

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 28/Sep/2016 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	62.041	2634.029	1) Gujrat	-3.910	-21.665
2) Hydro	21.447	247.931	2) Madhya Pradesh	13.079	295.030
3) Gas	9.065	200.983	3) Chattisgarh	8.430	166.980
Total MSPGCL	92.553	3082.943	4) Maharashtra Net	79.694	2248.221
B) 1) APML	66.227	1656.230	5) Goa (Amona)	-0.640	-15.620
2) JSWEL	20.405	556.334	6) TAPS 1&2 Injection	7.554	213.971
3) VIPL	13.082	316.825	7) RGPPL Injection	12.170	332.802
4) RPL(AMT)	0.000	65.208	8) Pench (MS)	0.938	26.451
5) WPCL	0.634	115.461	9) Pench (Excess)	-0.938	-26.451
6) PGPL	0.000	80.445	Total	115.439	3193.268
7) Other IPP	2.370	70.570	a) Mumbai Schedule	19.927	517.861
C) 1) TPCL Thermal	16.073	353.395	b) Mumbai Drawl	22.934	671.387
2) TPCL Hydro	5.038	144.728	c) MSEDCL Bilateral *	25.287	753.733
3) TPCL Gas	4.458	118.365	Include PX	-2.952	-53.968
4) R-INFRA Thermal	11.319	286.713	d) Mumbai Bilateral *	19.927	517.347
D) STATE			Include PX	1.557	32.192
1) Thermal	192.151	6054.765	Include Standby	0.000	0.514
(A1+C1+C4+(B1-B6))			H) ENERGY CATERED (MUs)		
2) Hydro	26.485	392.659	1) MSEDCL	306.969	9063.296
3) Gas	13.523	399.793	2) Mumbai Discoms	59.822	1574.735
4) Wind	17.935	571.499	TOTAL STATE	366.791	10638.031
6) SOLAR	1.258	25.900			
TOTAL STATE	251.352	7444.616			

* 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 18 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	2641	2651	2683	2378
MSPGCL Hydro	1616	1092	1934	75
MSPGCL Gas	275	418	422	429
MSPGCL Total Generation	4532	4161	5039	2882
Central Sector Receipt	5030	4734	5161	4098
WIND	678	846	781	822
CPP / IPP Thermal	4288	4373	4639	4042
CPP / IPP Gas	0	0	0	0
SOLAR	118	27	0	0
Exchange with Mumbai	-1002	-1070	-990	-628
MSEDCL DEMAND MET	13644	13071	14630	11216
Load Shedding	0	0	0	0
MSEDCL DEMAND	13644	13071	14630	11216
TPCL GENERATION	1319	1271	1343	699
R-INFRA GENERATION	504	505	505	388
MUMBAI DEMAND	2825	2846	2838	1715
STATE DEMAND MET	16469	15917	17468	12931
STATE DEMAND	16469	15917	17468	12931
Frequency (Hz)	49.88	49.92	49.91	50.00

