

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 29/Jul/2016 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	76.885	2340.972	1) Gujrat	6.264	-86.369
2) Hydro	3.513	212.976	2) Madhya Pradesh	17.455	405.584
3) Gas	9.135	219.950	3) Chattisgarh	7.620	209.040
Total MSPGCL	89.533	2773.898	4) Maharashtra Net	78.624	1957.921
B) 1) APLM	46.960	1403.859	5) Goa (Amona)	-0.618	-18.585
2) JSWEL	20.784	588.235	6) TAPS 1&2 Injection	3.095	90.180
3) VIPL	5.090	241.671	7) RGPPL Injection	11.592	332.183
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.317	6.003
5) WPCL	2.667	91.773	9) Pench (Excess)	-0.317	-6.003
6) Other IPP	2.597	71.521	Total	123.715	2883.951
C) 1) TPCL Thermal	12.425	434.505	a) Mumbai Schedule	16.258	578.929
2) TPCL Hydro	5.637	123.755	b) Mumbai Drawl	23.742	674.146
3) TPCL Gas	3.749	81.683	c) MSEDCL Bilateral *	34.632	814.732
4) R-INFRA Thermal	9.654	308.598	Include PX	-0.056	-141.869
D) STATE			d) Mumbai Bilateral *	16.258	578.929
1) Thermal	177.062	5484.791	Include PX	4.059	71.999
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	9.150	336.731	H) ENERGY CATERED (MUs)		
3) Gas	12.884	301.633	1) MSEDCL	289.814	8297.035
4) Wind	21.353	890.861	2) Mumbai Discoms	55.210	1622.690
6) SOLAR	0.857	21.755	TOTAL STATE	345.024	9919.725
TOTAL STATE	221.306	7035.771			

* 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	3264	3250	3419	3158
MSPGCL Hydro	354	232	398	43
MSPGCL Gas	377	396	353	389
MSPGCL Total Generation	3995	3878	4170	3590
Central Sector Receipt	6152	5649	5805	4027
WIND	617	482	1030	1150
CPP / IPP	3103	3171	3530	3029
SOLAR	97	117	0	0
Exchange with Mumbai	-1277	-1406	-1274	-527
MSEDCL DEMAND MET	12687	11891	13261	11269
Load Shedding	0	0	0	0
MSEDCL DEMAND	12687	11891	13261	11269
TPCL GENERATION	1071	1055	955	637
R-INFRA GENERATION	402	403	402	403
MUMBAI DEMAND	2750	2864	2631	1567
STATE DEMAND MET	15437	14755	15892	12836
STATE DEMAND	15437	14755	15892	12836
Frequency (Hz)	50.02	49.99	49.97	50.07

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.14 Hz at 13:02 Hrs	49.86 Hz at 19:12 Hrs	50	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 29/Jul/2016

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.32	0	0
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.60	0	0
Unit 8	10.23	335.18	492	0
Total	10.23	336.10		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	30.01	0	0
Unit 4	0.00	9.10	0	0
Unit 5	0.00	9.00	0	0
Total	0.00	48.11		
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	3.56	106.80	169	119
Unit 4	3.83	109.54	166	128
Unit 5	8.07	198.51	360	295
Unit 6	8.52	258.30	385	290
Unit 7	8.09	212.31	360	302
Unit 8	6.97	156.70	355	181
Total	39.06	1042.16		
Paras				
Unit 3	4.69	151.38	212	181
Unit 4	4.85	140.03	210	178
Total	9.54	291.41		
Khaparkheda				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	19.12	0	0
Unit 3	0.00	19.82	0	0
Unit 4	0.00	28.00	0	0
Unit 5	9.94	309.77	500	400
Total	9.94	376.72		
Nasik				
Unit 3	4.07	121.94	180	165
Unit 4	0.00	0.00	0	0
Unit 5	4.05	121.15	175	164
Total	8.12	243.08		
Uran				
All Units	9.14	219.95	402	353
Total	9.14	219.95		
PENCH (MS)				
Pench (MS)	0.32	6.00	39	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.32	6.00		
Koyna				
Stage 1-2	1.48	80.42	195	40
Stage 4	0.00	29.51	0	0
Stage 3	1.16	46.61	160	0
Total	2.63	156.54		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	4.12	0	0
TILLARI	0.18	7.74	61	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.48	11.95	80	0
RNGR+BHTSA	0.00	0.15	0	0
BHANDARDRA	0.00	8.31	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.08	1.82	4	3
GHATGHAR	0.14	22.33	109	0
Total	0.88	56.43		
Wind				
Total	21.35	890.86	0	0
Total	21.35	890.86		
CPP				
APML(Mus)	46.96	1403.86	0	0
JSWEL(Mus)	20.78	588.24	0	0
VIPL(Mus)	5.09	241.67	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	2.67	91.77	0	0
Other(Mus)	2.60	71.52	0	0
Total	78.10	2400.72		
SOLAR				
Total	0.86	21.76	0	0
Total	0.86	21.76		
Tata				
Trombay 5	7.58	277.75	318	314
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.30	51.04	115	70
Trombay 7B	1.45	30.64	67	53
Trombay 8	4.84	156.75	205	196
TATA Hydro	5.64	123.76	369	0
Total	21.81	639.94		
R-INFRA				
1-2	9.65	308.60	403	401
Total	9.65	308.60		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
Chandrapur 9	0.00	1.92	MSPGCL Thermal	76.88	2340.97	MSPGCL Total	89.53	2773.90
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	86.02	2560.92	Koyna 1,2 & 4 Total	1.48	109.93
Koradi 10	0.00	1.46	MSPGCL Hydro	3.51	212.98	State Total	221.31	7035.77
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 29/Jul/2016

