

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 21/Nov/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.683	2553.080	1) Gujrat	2.265	47.187
2) Hydro	10.271	187.725	2) Madhya Pradesh	9.032	190.208
3) Gas	10.471	186.568	3) Chattisgarh	5.330	116.250
Total MSPGCL	142.425	2927.373	4) Maharashtra Net	84.842	1899.778
B) 1) APMIL	50.983	1117.225	5) Goa	-3.750	-129.734
2) JSWEL	20.089	430.395	6) TAPS 1&2 Injection	3.461	74.062
3) VIPL	11.673	209.151	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	22.120	491.463	8) Pench (MS)	0.618	12.402
5) WPCL	4.336	105.315	9) Pench (Excess)	-0.618	-12.402
6) Other IPP	9.784	133.862	Total	100.562	2185.349
C) 1) TPCL Thermal	15.414	324.473	a) Mumbai Schedule	18.068	420.287
2) TPCL Hydro	2.790	44.756	b) Mumbai Drawl	25.215	551.564
3) TPCL Gas	3.694	73.119	c) MSEDCL Bilateral *	22.551	498.466
4) R-INFRA Thermal	10.643	223.426	Include PX	-1.728	3.329
D) STATE			d) Mumbai Bilateral *	18.068	420.287
1) Thermal	266.725	5588.390	Include PX	0.448	59.986
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	13.061	232.481	H) ENERGY CATERED (MUs)		
3) Gas	14.165	259.687	1) MSEDCL	346.420	7282.389
4) Wind	8.773	210.329	2) Mumbai Discoms	57.758	1217.329
6) SOLAR	0.890	23.491	TOTAL STATE	404.178	8499.718
TOTAL STATE	303.614	6314.378			

* Displayed for information, not added in total.

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW) Statement II

PARTICULARS	A. Morning Peak at 12 Hrs	B. Day Peak at 13 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 4 Hrs
MSPGCL Thermal	5268	5269	5225	4784
MSPGCL Hydro	1177	1044	290	132
MSPGCL Gas	422	422	444	444
MSPGCL Total Generation	6867	6735	5959	5360
Central Sector Receipt	4675	4767	4595	3054
WIND	407	264	102	732
CPP / IPP	5418	5405	5262	4303
SOLAR	145	137	0	0
Exchange with Mumbai	-1189	-1239	-1323	-778
MSEDCL DEMAND MET	16323	16069	14595	12671
Load Shedding	25	25	15	20
MSEDCL DEMAND	16348	16094	14610	12691
TPCL GENERATION	1180	1135	1002	656
R-INFRA GENERATION	516	513	402	397
MUMBAI DEMAND	2885	2887	2727	1831
STATE DEMAND MET	19208	18956	17322	14502
STATE DEMAND	19233	18981	17337	14522
Frequency (Hz)	49.94	49.96	50.00	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.18 Hz at 13.03 Hrs	49.61 Hz at 07.52 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 21/Nov/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	12.70	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.80	62.63	165	144
Total	3.80	75.32		
Bhusawal				
Unit 2	4.08	64.92	175	150
Unit 3	4.32	64.16	185	175
Unit 4	11.18	223.42	500	410
Unit 5	11.22	218.44	505	410
Total	30.80	570.94		
Parli				
Unit 3	0.00	0.00	0	0
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 1	0.00	0.00	0	0
Unit 2	2.99	65.49	132	119
Unit 3	4.22	77.68	191	163
Unit 4	4.33	91.22	187	172
Unit 5	9.40	186.36	425	375
Unit 6	9.59	197.93	450	365
Unit 7	10.06	204.10	442	410
Total	40.59	822.78		
Paras				
Unit 3	5.21	101.62	230	206
Unit 4	5.58	102.57	256	205
Total	10.79	204.19		
Khaparkheda				
Unit 1	3.52	78.22	165	125
Unit 2	3.59	77.20	160	115
Unit 3	4.03	66.23	192	144
Unit 4	3.98	74.04	189	144
Unit 5	9.44	207.38	425	350
Total	24.56	503.07		
Nasik				
Unit 3	4.56	73.82	195	185
Unit 4	1.94	83.18	185	0
Unit 5	4.64	92.70	198	186
Total	11.15	249.70		
Uran				
All Units	10.47	186.57	452	418
Total	10.47	186.57		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.62	12.40	49	3
Total	0.62	12.40		
Koyna				
Stage 1-2	4.10	61.57	445	40
Stage 4	0.76	29.22	220	0
Stage 3	0.80	19.98	102	0
Total	5.66	110.77		
Hydro				
KDPH	0.45	11.89	19	18
VTRNA	0.58	10.73	61	0
TILLARI	0.00	0.76	0	0
BHTGR/VEER	0.09	0.40	4	3
BHIRA T.R.	0.19	2.06	80	0
RNGR+BHTSA	0.26	4.93	13	0
BHANDARDRA	0.46	8.93	37	11
ELDARY	0.25	0.92	11	10
SMLHY_PTN	0.86	12.55	42	33
GHATGHAR	1.49	23.78	250	0
Total	4.61	76.95		
Wind				
Total	8.77	210.33	0	0
Total	8.77	210.33		
CPP				
APML(Mus)	50.98	1117.22	0	0
JSWEL(Mus)	20.09	430.40	0	0
VIPL(Mus)	11.67	209.15	0	0
RPLAMT(Mus)	22.12	491.46	0	0
WPCL(Mus)	4.34	105.32	0	0
Other(Mus)	9.78	133.86	0	0
Total	118.98	2487.41		
SOLAR				
Total	0.89	23.49	0	0
Total	0.89	23.49		
Tata				
Trombay 5	9.87	208.07	473	315
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.24	43.93	115	79
Trombay 7B	1.45	29.19	68	56
Trombay 8	5.54	116.40	251	201
TATA Hydro	2.79	44.76	282	0
Total	21.90	442.35		
R-INFRA				
1-2	10.64	223.43	520	394
Total	10.64	223.43		

