04	07/09/2016	22.00	Boiler Tube Leakage	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan Problem	
MSPGCL	Khaparkheda Unit 1	210	05/09/2016	03.27		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 5	500	06/09/2016	00.00	08/09/2016	04.58	Zero shedule by MSEDCL.	
MSPGCL	Khaparkheda Unit 4	210	07/09/2016	18.20	07/09/2016	20.30	Control Value Problem.	
MSPGCL	Chandrapur Unit 9	500	08/09/2016	11.25	08/09/2016	14.52	Electrical prot.Operated	
RINFRA-G	REL Unit 2	250	08/09/2016	23.45		Continued.	GT Isolator Hot Spot	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 07/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 08/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							
Kolhapur Solapur(PG) I	InterState	06/09/2016	18.16	07/09/2016	07.29	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	07/09/2016	17.33	08/09/2016	06.16	HT	Over Voltage
Ektuni-Bableshwar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
N.Koyna-Karad -Ckt I	IntraState	06/09/2016	00.08	07/09/2016	09.55	T	Distance Protection(RFC 20.40Hrs)
karad -kolhapur-I	IntraState	06/09/2016	16.44	08/09/2016	06.28	HT	Over Voltage
Karad - Jaigad - II	IntraState	06/09/2016	17.25	07/09/2016	06.42	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	06/09/2016	17.49	07/09/2016	06.42	HT	Over Voltage
N.Koyna-Karad -Ckt I	IntraState	07/09/2016	11.58		Continued.	T	Distance Protection
Khadka-Aurangabad (Waluj)	IntraState	07/09/2016	17.37	08/09/2016	06.33	HT	Over Voltage
Karad - Jaigad - II	IntraState	07/09/2016	21.42	08/09/2016	07.41	HT	Over Voltage
Chandrapur2-Parali 2 ckt1	IntraState	08/09/2016	10.34	08/09/2016	18.24	PO	Maint.work,Reactor Oil Leakage work
karad -kolhapur-II	IntraState	08/09/2016	23.26		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv, 500 MVA ICT-III @Babhleshwar	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.
400/220 Kv 500 MVA ICT-I @Kalwa	IntraState	07/09/2016	07.21	07/09/2016	09.58	PO	Checking Of FDR Indication On Y Phase Unit & To Attend DC Leakage.
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	07/09/2016	13.38	07/09/2016	15.50	T	Tripped On Monkey Fault.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Talandage end)
Mudshingi - Chikodi	InterState	01/09/2016	00.00		Continued.	HT	No schedule from Karnataka(H/T from Chikodi end)
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
Bableshwar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Shivajinagar - Satana	IntraState	06/09/2016	23.02	07/09/2016	16.20	T	Distance Protection
Adlabs - Pedambe	IntraState	08/09/2016	09.35	08/09/2016	12.25	PO	Line Maintenance work
Baramati - Kurkumbh	IntraState	08/09/2016	10.03	08/09/2016	16.57	PO	Line Maintenance work
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)
132 KV LINE Outages/Trippings							
Jalna Midc -Jalna Old	IntraState	08/09/2016	02.23	08/09/2016	02.59	T	Back Up Prot.operated
Jalna (220kv) - Badnapur	IntraState	08/09/2016	02.23	08/09/2016	04.08	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