

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Jul/2016 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	84.268	1728.808	1) Gujrat	-1.764	-122.604
2) Hydro	7.515	143.260	2) Madhya Pradesh	14.671	258.834
3) Gas	6.820	149.906	3) Chattisgarh	8.130	143.570
Total MSPGCL	98.603	2021.974	4) Maharashtra Net	83.076	1299.013
B) 1) APML	43.272	1010.257	5) Goa (Amona)	-0.594	-14.287
2) JSWEL	21.440	418.768	6) TAPS 1&2 Injection	3.667	74.277
3) VIPL	6.596	189.658	7) RGPPL Injection	11.806	239.994
4) RPL(AMT)	0.000	3.657	8) Pench (MS)	0.178	4.698
5) WPCL	2.507	71.459	9) Pench (Excess)	-0.178	-4.698
6) Other IPP	2.329	50.374	Total	118.814	1874.099
C) 1) TPCL Thermal	14.813	308.940	a) Mumbai Schedule	19.835	422.539
2) TPCL Hydro	6.820	76.828	b) Mumbai Drawl	24.237	505.501
3) TPCL Gas	0.000	67.751	c) MSEDCL Bilateral *	34.626	549.419
4) R-INFRA Thermal	10.736	220.318	Include PX	0.000	-141.710
D) STATE			d) Mumbai Bilateral *	19.835	422.539
1) Thermal	185.961	4002.239	Include PX	4.288	38.783
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	14.335	220.088	H) ENERGY CATERED (MUs)		
3) Gas	6.820	217.657	1) MSEDCL	292.246	5936.679
4) Wind	22.140	786.678	2) Mumbai Discoms	56.606	1179.339
6) SOLAR	0.782	15.256	TOTAL STATE	348.852	7116.018
TOTAL STATE	230.038	5241.918			

* 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 3 Hrs
MSPGCL Thermal	3614	3336	3626	3356
MSPGCL Hydro	434	355	1049	73
MSPGCL Gas	288	276	287	281
MSPGCL Total Generation	4336	3967	4962	3710
Central Sector Receipt	5723	5642	5280	3646
WIND	823	539	864	1430
CPP / IPP	3326	3115	3299	2998
SOLAR	63	122	0	0
Exchange with Mumbai	-1103	-1379	-1053	-763
MSEDCL DEMAND MET	13168	12006	13352	11021
Load Shedding	0	0	0	0
MSEDCL DEMAND	13168	12006	13352	11021
TPCL GENERATION	1117	1078	1095	521
R-INFRA GENERATION	506	415	510	403
MUMBAI DEMAND	2726	2872	2658	1687
STATE DEMAND MET	15894	14878	16010	12708
STATE DEMAND	15894	14878	16010	12708
Frequency (Hz)	49.99	49.97	49.98	49.99

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.09 Hz at 15.04 Hrs	49.83 Hz at 00.37 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 21/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	9.17	245.84	420	339
Total	9.17	246.76		
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	4.03	77.34	190	148
Unit 4	4.12	79.61	182	160
Unit 5	7.66	171.94	326	305
Unit 6	9.75	186.65	450	335
Unit 7	8.84	148.35	405	340
Unit 8	9.52	98.79	455	323
Total	43.90	762.68		
Paras				
Unit 3	5.84	107.13	258	214
Unit 4	5.11	102.60	252	107
Total	10.94	209.74		
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	11.82	217.93	500	400
Total	11.82	284.87		
Nasik				
Unit 3	4.18	86.86	200	165
Unit 4	0.00	0.00	0	0
Unit 5	4.25	86.40	197	163
Total	8.43	173.26		
Uran				
All Units	6.82	149.91	294	276
Total	6.82	149.91		
PENCH (MS)				
Pench (MS)	0.18	4.70	59	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.18	4.70		
Koyna				
Stage 1-2	2.79	52.52	350	40
Stage 4	0.80	14.01	447	0
Stage 3	1.73	32.25	160	0
Total	5.32	98.78		
Hydro				
KDPH	0.00	0.00	0	0
VTRNA	0.00	4.12	0	0
TILLARI	0.12	7.03	60	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.50	8.38	80	0
RNGR+BHTSA	0.03	0.15	2	1
BHANDARDRA	0.22	8.20	37	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.23	0.43	10	9
GHATGHAR	1.10	16.16	244	0
Total	2.19	44.48		
Wind				
Total	22.14	786.68	0	0
Total	22.14	786.68		
CPP				
APML(Mus)	43.27	1010.26	0	0
JSWEL(Mus)	21.44	418.77	0	0
VIPL(Mus)	6.60	189.66	0	0
RPLAMT(Mus)	0.00	3.66	0	0
WPCL(Mus)	2.51	71.46	0	0
Other(Mus)	2.33	50.37	0	0
Total	76.14	1744.17		
SOLAR				
Total	0.78	15.26	0	0
Total	0.78	15.26		
Tata				
Trombay 5	9.48	196.28	483	310
Trombay 6	0.00	0.00	0	0
Trombay 7A	0.00	42.23	0	0
Trombay 7B	0.00	25.52	0	0
Trombay 8	5.33	112.66	248	200
TATA Hydro	6.82	76.83	387	0
Total	21.63	453.52		
R-INFRA				
1-2	10.74	220.32	511	402
Total	10.74	220.32		