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.1 Hz at 13.00 Hrs	49.71 Hz at 18.24 Hrs	49.93	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/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	0.00	51.03	0	0
Unit 8	0.00	274.50	0	0
Total	0.00	336.36		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	6.80	0	0
Unit 4	0.00	93.04	0	0
Unit 5	0.00	136.14	0	0
Total	0.00	235.98		
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	4.36	116.88	192	165
Unit 4	4.31	96.69	186	165
Unit 5	8.62	246.46	410	245
Unit 6	9.29	220.75	425	330
Unit 7	8.20	237.62	358	310
Unit 8	0.28	146.73	155	121
Total	35.05	1065.13		
Paras				
Unit 3	5.54	122.36	252	185
Unit 4	5.57	133.17	254	190
Total	11.11	255.53		
Khaparkheda				
Unit 1	0.00	45.01	0	0
Unit 2	0.00	62.12	0	0
Unit 3	0.00	70.68	0	0
Unit 4	0.00	68.43	0	0
Unit 5	6.92	242.82	310	270
Total	6.92	489.05		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	4.53	115.60	203	166
Unit 5	4.43	115.60	197	164
Total	8.96	231.20		
Uran				
All Units	9.06	200.98	442	275
Total	9.06	200.98		
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)	0.94	26.45	53	21
Total	0.94	26.45		
Koyna				
Stage 1-2	6.62	83.92	500	40
Stage 4	9.51	40.18	1004	0
Stage 3	3.46	39.39	240	0
Total	19.59	163.49		
Hydro				
KDPH	0.00	13.36	0	0
VTRNA	0.00	4.97	0	0
TILLARI	0.38	8.83	62	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.44	12.64	80	0
RNGR+BHTSA	0.00	2.67	0	0
BHANDARDRA	0.00	7.07	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.71	13.08	30	29
GHATGHAR	0.33	21.83	125	0
Total	1.86	84.44		
Wind				
Total	17.94	571.50	0	0
Total	17.94	571.50		
CPP				
APML(Mus)	66.23	1656.23	0	0
JSWEL(Mus)	20.40	556.33	0	0
VIPL(Mus)	13.08	316.82	0	0
RPLAMT(Mus)	0.00	65.21	0	0
WPCL(Mus)	0.63	115.46	0	0
Other(Mus)	2.37	70.57	0	0
Total	102.72	2780.63		
SOLAR				
Total	1.26	25.90	0	0
Total	1.26	25.90		
Tata				
Trombay 5	10.49	209.80	488	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.83	74.40	120	115
Trombay 7B	1.63	43.97	69	67
Trombay 8	5.58	143.59	247	200
TATA Hydro	5.04	144.73	424	6
Total	25.57	616.49		
R-INFRA				
1-2	11.32	286.71	511	386
Total	11.32	286.71		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	20.78	MSPGCL Thermal	62.04	2634.03	MSPGCL Total	92.55	3082.94
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	71.11	2835.01	Koyna 1,2 & 4 Total	16.13	124.10
Koradi 10	0.00	0.00	MSPGCL Hydro	21.45	247.93	State Total	251.35	7444.62
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 28/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	2438	350	437	3225	723	4072	0	0	4350	4563	-967	11616	0	11616	2070	13686	49.94
2	2423	250	428	3101	684	4041	0	0	4167	4333	-761	11398	0	11398	1847	13245	49.96
3	2398	150	437	2985	750	4041	0	0	4157	4334	-674	11436	0	11436	1759	13195	49.96
4	2378	75	429	2882	822	4042	0	0	4139	4098	-628	11216	0	11216	1715	12931	50.00
5	2372	165	307	2844	893	3925	0	0	4117	4402	-625	11439	0	11439	1711	13150	49.96
6	2484	535	294	3313	867	4081	0	0	4333	4674	-646	12289	0	12289	1780	14069	49.91
7	2569	829	283	3681	829	4283	0	0	4658	4832	-619	13006	0	13006	2013	15019	49.87
8	2594	1300	290	4184	653	4314	0	24	4660	4926	-643	13458	0	13458	2142	15600	49.99
9	2616	1541	290	4447	659	4308	0	79	4740	4915	-873	13535	0	13535	2531	16066	49.93
10	2641	1616	275	4532	678	4288	0	118	4854	5030	-1002	13644	0	13644	2825	16469	49.88
11	2638	1395	297	4330	607	4286	0	149	4898	5010	-1252	13130	0	13130	3084	16214	49.94
12	2511	1094	324	3929	628	4311	0	199	4872	4960	-1264	12763	0	12763	3100	15863	49.95
13	2540	845	338	3723	537	4319	0	179	4937	4959	-1230	12487	0	12487	3065	15552	49.93
14	2564	711	365	3640	539	4318	0	174	4930	5052	-1181	12542	0	12542	2933	15475	49.95
15	2655	567	414	3636	547	4300	0	148	5055	5268	-1204	12695	0	12695	2939	15634	49.90
16	2642	544	431	3617	762	4317	0	106	4861	5168	-1183	12787	0	12787	2930	15717	49.92
17	2644	1014	419	4077	726	4372	0	50	4483	4642	-1132	12735	0	12735	2919	15654	49.91
18	2651	1092	418	4161	846	4373	0	27	4656	4734	-1070	13071	0	13071	2846	15917	49.92
19	2675	1611	431	4717	954	4388	0	5	5109	5177	-1005	14236	0	14236	2852	17088	49.85
20	2683	1934	422	5039	781	4639	0	0	4908	5161	-990	14630	0	14630	2838	17468	49.91
21	2717	1725	431	4873	864	4565	0	0	4876	4854	-972	14184	0	14184	2724	16908	49.90
22	2702	1214	424	4340	839	4432	0	0	4801	4889	-941	13559	0	13559	2526	16085	49.92
23	2813	711	439	3963	840	4414	0	0	4791	4730	-995	12952	0	12952	2424	15376	49.97
24	2693	179	442	3314	907	4289	0	0	4569	4728	-1077	12161	0	12161	2249	14410	49.97
MUs	62.04	21.45	9.06	92.55	17.94	102.72	0.00	1.26	111.92	115.44	-22.93	306.97	0.00	306.97	59.82	366.79	49.93