Infirm Power	Chandrapur 8	0.00
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	121.68	2553.08
MSPGCL Thml+Gas	132.15	2739.65

Koradi 8	0.00	
Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	10.27	187.72
MSPGCL Total	142.42	2927.37

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	4.86	90.80
State Total	303.61	6314.38

State Load Despatch Center,Airoli (MSETCL)
Hourly Load Data As on 21/Nov/2015

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	4798	145	433	5376	548	4443	0	3838	3724	-1152	12939	22	12961	2198	15159	49.98
2	4816	129	431	5376	639	4318	0	4111	3580	-970	12943	13	12956	2023	14979	49.97
3	4785	130	442	5357	722	4303	0	3476	3150	-859	12673	20	12693	1909	14602	49.96
4	4784	132	444	5360	732	4303	0	3129	3054	-778	12671	20	12691	1831	14522	49.95
5	4779	221	444	5444	769	4308	0	3096	3321	-728	13114	20	13134	1797	14931	49.96
6	4820	267	448	5535	687	4307	0	3639	3817	-789	13557	29	13586	1854	15440	49.90
7	4854	487	444	5785	612	4423	0	4043	4125	-766	14179	39	14218	1902	16120	49.84
8	5116	577	444	6137	538	5045	15	4302	4354	-637	15452	55	15507	2004	17511	49.77
9	5198	558	427	6183	453	5314	60	4398	4550	-745	15815	85	15900	2235	18135	49.84
10	5272	776	421	6469	481	5386	99	4432	4654	-933	16156	31	16187	2516	18703	49.84
11	5261	996	418	6675	461	5397	131	4458	4326	-1161	15829	27	15856	2794	18650	49.86
12	5268	1177	422	6867	407	5418	145	4478	4675	-1189	16323	25	16348	2885	19233	49.94
13	5269	1044	422	6735	264	5405	137	4471	4767	-1239	16069	25	16094	2887	18981	49.96
14	5270	652	419	6341	189	5413	130	4604	4672	-1138	15607	27	15634	2761	18395	49.96
15	5213	510	420	6143	126	5418	95	4756	4883	-1150	15515	15	15530	2763	18293	49.98
16	5312	464	435	6211	99	5443	55	4719	5102	-1118	15792	15	15807	2753	18560	49.89
17	5233	220	435	5888	93	5396	21	4429	4477	-1107	14768	15	14783	2703	17486	49.86
18	5203	369	447	6019	116	5337	2	3691	3961	-1204	14231	15	14246	2725	16971	49.90
19	5207	393	444	6044	86	5356	0	4443	4265	-1259	14492	15	14507	2804	17311	49.93
20	5225	290	444	5959	102	5262	0	4617	4595	-1323	14595	15	14610	2727	17337	50.00
21	5023	199	445	5667	94	5038	0	4383	4576	-1309	14066	15	14081	2592	16673	49.96
22	5013	217	452	5682	154	4835	0	4005	3848	-1196	13323	15	13338	2461	15799	50.01
23	4990	178	445	5613	194	4641	0	4045	3991	-1255	13184	15	13199	2360	15559	49.93
24	4974	140	445	5559	207	4476	0	4234	4097	-1210	13129	15	13144	2272	15416	49.98
MUs	121.68	10.27	10.47	142.43	8.77	118.98	0.89	99.80	100.56	-25.21	346.42	0.59	347.01	57.76	404.77	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 21/Nov/2015