* 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	84.27	1728.81	MSPGCL Total	98.60	2021.97
Koradi 9	0.00	0.00	MSPGCL Thml+Gas	91.09	1878.71	Koyna 1,2 & 4 Total	3.60	66.53
Koradi 10	0.00	1.46	MSPGCL Hydro	7.52	143.26	State Total	230.04	5241.92
Parli 8	0.00	0.00						

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 21/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	3320	67	283	3670	1174	3263	0	4429	4234	-882	11459	0	11459	1951	13410	49.96
2	3380	72	293	3745	1320	3208	0	4295	4073	-854	11492	0	11492	1781	13273	50.00
3	3356	73	281	3710	1430	2998	0	4268	3646	-763	11021	0	11021	1687	12708	49.99
4	3397	73	281	3751	1380	2710	0	3830	3991	-718	11114	0	11114	1639	12753	49.97
5	3378	96	293	3767	1209	2771	0	4223	4322	-718	11351	0	11351	1638	12989	49.97
6	3411	257	286	3954	1202	2837	0	4599	4751	-803	11941	0	11941	1757	13698	49.94
7	3580	314	281	4175	1366	3181	3	4673	4400	-480	12645	0	12645	1926	14571	50.00
8	3608	197	291	4096	1331	3323	21	4924	4711	-524	12958	0	12958	2102	15060	50.02
9	3591	264	294	4149	1009	3328	38	5235	5220	-808	12936	0	12936	2417	15353	50.01
10	3614	434	288	4336	823	3326	63	5280	5723	-1103	13168	0	13168	2726	15894	49.99
11	3653	485	278	4416	778	3314	71	5395	5511	-1265	12825	0	12825	2887	15712	50.00
12	3577	410	287	4274	588	3239	91	5429	5334	-1284	12242	0	12242	2900	15142	49.99
13	3336	355	276	3967	539	3115	122	5216	5642	-1379	12006	0	12006	2872	14878	49.97
14	3389	513	276	4178	605	3060	99	5046	5274	-1397	11819	0	11819	2739	14558	49.99
15	3522	471	285	4278	558	3104	94	5029	5321	-1428	11927	0	11927	2729	14656	49.97
16	3660	341	286	4287	588	3198	84	4988	5186	-1415	11928	0	11928	2722	14650	49.98
17	3599	289	277	4165	795	3235	57	4963	5271	-1393	12130	0	12130	2698	14828	50.00
18	3572	157	284	4013	820	3240	31	4857	4831	-1369	11566	0	11566	2679	14245	50.00
19	3631	243	279	4153	924	3256	8	5085	5386	-1231	12496	0	12496	2635	15131	50.01
20	3626	1049	287	4962	864	3299	0	5180	5280	-1053	13352	0	13352	2658	16010	49.98
21	3590	772	278	4640	809	3296	0	5212	5412	-966	13191	0	13191	2589	15780	49.98
22	3518	422	290	4230	735	3288	0	5170	5387	-823	12817	0	12817	2449	15266	49.99
23	3547	104	276	3927	656	3280	0	5175	4987	-755	12095	0	12095	2303	14398	49.99
24	3413	57	290	3760	637	3275	0	4915	4921	-826	11767	0	11767	2122	13889	50.03
MUs	84.27	7.51	6.82	98.60	22.14	76.14	0.78	117.42	118.81	-24.24	292.25	0.00	292.25	56.61	348.85	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 21/Jul/2016

Position as on 6.30 Hrs of 22/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	
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
MSPGCL	Koyna Unit 10	80	29/12/2015	08:00		Continued.	Annual Overhaul	
MSPGCL	Nasik Unit 4	210	19/06/2016	00.20		Continued.	Capital Overhaul.	
IPP	JSW (J) U3	300	21/06/2016	18.15		Continued.	Capital Overhaul	
MSPGCL	Khaparkheda Unit 1	210	25/06/2016	23.45		Continued.	Zero Schedule by MSEDCL from 00.00Hrs Dt.18-7-16 and A.O.H from 25/06/2016 to 17/07/2016	
MSPGCL	Bhusawal Unit 4	500	01/07/2016	23.55		Continued.	A.O.H from 17/07/2016 and Zero Shedule By MSEDCL from 1/07/2016 to 16/07/2016.	
IPP	VIPL U-2	300	15/07/2016	00.16		Continued.	Genrator Inspection.	
TPC-G	Trombay 7B	60	19/07/2016	21.49		Continued.	Mandatory Gas Path Inspection for 7 Days	
TPC-G	Trombay 7A	120	19/07/2016	22.02		Continued.	Mandatory Gas Path Inspection for 7 Days	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPPL	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.	
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.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 21/Jul/2016