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/Sep/2016

Position as on 6.30 Hrs of 29/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	
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.	
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 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, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16	
IPP	RPL(AMT) U-2	270	12/09/2016	00.03		Continued.	Zero Schedule 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.	
IPP	RPL(AMT) U-1	270	14/09/2016	23.55		Continued.	Zero Schedule by MSEDCL	
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	
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	
MSPGCL	Khaparkheda Unit 1	210	17/09/2016	13.39		Continued.	Zero Schedule by MSEDCL	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 28/Sep/2016

Position as on 6.30 Hrs of 29/Sep/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
MSPGCL	Khaparkheda Unit 2	210	17/09/2016	13.43		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Bhusawal Unit 5	500	17/09/2016	13.51		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Khaparkheda Unit 3	210	17/09/2016	20.40		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Khaparkheda Unit 4	210	17/09/2016	20.48		Continued.	Zero Schedule by MSEDCL	
MSPGCL	Chandrapur Unit-8	500	19/09/2016	18.43	28/09/2016	22.04	Boiler Tube Leakage	
MSPGCL	Parli Unit 7	250	22/09/2016	13.47		Continued.	Zero Schedule By MSEDCL	
MSPGCL	Koyna Unit 11	80	24/09/2016	03.20		Continued.	Stator Earth Fault	
MSPGCL	Koradi Unit-8	660	26/09/2016	21.37		Continued.	Zero Schedule by MSEDCL	
IPP	WPCL U-3	135	26/09/2016	22.22	28/09/2016	14.09	Wet Coal.	
CPP	WPCL U-4	135	26/09/2016	23.49		Continued.	Wet Coal.	
MSPGCL	Uran Unit 7	108	28/09/2016	04.02	28/09/2016	10.23	Slipring Heavy Sparking.	
MSPGCL	Uran Unit B0	120	28/09/2016	04.02	28/09/2016	13.23	Slipring Heavy Sparking.	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 28/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 29/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 I	InterState	26/09/2016	12.03		Continued.	T	Distance Protection (RFC 20:08 hrs)
Kolhapur Solapur (PG) II	InterState	27/09/2016	20.36	28/09/2016	07.01	HT	Over Voltage
Chandrapur II - Dhariwal -I	InterState	28/09/2016	11.10	28/09/2016	17.26	PO	Daignostic Testing Work And Bay Maintenance Work.
Kolhapur Solapur(PG) I	InterState	28/09/2016	22.39	29/09/2016	06.27	HT	Over Voltage
Ektuni-Bableswhar ckt II	IntraState	01/08/2016	09.53		Continued.	HT	To control Padgha-BBLSR L/L
Karad-Jaigad - I	IntraState	16/09/2016	11.27	28/09/2016	09.17	HT	Over Voltage
karad -kolhapur-I	IntraState	17/09/2016	03.43		Continued.	T	Over Voltage,B Pole of Breaker Brust.
New Koyna - Dabhol-I	IntraState	26/09/2016	09.22		Continued.	PO	String Replacement Work (RFC at 18:20 hrs)
