



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

22/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 22/May/2014 THURSDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	105.272	2656.909	1) Gujrat	5.423	176.928
2) Hydro	23.744	320.986	2) Madhya Pradesh	20.171	461.303
3) Gas	14.152	281.237	3) Chattisgarh	9.430	192.020
Total MSGENCO	143.168	3259.132	4) Maharashtra Net	94.291	1913.307
B) 1) JSW JAIGAD	20.811	439.913	(Incl. 765kV Solapur-Raichur)	-2.426	-7.933
2) WPCL	2.748	60.373	5) Goa	-6.604	-152.701
3) ADANI	34.894	876.950	6) TAPS 1&2 Injection	7.394	162.923
4) Other CPP / IPP	23.833	486.904	7) RGPPL Injection	0.000	0.000
5) Wind Generation	19.537	265.770	8) Pench (Excess)	-0.105	-4.140
6) PENCH (MS)	0.105	4.140			
7) SOLAR	1.062	21.509	# Total Cent. Sector	130.000	2749.640
C) 1) TPCL Thermal	20.091	407.089	F) Other Exchanges		
2) TPCL Hydro	5.494	89.228	1) With TPCL (Excess)	-25.922	-572.431
TOTAL TPCL	25.585	496.317	G) Bilateral Power *		
3) REL Thermal	12.435	268.894	1) MSEDCL Bilateral	25.675	587.600
D) STATE			Include PX	3.556	91.968
1) Thermal (A1+C1+C3)	137.798	3332.892	2) MUMBAI Bilateral	28.406	605.792
2) Hydro (A2+B6+C2)	29.343	414.354	Include PX	3.204	66.437
3) Gas (A3)	14.152	281.237	3) MUMBAI Schedule	28.406	606.870
4) Wind (B5)	19.537	265.770	H) ENERGY CATERED (MUs)		
5) CPP/IPP (B1+B2+B3+B4)	82.286	1864.140	1) MSEDCL	350.236	7591.900
6) SOLAR (B7)	1.062	21.509	2) TPCL	40.737	852.344
TOTAL STATE	284.178	6179.902	3) REL	23.194	485.270
			TOTAL STATE	414.167	8929.514

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4640	4587	3994
MSGENCO Hydro	1398	1595	441
MSGENCO Gas	580	574	608
MSGENCO Total Generation	6618	6756	5043
Central Sector Receipt	5904	6149	5064
WIND	712	733	1106
CPP / IPP	3214	3112	3627
SOLAR	149	80	0
Exchange with Mumbai	-1222	-1322	-717
MSEDCL DEMAND MET	15375	15508	14123
Load Shedding	754	597	225
MSEDCL DEMAND	16129	16105	14348
TPCL GENERATION	1425	1314	812
R-INFRA GENERATION	517	517	519
TPCL+R-INFRA DEMAND	3164	3153	2048
STATE DEMAND MET	18539	18661	16171
STATE DEMAND	19293	19258	16396
Frequency (Hz)	49.99	49.84	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.28 Hz at 05:59 Hrs	49.65 Hz at 14:29 Hrs	49.94	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center,Airoli (MSETCL)