Position as on 6.30 Hrs of 22/Jul/2016

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
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.	
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.	
IPP	Adani U-1	660	13/07/2016	02.29		Continued.	Zero Shedule By MSEDCL.	
RGPL	Dabhol 3B	230	18/07/2016	12.40		Continued.	Tripped.	
RGPL	Dabhol 2A	230	18/07/2016	17.27		Continued.	Purge Valve Problem.	
IPP	WPCL U-3	135	21/07/2016	00.02		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 22/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							
Chandrapur Bhadravati III	InterState	10/07/2016	21.01		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	20/07/2016	18.02		Continued.	HT	Over Voltage
Lamboti - Solapur (PG)	InterState	20/07/2016	19.03	21/07/2016	06.46	T	Distance Protection
Kolhapur Solapur (PG) II	InterState	21/07/2016	08.30		Continued.	T	Over Voltage
Lamboti - Solapur (PG)	InterState	22/07/2016	02.20	22/07/2016	05.33	T	Over Voltage
Ektuni-Bableshwar ckt I	IntraState	01/07/2016	18.00		Continued.	HT	To control Load on Padgha-BBLSR Line
Bhusawal-Aurangabad	IntraState	02/07/2016	16.24		Continued.	HT	Over Voltage
Khadka- Deepnagar Ckt 1	IntraState	12/07/2016	13.11		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	16/07/2016	16.36		Continued.	HT	Over Voltage
karad -kolhapur-I	IntraState	18/07/2016	12.15		Continued.	HT	Over Voltage
Main Bus-II @ Koradi	IntraState	20/07/2016	11.30		Continued.	PO	Isolator alignment work
Lonikand I - Koyna stage-IV	IntraState	20/07/2016	23.54	21/07/2016	06.58	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/07/2016	09.55		Continued.	PO	Routine Relay Testing Work.RFC @ 18.35 Hrs.
Girwali-Solapur (Lamboti)	IntraState	21/07/2016	23.56	22/07/2016	05.35	T	Over Voltage
400 KV ICT Outages/Trippings							
400/220/33 Kv 315 MVA ICT II @Babhleshwar	IntraState	19/07/2016	21.37	21/07/2016	03.01	T	Differential protection
400/220/33kv 315MVA ICT-I @Lonikand	IntraState	21/07/2016	10.01	21/07/2016	15.17	PO	Half yearly maintenance work
400/220 KV 500 MVA ICT- III @ Aurangabad	IntraState	21/07/2016	10.42	21/07/2016	15.43	EO	R & M.
400/220 Kv 500 Mva Ict 1 @Lamboti	IntraState	21/07/2016	20.45		Continued.	T	Differntial Protection,Due to Delta Formation Jump Open.
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
Mahad-Kandalgaon	IntraState	20/07/2016	22.30	21/07/2016	00.10	EO	To attend Hot Spot
Lonikand (400 Kv)-Theur li	IntraState	21/07/2016	08.45	21/07/2016	11.00	EO	Attending Hot Spot
Baramati - Kurkumbh	IntraState	21/07/2016	10.05	21/07/2016	16.45	PO	Annual Diagnostic Testing Work.
Hinganghat - Hinganghat Rly TSS 1	IntraState	21/07/2016	10.30	21/07/2016	15.57	PO	Dismantling of CB @ TSS End.
Lonikand (400 Kv)-Theur I	IntraState	21/07/2016	11.09	21/07/2016	16.51	EO	Attending Hot Spot
Nanded - Parli Ext. Ckt I	IntraState	21/07/2016	12.56	21/07/2016	18.40	PO	Nut Bolt Tightening Work.
Nanded - Parli Ext. Ckt II	IntraState	21/07/2016	12.56	21/07/2016	18.40	PO	Nut Bolt Tightening Work.
Gadchandur - Virur-I	IntraState	21/07/2016	21.30	21/07/2016	21.50	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)
132 KV LINE Outages/Trippings							
Kaulewada-Madgi-li	IntraState	21/07/2016	18.59		Continued.	T	Tripped @ Kalwewada End Only Distance Protection Z-2 R Ph.11KV Control Room Caught

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 21/Jul/2016

Statement-VII

Position as on 6.30 Hrs of 22/Jul/2016

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Bhandara-Madgi-I	IntraState	21/07/2016	18.59	22/07/2016	03.52	T	Tripped @ Bhandara End H/T @ Madgi End 11 KV Control Room Caught Fire.
Bhandara-Madgi-II	IntraState	21/07/2016	18.59		Continued.	T	Tripped @ Bhandara End H/T @ Madgi End 11 KV Control Room Caught Fire.
Kaulewada-Madgi-I	IntraState	21/07/2016	18.59	22/07/2016	03.25	T	Tripped @ Kalwewada End Only Distance Protection Z-2 R Ph.11KV Control Room Caught
100 KV LINE Outages/Trippings							
Vasai-II - Vasai 1 Line	IntraState	29/06/2016	11.28		Continued.	HT	To Control Kalwa-Salsette-6 Line Loading.