Position as on 6.30 Hrs of 22/Nov/2015

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
CENT.SECTOR	Tarapur 2	160	10/09/2015	12.55		Continued.	Refuelling work	
FORCED OUTAGE								
RGPPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPPL	Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
RGPPL	Dabhol 2A	230	06/06/2013	09.10		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	
RGPPL	Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
RGPPL	Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
RGPPL	Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	No schedule	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Economic shutdown	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Parli Unit 3	210	14/06/2015	12.58		Continued.	Water Shortage	
IPP	WPCL U-2	135	16/06/2015	00.00		Continued.	No Schdule	
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	
TPC-G	Trombay 6	500	15/07/2015	17.08		Continued.	Economic shutdown	
CPP	WPCL U-1	135	23/10/2015	17.31		Continued.	ESP filter problem	
IPP	Adani U-4	660	07/11/2015	15.51	22/11/2015	07.15	Hot Air Outlet Leakage.	
MSPGCL	Koradi Unit-8	660	09/11/2015	01.07		Continued.	Coal mill problem	
MSPGCL	Chandrapur Unit-8	500	10/11/2015	12.10		Continued.	Drum level low	
IPP	RPL(AMT) U-4	270	18/11/2015	11.48		Continued.	PA Fan problem	
MSPGCL	Nasik Unit 4	210	19/11/2015	02.05	21/11/2015	10.43	Boiler Tube Leakage	
MSPGCL	Koradi Unit 5	200	19/11/2015	14.34		Continued.	Rotor Earth Fault.	
IPP	JSW (J) U2	300	20/11/2015	11.16		Continued.	No Schedule.	
IPP	Adani U-5	660	22/11/2015	08.55		Continued.	Leakage tube oil system	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 21/Nov/2015