Daily and Progressive Generation,Maximum,Minimum,OLC Details for 22/May/2014

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.00	0.00	0	0	0
Unit 6	0.00	72.34	0	0	0
Unit 7	3.57	76.32	160	140	154
Total	3.57	148.65			154
Bhusawal					
Unit 2	0.00	66.73	0	0	0
Unit 3	2.32	54.97	140	0	140
Unit 4	7.86	183.02	490	285	300
Unit 5	7.56	168.22	390	280	300
Total	17.74	472.94			740
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.88	83.09	163	155	158
Unit 6	5.29	102.80	250	187	200
Unit 7	5.07	77.27	250	185	180
Total	14.23	286.57			538
Chandrapur					
Unit 1	3.20	72.08	139	125	140
Unit 2	2.62	68.39	160	0	100
Unit 3	0.09	24.48	87	0	0
Unit 4	4.00	95.80	186	146	160
Unit 5	0.00	162.44	0	0	0
Unit 6	9.00	199.52	405	353	380
Unit 7	8.60	186.51	394	300	325
Total	27.50	809.22			1105
Paras					
Unit 3	4.81	87.83	214	189	200
Unit 4	5.15	99.07	234	190	230
Total	9.96	186.90			430
Khaparkheda					
Unit 1	3.32	78.12	155	120	190
Unit 2	3.44	73.53	170	135	185
Unit 3	2.09	70.75	148	0	0
Unit 4	3.12	76.83	150	0	210
Unit 5	8.14	186.73	475	290	500
Total	20.11	485.96			1085
Nasik					
Unit 3	4.27	95.20	190	165	190
Unit 4	4.48	88.24	194	173	190
Unit 5	3.41	83.24	191	64	190
Total	12.15	266.67			570
Uran					
All Units	14.15	281.24	611	535	600
Total	14.15	281.24			600
PENCH (MS)					
Pench (MS)	0.10	4.14	27	0	0
Total	0.10	4.14			0
Koyna					
Stage 1-2	6.68	78.76	500	45	600
Stage 4	10.21	102.97	1115	0	250
Stage 3	3.04	40.42	240	0	320
Kovna 12&4 Total	16.89	181.73			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	19.93	222.16			1170
Hydro					
KDPH	0.28	6.22	12	11	18
VTRNA	0.98	26.03	61	0	61
TILLARI	0.81	10.58	64	0	60
BHTGR/VEER	0.18	1.30	8	7	2
BHIRA T.R.	0.37	5.57	40	0	40
RNGR+BHTSA	0.27	4.85	12	11	10
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.68	13.45	35	25	10
GHATGHAR	0.24	18.28	121	0	0
Total	3.82	98.83			201
Wind					
MalharPeth	0.37	4.20			
Vankuswadi	0.78	9.94			
ATIT	0.09	1.04			
Kale	0.22	2.64			
Satara	6.77	88.92			
Shirala	0.36	4.70			
K Mahankal	0.06	0.62			
Supa	0.21	2.62			
Vita	2.21	21.85			
Dondaicha	5.84	92.49			
Sakri	0.78	12.09			
Nandurbar	0.54	8.67			
Khandke	0.62	5.33			
Khaparale	0.70	10.65			
Total	19.54	265.77			
CPP					
JSW JAIGAD	20.81	439.91	908	776	824
WARDHA	2.75	60.37	117	107	115
Adani	34.89	876.95	1829	1018	1846
Other CPPs	23.83	486.90			915
Total	82.29	1864.14			3700
SOLAR					
Total	1.06	21.51			
Total	1.06	21.51			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.38	227.44	497	423	450
Trombay 6	4.15	85.92	279	153	500
Trombay 7A	2.93	59.23	124	120	120
Trombay 7B	1.63	34.50	69	67	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	5.49	89.23	471	0	447
Total	25.58	496.32			1577
REL					
1&2	12.44	268.89	521	506	500
Total	12.44	268.89			500
Cent Sect					
Share					5855
Total					5855
MS PG CL	Thermal	105.27	2656.91		4622
	Thml+Gas	119.42	2938.15		5222
	Hydro	23.74	320.99		1371
	Total	143.17	3259.13		6593
State Total		284.18	6179.90		18225