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	3154	49	397	3600	1287	3602	0	4873	4092	-789	11792	0	11792	1856	13648	50.02
2	3099	54	389	3542	1074	3193	0	4792	4089	-632	11266	0	11266	1698	12964	50.01
3	3240	44	398	3682	1129	3049	0	4297	4049	-553	11356	0	11356	1614	12970	50.06
4	3158	43	389	3590	1150	3029	0	4095	4027	-527	11269	0	11269	1567	12836	50.07
5	3199	48	399	3646	1063	3046	0	4242	4124	-508	11371	0	11371	1568	12939	50.02
6	3136	43	399	3578	1113	3106	0	5037	4967	-556	12208	0	12208	1696	13904	49.98
7	3124	82	383	3589	968	3257	0	5395	5377	-615	12576	0	12576	1875	14451	50.00
8	3163	203	384	3750	946	3465	10	5512	5548	-734	12985	0	12985	2013	14998	50.01
9	3144	218	402	3764	947	3439	41	5786	5633	-907	12917	0	12917	2314	15231	49.99
10	3180	264	377	3821	695	3163	59	6060	6070	-1127	12681	0	12681	2573	15254	49.98
11	3264	354	377	3995	617	3103	97	5854	6152	-1277	12687	0	12687	2750	15437	50.02
12	3216	264	370	3850	602	3185	128	5723	5978	-1392	12351	0	12351	2865	15216	49.98
13	3250	232	396	3878	482	3171	117	5676	5649	-1406	11891	0	11891	2864	14755	49.99
14	3274	85	388	3747	516	3153	125	5457	5526	-1277	11790	0	11790	2729	14519	50.00
15	3291	98	372	3761	613	3164	90	5324	5189	-1273	11544	0	11544	2725	14269	49.98
16	3348	73	365	3786	635	3068	98	5241	5441	-1251	11777	0	11777	2699	14476	50.05
17	3322	104	376	3802	808	3066	62	5143	5011	-1235	11514	0	11514	2665	14179	49.98
18	3329	178	384	3891	1016	3077	27	4945	4837	-1270	11578	0	11578	2640	14218	50.00
19	3364	221	379	3964	1121	3207	3	5145	4993	-1225	12063	0	12063	2607	14670	49.98
20	3419	398	353	4170	1030	3530	0	5568	5805	-1274	13261	0	13261	2631	15892	49.97
21	3353	269	367	3989	1003	3550	0	5570	5499	-1205	12836	0	12836	2579	15415	50.02
22	3209	78	357	3644	876	3477	0	5448	5664	-1033	12628	0	12628	2399	15027	49.99
23	2996	58	365	3419	884	3451	0	5226	5046	-908	11892	0	11892	2221	14113	50.01
24	2653	53	369	3075	778	3540	0	4755	4949	-768	11574	0	11574	2059	13633	50.00
MUs	76.89	3.51	9.14	89.53	21.35	78.10	0.86	125.16	123.71	-23.74	289.81	0.00	289.81	55.21	345.02	50.00

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 29/Jul/2016

Position as on 6.30 Hrs of 30/Jul/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	
IPP	JSW (J) U3	300	21/06/2016	18.15	29/07/2016	23:47	Capital Overhaul	
MSPGCL	Khaparkheda Unit 1	210	25/06/2016	23.45		Continued.	Zero Schedule by MSEDCL from 00.00Hrs Dt.19-7-16 and A.O.H from 25/06/2016 to 18/07/2016	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	A.O.H from 19/07/2016 and Zero Shedule By MSEDCL from 1/07/2016 to 18/07/2016.	
IPP	VIPL U-2	300	15/07/2016	00.16		Continued.	Genrator Inspection.	
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 Shedule 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.	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	C.O.H from 19/06/2016 to 27/06/2016 and converted to zero schedule from 00.00hrs of 28/06/2016	
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		Continued.	Zero Schedule By MSEDCL.	
MSPGCL	Koradi Unit 5	200	01/07/2016	02.23		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Koradi Unit 7	210	01/07/2016	04.43		Continued.	Zero Shedule By MSEDCL.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 29/Jul/2016