Statement-VII

Position as on 6.30 Hrs of 22/Nov/2015

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							
Dabhol Nagothane II	InterState	18/11/2015	11.33		Continued.	T	Distance Protection(RFC 19.25Hrs)
Kolhapur Solapur(PG) I	InterState	20/11/2015	17.12	21/11/2015	07.10	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	20/11/2015	17.22	21/11/2015	11.05	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	21/11/2015	17.10	22/11/2015	06.58	HT	Over Voltage
Kolhapur Solapur (PG) II	InterState	21/11/2015	20.09	22/11/2015	07.28	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	22/11/2015	17.07		Continued.	HT	Over Voltage
Kolhapur Solapur(PG) I	InterState	22/11/2015	17.18		Continued.	HT	Over Voltage
Akola II - Taptitanda ckt-II	IntraState	06/10/2015	09.44		Continued.	HT	For Controlling Line Loading.
Karad-Jaigad - I	IntraState	09/11/2015	16.04	21/11/2015	09.30	HT	Over Voltage
karad -kolhapur-I	IntraState	19/11/2015	16.47	21/11/2015	08.40	HT	Over Voltage
Babhaleshwar-Taptitanda ckt-I	IntraState	20/11/2015	12.01		Continued.	PO	Testing Work,RFC @ 17.40 Hrs.
Bhusawal-Aurangabad	IntraState	20/11/2015	17.38	21/11/2015	07.13	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	20/11/2015	21.27	21/11/2015	08.44	HT	Over Voltage
Chandrapur-Parali 2	IntraState	21/11/2015	09.59	21/11/2015	17.21	PO	For Fixing Broken Spacers.
karad -kolhapur-II	IntraState	21/11/2015	16.04	22/11/2015	09.18	HT	Over Voltage
Karad - Jaigad - II	IntraState	21/11/2015	16.09		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	21/11/2015	17.13		Continued.	HT	Over Voltage
Lonikand I - Koyna stage-IV	IntraState	21/11/2015	22.00	22/11/2015	08.57	HT	Over Voltage
Padghe - Talegaon (PG)	IntraState	22/11/2015	12.18	22/11/2015	18.23	PO	Annual Maintenance Work
karad -kolhapur-I	IntraState	22/11/2015	16.07		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220kv 315MVA ICT-III @Talegaon(PG)	InterState	22/11/2015	17.10		Continued.	PO	Annual Maintenance Work
400/220/33kv 315MVA ICT-I @Lonikand	IntraState	22/11/2015	21.16	22/11/2015	22.22	T	Tripped on hv back up
400/220/33kv 315mva ict3 @Lonikand	IntraState	22/11/2015	21.16	22/11/2015	22.56	T	Tripped on hv back up
400/220/33kv 315MVA ICT2 @Lonikand	IntraState	22/11/2015	21.16	22/11/2015	22.48	T	Tripped on hv back up
220 KV LINE Outages/Trippings							
Boisar Tarapur	InterState	20/11/2015	06.05		Continued.	PO	String Work of M/C 0.4KM Between Boiser Gantry & Loc Noc1/A1(20 Days).
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.
Wadkhali - Ipcl 1	IntraState	06/11/2015	11.50		Continued.	PO	Replacement of Conductors (for 15 Days).
Kalwa-Salsette-IV	IntraState	14/11/2015	08.20		Continued.	PO	Conductor uprating work (35 days outage)
Boisar(M) - Ghodbunder	IntraState	20/11/2015	06.18		Continued.	PO	String Work of M/C 0.4KM Between Boiser Gantry & Loc No.1/A1(20 Days).
Padghe - Kamba	IntraState	21/11/2015	08.06	21/11/2015	18.53	PO	Erection of guid tower at kamba s/s.
Trombay Salsette 1 Backbay	IntraState	21/11/2015	08.39	21/11/2015	09.14	T	Distance Protection
Bus Section @ VSNL	IntraState	21/11/2015	13.27	21/11/2015	18.37	PO	To attend Hot Spot
Kalwa - Borivali	IntraState	21/11/2015	16.11	21/11/2015	16.26	T	Distance Protection

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/Nov/2015

Statement-VII

Position as on 6.30 Hrs of 22/Nov/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Vita - Mhaishal	IntraState	21/11/2015	19.07	21/11/2015	19.31	T	Distance Protection
Kalwa-Salsette-VI	IntraState	22/11/2015	01.09	22/11/2015	06.53	PO	To attend Hot Spot
Infosys - Hinjawadi 1	IntraState	22/11/2015	01.52	22/11/2015	10.55	T	Insulator String Broken.
Padgha - Temghar I	IntraState	22/11/2015	19.53	22/11/2015	20.45	T	Tripped only padgha end
Colourchem - Temghar	IntraState	22/11/2015	19.53		Continued.	T	Distance Protection
Kalwa - Colourchem	IntraState	22/11/2015	19.53	22/11/2015	20.41	T	Back up protection
Ranjangaon-Lonikand	IntraState	22/11/2015	21.16	22/11/2015	22.18	T	Tripped at ranjangaon end
Lonikand (400 Kv)-Theur li	IntraState	22/11/2015	21.16		Continued.	T	Distance Protection
Pargaon(Kathapur)-Lonikand	IntraState	22/11/2015	21.16	22/11/2015	23.22	T	Tripped at kathapur end
Lonikand (400 Kv)-Theur I	IntraState	22/11/2015	21.16	22/11/2015	22.51	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Internal Fault
220/22 Kv 50 Mva Ptr 1 @Lonikand	IntraState	22/11/2015	21.16	22/11/2015	22.22	HT	HV supply goes off
220/22 Kv 50 Mva Ptr 2 @Lonikand	IntraState	22/11/2015	21.16		Continued.	HT	HV supply goes off
132 KV LINE Outages/Trippings							
Palghar - Palghar Railway 1	IntraState	21/11/2015	10.30	21/11/2015	11.20	PO	ABT Metering work for railway.
Palghar - Palghar Railway 2	IntraState	21/11/2015	11.35	21/11/2015	11.50	PO	ABT Metering work for railway.
110 KV LINE Outages/Trippings							
Kalyan Kalwa Salsette 2	IntraState	21/11/2015	07.16	21/11/2015	20.24	PO	Conductor stringing work.
100 KV LINE Outages/Trippings							
Kolshet - Kharbav	IntraState	20/11/2015	18.55	21/11/2015	07.40	PO	200kv padgha-kamba line work.

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