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 22/May/2014

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDI NG	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4223	1407	605	6235	911	3829	0	5236	5168	-1187	-1123	15047	130	15177	2523	17700	49.93
2	3943	1367	608	5918	958	3753	0	4996	5096	-1011	-934	14804	184	14988	2337	17325	49.94
3	4000	1086	608	5694	1100	3676	0	4980	4831	-899	-854	14447	199	14646	2192	16838	49.96
4	3973	662	611	5246	1156	3649	0	4992	5368	-879	-760	14659	210	14869	2095	16964	49.98
5	3994	441	608	5043	1106	3627	0	4999	5064	-868	-717	14123	225	14348	2048	16396	49.95
6	4067	406	610	5083	1059	3607	0	5206	5219	-1016	-771	14197	384	14581	2063	16644	50.04
7	4183	184	601	4968	979	3738	5	5249	5348	-1063	-746	14316	880	15196	2035	17231	50.07
8	4288	298	597	5183	779	3680	30	5035	4935	-849	-763	13871	901	14772	2128	16900	50.04
9	4337	626	594	5557	794	3750	69	5071	5324	-975	-867	14641	849	15490	2437	17927	50.00
10	4465	807	586	5858	712	3926	109	5578	5727	-1146	-1075	15257	615	15872	2799	18671	49.91
11	4494	1055	578	6127	695	3675	116	5790	5968	-1415	-1220	15361	637	15998	3069	19067	49.92
12	4640	1398	580	6618	712	3214	149	5701	5904	-1467	-1222	15375	754	16129	3164	19293	49.99
13	5018	852	578	6448	656	3285	155	5671	5749	-1470	-1252	15041	917	15958	3161	19119	49.92
14	4873	431	577	5881	651	3255	145	5723	5515	-1433	-1242	14205	811	15016	3078	18094	49.94
15	4882	778	577	6237	710	3245	116	5897	6084	-1466	-1333	15059	671	15730	3143	18873	49.81
16	4587	1595	574	6756	733	3112	80	5915	6149	-1449	-1322	15508	597	16105	3153	19258	49.84
17	4420	1738	575	6733	830	3244	59	5435	5589	-1396	-1267	15188	578	15766	3159	18925	49.88
18	4420	626	586	5632	866	3287	24	5051	4920	-1380	-1264	13465	720	14185	3031	17216	49.98
19	4513	326	587	5426	894	3255	5	4961	5175	-1301	-1300	13455	548	14003	2864	16867	49.98
20	4501	786	590	5877	657	3246	0	4980	5389	-1264	-1228	13941	674	14615	2817	17432	49.93
21	4437	1434	597	6468	671	3076	0	5066	5364	-1191	-1209	14370	468	14838	2740	17578	49.92
22	4443	1598	597	6638	597	3076	0	4979	5148	-1102	-1186	14273	251	14524	2640	17164	49.91
23	4293	1872	593	6758	625	3040	0	4960	5422	-1060	-1101	14744	173	14917	2629	17546	49.81
24	4278	1971	535	6784	686	3041	0	5170	5544	-1119	-1166	14889	146	15035	2637	17672	49.93
MUs	105.27	23.74	14.15	143.17	19.54	82.29	1.06	126.64	130.00	-28.41	-25.92	350.24	12.52	362.76	63.94	426.70	49.94

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss
Without Applying Load Diversity Factor

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 22/May/2014

Position as on 6.30 Hrs of 23/May/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koradi Unit 5	200	10/04/2014	19.21		Continued.	Coal conservation	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
Tata Trombay 8	250	09/01/2014	22.54		Continued.	Emergency H/T,Fire at turbine track.	
CPP WPCL U-1	135	30/01/2014	12.45		Continued.	turbine vibration	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP Adani U1	660	30/04/2014	12.11	23/05/2014	10.41	BTL.	
Parli Unit 4	210	12/05/2014	00.20	23/05/2014	21.10	Coal Shortage.	
Koyna ST-IV 1	250	21/05/2014	12.30	22/05/2014	12.00	Stator Problem.	
Chandrapur Unit 2	210	21/05/2014	23.04	22/05/2014	04.14	Vaccum Pressure Low.	
Khaparkheda Unit 3	210	22/05/2014	00.33	22/05/2014	09.10	Flame Failure	
Koyna ST - IV 3	250	22/05/2014	03.10	22/05/2014	12.15	While converting on condensor mode from Gen.	
Bhusawal Unit 3	210	22/05/2014	13.07	22/05/2014	18.14	AC Supply Failed	
CPP VIPL U-2	300	22/05/2014	19.43	23/05/2014	00.29	Heavy Steam Leakage	
Khaparkheda Unit 4	210	22/05/2014	21.58	23/05/2014	15.11	Flame Failure	
Koyna Unit 12	80	22/05/2014	22.55	23/05/2014	04.30	P.M.Work	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/May/2014