Khadka-Aurangabad (Waluj)	IntraState	27/09/2016	13.03		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	28/09/2016	04.05	28/09/2016	06.49	HT	Over Voltage
Deepnagar Taptitanda	IntraState	28/09/2016	06.38	28/09/2016	18.32	PO	Line Maintenance work
Lonikand 1 - Chakan	IntraState	28/09/2016	08.20	28/09/2016	10.42	EO	Flashover Insulator Sring.
Main Bus-I @ Koradi III	IntraState	28/09/2016	09.30	28/09/2016	20.49	PO	Annual Maintenance Work
Jaigad-New Koyna Ckt-I	IntraState	28/09/2016	09.53		Continued.	PO	R.M. Work And Diagnostic Testing Work.
Lonikand I - Koyna stage-IV	IntraState	28/09/2016	13.55	28/09/2016	14.23	T	Distance Protection
Kalwa - Talegaon(PG)	IntraState	28/09/2016	14.05	28/09/2016	17.13	EO	Replace faulty string
Lonikand I - Koyna stage-IV	IntraState	29/09/2016	02.06	29/09/2016	06.27	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 kudus bay ektuni CKT-2 will remain off during this outage period.
105 Mva Spare Ict @Girwali	IntraState	27/09/2016	12.33	28/09/2016	18.11	PO	overhauling of ict-1
400/220KV 500MVA ICT1@koradi 2	IntraState	28/09/2016	11.02		Continued.	EO	Attending Oil Leakage
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.
Bableswhar- Alephata	IntraState	26/08/2016	20.54		Continued.	HT	Hand tripped.
Deepnagar Bambhori	IntraState	22/09/2016	14.07		Continued.	T	Distance Protection
Taloja li - OCIL-II	IntraState	26/09/2016	11.16	28/09/2016	22.25	PO	Relay panel Replacement at OCIL end
Chakan-Chinchwad	IntraState	27/09/2016	21.45	28/09/2016	06.06	PO	Errection Of New M/C Line.
Telco- Chinchwad	IntraState	27/09/2016	21.54	28/09/2016	06.04	PO	Errection Of New M/C Line.
Pandharpur - Malinagar	IntraState	28/09/2016	06.23	28/09/2016	17.15	PO	Lilo Arrangement work
Kalwa - Borivali	IntraState	28/09/2016	08.02		Continued.	PO	Balance tower erection work
New Koyna - Pedambe	IntraState	28/09/2016	08.28	28/09/2016	17.15	PO	P.M.work
Mumewadi -Halkarni I	IntraState	28/09/2016	09.02	28/09/2016	13.53	PO	Quarterly Maintainance 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 28/Sep/2016

Statement-VII

Position as on 6.30 Hrs of 29/Sep/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Kandalgaon - ONGC Panvel	IntraState	28/09/2016	11.25	28/09/2016	18.05	EO	Attending Hot Spot
Nigade- Peth Line	IntraState	28/09/2016	12.28	28/09/2016	17.38	T	Distance Protection
Chakan-Chinchwad	IntraState	28/09/2016	21.33	29/09/2016	05.57	PO	construction work
Telco- Chinchwad	IntraState	28/09/2016	21.36	29/09/2016	05.55	PO	construction 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)
220/132 Kv 200 Mva Vijai Ict 1 @Babhleshwar	IntraState	03/09/2016	14.45		Continued.	PO	Dismantling of ICT 1 & transfer to 220kv Amalner S/S.
220/132kv 100MVA ICT-1@ Amalner	IntraState	26/09/2016	09.30		Continued.	PO	Augmentation work.
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