Position as on 6.30 Hrs of 30/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-1	270	01/07/2016	18.40		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Bhusawal Unit 5	500	01/07/2016	23.59		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Chandrapur Unit 9	500	02/07/2016	07.26		Continued.	M.S.Temp.Low.	
MSPGCL	Khaparkheda Unit 2	210	05/07/2016	23.46		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 3	210	05/07/2016	23.52		Continued.	Zero Shedule By MSEDCL.	
MSPGCL	Khaparkheda Unit 4	210	08/07/2016	03.07		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)	
IPP	Adani U-4	660	13/07/2016	02.22		Continued.	Zero Shedule By MSEDCL.	
RGPP	Dabhol 3B	230	18/07/2016	12.40		Continued.	Tripped.	
IPP	WPCL U-3	135	21/07/2016	00.02	29/07/2016	22.33	Boiler Tube Leakage	
RGPP	Dabhol 2B	230	24/07/2016	17.13		Continued.	Change Over	
MSPGCL	Koradi Unit-8	660	29/07/2016	22.38		Continued.	DCS Failure.	
IPP	JSW (J) U3	300	30/07/2016	00:25	30/07/2016	03:57	Turbine high vibration	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 29/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 30/Jul/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) II	InterState	28/07/2016	21.29	29/07/2016	09.34	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	28/07/2016	21.52	29/07/2016	07.55	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	29/07/2016	03.01		Continued.	T	Over Voltage
Dhule Sar'Sarovar I	InterState	29/07/2016	22.17	30/07/2016	06.47	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	30/07/2016	01.46		Continued.	T	Over Voltage
Ektuni-Bableshtar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
karad -kolhapur-II	IntraState	26/07/2016	13.13	29/07/2016	09.01	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	27/07/2016	13.09		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	27/07/2016	21.07		Continued.	HT	Over Voltage
New Koyna - Koyna Stage IV-II	IntraState	28/07/2016	11.17	29/07/2016	20.21	PO	PLCC Direct and permissive trials(RFC 19.22Hrs)
Khadka- Deepnagar Ckt 1	IntraState	28/07/2016	21.47	29/07/2016	07.20	HT	Over Voltage
Main Bus-II @ Koradi	IntraState	29/07/2016	10.03	29/07/2016	19.55	PO	Dropper Connection for Charging Dia 10.
Khadka - Bableshtar	IntraState	29/07/2016	17.05	29/07/2016	17.18	PO	Shifted on TBC for SF6 Gas Filling Work in Main Breaker.
karad -kolhapur-I	IntraState	29/07/2016	21.22		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	29/07/2016	23.55		Continued.	HT	Over Voltage
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 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.
Aurangabad (Waluj)-Bhenda	IntraState	22/06/2016	23.02		Continued.	HT	Hand Tripped.
Kalwa-Salsette-IV	IntraState	28/06/2016	18.17		Continued.	T	Distance Protection
Bableshtar- Alephata	IntraState	24/07/2016	07.57		Continued.	HT	Load Diversion.
Mudshingi-Belewadi	IntraState	29/07/2016	10.14	29/07/2016	10.20	PO	Maintenance Work.
Kanhan-Umred 1	IntraState	29/07/2016	11.14	29/07/2016	16.39	PO	Replacement of NT Switch.
Halkarni-Hemrusline	IntraState	29/07/2016	11.21	29/07/2016	13.16	PO	For Line Signature.
Kamba-Borivali	IntraState	29/07/2016	12.01	29/07/2016	16.59	PO	Attending Hot Spot
Gadchandur - Virur-I	IntraState	29/07/2016	12.45	29/07/2016	17.21	PO	Attending Hot Spot
Bableshtar Ahamadnagar-I	IntraState	29/07/2016	15.32	29/07/2016	18.57	PO	Red hot spot Attending Work on R Phase CT.
Kandalgaon - Koyna	IntraState	29/07/2016	20.06		Continued.	T	Distance Protection Z-1,R Ph to Earth Fault.
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)
220/6.6kV 40MVA STN T/F-III	IntraState	29/07/2016	11.58		Continued.	PO	Transformer Oil Filtration Work.
132 KV LINE Outages/Trippings							
Ujani - AUSA	IntraState	28/07/2016	20.10	29/07/2016	11.25	T	Distance Protection
Beed - Raimoha	IntraState	29/07/2016	05.47	29/07/2016	13.40	T	Distance Protection
Himayatnagar -Kinwat	IntraState	29/07/2016	19.20	29/07/2016	19.40	T	Distance Protection
100 KV LINE Outages/Trippings							
Vasai-I - Vasai 1 Line	IntraState	29/06/2016	11.28		Continued.	HT	To Control Kalwa-Salsette-6 Line

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 29/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 30/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
							Loading.
Kalwa - Mukand 2	IntraState	29/07/2016	06.35		Continued.	PO	For New Tower Erection.