Position as on 6.30 Hrs of 23/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 500KV			Outage Type HAND TRIPPED		
765KV Akola II - Tiroda - I	19/05/2014	17.44	23/05/2014	07.36	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur - Mapusa - II	21/05/2014	18.07	22/05/2014	09.12	Over Voltage.
Kolhapur - Mapusa - I	22/05/2014	16.42	23/05/2014	09.06	Over Voltage
Parli-Parli (PGCIL)-II	23/05/2014	10.39	23/05/2014	20.13	Relay Testing work
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola-II - Taptithanda	22/05/2014	11.46	22/05/2014	11.47	Newly Charged
400/220KV 315MVA ICT- I @ Kharghar	23/05/2014	07.16	23/05/2014	16.34	Premansoon Maintenance Work.
Bablsr-Padgha Ckt I	23/05/2014	09.40	23/05/2014	17.58	For replacement Of String.
400/220 KV 315MVA ICT- II @ Kolhapur	23/05/2014	10.31	23/05/2014	15.28	To Attend Oil Leakage.
Aurangabad - Taptithanda	23/05/2014	13.05	23/05/2014	18.04	Red Hot(Taken on TBC)
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus - I at Kolhapur.	19/05/2014	15.15	22/05/2014	16.20	Insulator cleaning work.
Kalwa - Borivali	23/05/2014	05.34	23/05/2014	07.30	Hot Spot.
Parly - Girwali - II	23/05/2014	08.55	23/05/2014	17.41	Repl.of Bolted type Jumpers to LA
220/100KV 100 MVA ICT- I @ Taloja	23/05/2014	09.05	23/05/2014	17.26	Diagnostic and Replay Testing work.
Vasai - Bhoisor (PGCIL)	23/05/2014	09.08	23/05/2014	14.09	Bus Section Outage at Vasai
Jambul - Pal	23/05/2014	09.10	23/05/2014	18.30	Maintenance Work.
220/100KV 200MVA ICT-II at Kalwa	23/05/2014	09.40	23/05/2014	17.08	Premansoon Maintenance Work and RM Work.
Pedambe - Adlab	23/05/2014	10.25	23/05/2014	18.35	Cold Washing Of Insulator String.
Bus section @ Jindal	23/05/2014	11.00	23/05/2014	19.30	A.M.Work.
Karad - Vita I	23/05/2014	16.03	23/05/2014	19.13	Hot Spot work.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Karad - Kolhapur - II	21/05/2014	17.08	22/05/2014	08.43	Over Voltage.
Karad - Kolhapur - I	22/05/2014	16.27	23/05/2014	07.08	Over Voltage
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Chikhali - Jalna - I	28/04/2014	01.14		Continued.	To Control O/L of 220KV Paras-ChiKhli
Chikhali - Jalna - II	28/04/2014	01.14		Continued.	To control O/L of 220KV Paras-Chikhli
Bhusawal-Chalishaon-I	22/05/2014	13.07	22/05/2014	14.06	Hand Tripped at Bhuswal end
Bhusawal - Chalishaon - II	22/05/2014	13.07	22/05/2014	14.06	Hand Tripped at Bhuswal end
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi - Bhusawal	22/05/2014	13.06	22/05/2014	18.46	Distance protection,Fire Below Span Loc.No.818-826
Khadka - Deepnagar - I	22/05/2014	13.07	22/05/2014	13.45	DT Received at Khadka
400/220 KV 315 MVA ICT @ Khadka	22/05/2014	13.07	22/05/2014	13.47	Backup O/C Prot.operated
400/132 KV 200 MVA ICT - II @ Khadka	22/05/2014	13.07	22/05/2014	13.53	Backup O/C Prot.operated
400/132KV,200MVA ICT-I at Khadka.	22/05/2014	13.07	22/05/2014	13.51	Backup O/C Prot.operated
Khadka - Deepnagar - II	22/05/2014	13.07	22/05/2014	13.46	DT Received at Khadka

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 22/May/2014

Position as on 6.30 Hrs of 23/May/2014

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Main Bus - II @ Khadka	22/05/2014	13.07	22/05/2014	13.46	Tripped due to O/V operated
Main Bus - I @ Khadka	22/05/2014	13.07	22/05/2014	13.45	Tripped due to O/V operated
Babaleshwar - Bhusawal	22/05/2014	13.07	22/05/2014	19.00	DT Received at Bhusawal end
Bhusawal- Aurangabad	22/05/2014	13.07	23/05/2014	12.26	DT received at Bhusawal end,RFC at 14.30Hrs.
Khadka - Akola	22/05/2014	13.07	22/05/2014	18.36	Distance Protection,Fire Below Span of Loc.No.818-826
Voltage Level : 220KV			Outage Type TRIPPED		
Deepnagar-Khadka I	22/05/2014	13.07	22/05/2014	13.39	O/C Prot.operated at Deepnagar
Deepnagar-Khadka-II	22/05/2014	13.07	22/05/2014	13.40	O/C Prot.operated at Deepnagar
Dhule - Malegaon	22/05/2014	13.13	22/05/2014	13.49	O/C Prot.operated
Babaleshwar - Chalisgaon	22/05/2014	13.13	22/05/2014	19.14	Distance protection
Khadka - Railway TSS	22/05/2014	13.13	22/05/2014	13.45	Tripped on O/L due to Main Bus Dead at Khadka
Dhule-Chalisgaon	22/05/2014	13.13	22/05/2014	13.35	O/C Prot.operated
Voltage Level : 132KV			Outage Type TRIPPED		
Chikhali - Khamgaon	22/05/2014	13.07	22/05/2014	13.21	Tripped on O/L due to Main Bus Dead at Khadka
Malkapur - Khamgaon	22/05/2014	13.13	22/05/2014	14.03	Tripped on O/L due to Main Bus Dead at Khadka
Malkapur-Bodwad	22/05/2014	13.13	22/05/2014	14.07	Tripped on O/L due to Main Bus Dead at Khadka

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 23/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	140
	620	140
Bhusawal		
Unit 2	210	0
Unit 3	210	120
Unit 4	500	300
Unit 5	500	270
	1420	690
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	157
Unit 6	250	187
Unit 7	250	185
	1130	529
Chandrapur		
Unit 1	210	140
Unit 2	210	155
Unit 3	210	0
Unit 4	210	200
Unit 5	500	0
Unit 6	500	400
Unit 7	500	400
	2340	1295
Paras		
Unit 3	250	210
Unit 4	250	250
	500	460
Khaparkheda		
Unit 1	210	140
Unit 2	210	140
Unit 3	210	140
Unit 4	210	0
Unit 5	500	325
	1340	745
Nasik		
Unit 3	210	190
Unit 4	210	190
Unit 5	210	190
	630	570
Uran		
All Units	852	600
	852	600
PENCH (MS)		
Pench (MS)	53	
	53	
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	12
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	4
BHIRA T.R.	80	40
RNGR+BHTSA	20	12
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	18
GHATGHAR	250	0
	611	207
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	1200	823
WARDHA	405	115
Adani	2640	1223
Other CPPs	300	915
	4545	3076
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	120
Trombay 6	500	60
Trombay 7A	120	500
Trombay 7B	60	500
Trombay 8	250	0
TATA Hydro	444	447
	2024	1627
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5865
	3455	5865