



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

State Load Dispatch Center, Airoli

Daily system Report

for

21/May/2014

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 21/May/2014 WEDNESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	110.142	2551.637	1) Gujrat	6.061	171.505
2) Hydro	28.824	297.242	2) Madhya Pradesh	21.003	441.132
3) Gas	13.518	267.085	3) Chattisgarh	9.470	182.590
Total MSGENCO	152.484	3115.964	4) Maharashtra Net	93.446	1819.016
B) 1) JSW JAIGAD	20.323	419.102	(Incl. 765kV Solapur-Raichur)	-3.487	-5.507
2) WPCL	2.780	57.625	5) Goa	-6.974	-146.097
3) ADANI	28.143	842.056	6) TAPS 1&2 Injection	7.396	155.529
4) Other CPP / IPP	25.043	463.071	7) RGPPL Injection	0.000	0.000
5) Wind Generation	13.393	246.233	8) Pench (Excess)	-0.251	-4.035
6) PENCH (MS)	0.251	4.035	# Total Cent. Sector	130.151	2619.640
7) SOLAR	0.843	20.447	F) Other Exchanges		
C) 1) TPCL Thermal	20.115	386.998	1) With TPCL (Excess)	-26.034	-546.509
2) TPCL Hydro	6.482	83.734	G) Bilateral Power *		
TOTAL TPCL	26.597	470.732	1) MSEDCL Bilateral	25.678	561.925
3) REL Thermal	12.476	256.459	Include PX	3.361	88.412
D) STATE			2) MUMBAI Bilateral	29.500	577.386
1) Thermal (A1+C1+C3)	142.733	3195.094	Include PX	3.582	63.233
2) Hydro (A2+B6+C2)	35.557	385.011	3) MUMBAI Schedule	29.500	578.465
3) Gas (A3)	13.518	267.085	H) ENERGY CATERED (MUs)		
4) Wind (B5)	13.393	246.233	1) MSEDCL	347.377	7241.664
5) CPP/IPP (B1+B2+B3+B4)	76.289	1781.854	2) TPCL	41.318	811.607
6) SOLAR (B7)	0.843	20.447	3) REL	23.789	462.076
TOTAL STATE	282.333	5895.724	TOTAL STATE	412.484	8515.347

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 5 Hrs
MSGENCO Thermal	4482	4529	4641
MSGENCO Hydro	1964	1356	1066
MSGENCO Gas	546	518	595
MSGENCO Total Generation	6992	6403	6302
Central Sector Receipt	6425	5891	4907
WIND	180	482	729
CPP / IPP	3197	3884	2398
SOLAR	118	76	0
Exchange with Mumbai	-1337	-1327	-785
MSEDCL DEMAND MET	15581	15409	13551
Load Shedding	718	885	224
MSEDCL DEMAND	16299	16294	13775
TPCL GENERATION	1260	1389	751
R-INFRA GENERATION	517	517	521
TPCL+R-INFRA DEMAND	3114	3233	2057
STATE DEMAND MET	18695	18642	15608
STATE DEMAND	19413	19527	15832
Frequency (Hz)	49.91	49.95	49.85

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.21 Hz at 18:24 Hrs	49.64 Hz at 22:01 Hrs	49.93	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 21/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	3.19	72.34	175	0	165
Unit 7	4.02	72.74	190	135	175
Total	7.22	145.08			340
Bhusawal					
Unit 2	2.89	66.73	140	0	130
Unit 3	2.97	52.64	140	110	120
Unit 4	8.48	175.16	500	280	305
Unit 5	7.58	160.66	400	275	305
Total	21.92	455.20			860
Parli					
Unit 3	0.00	0.00	0	0	0
Unit 4	0.00	23.40	0	0	0
Unit 5	3.79	79.22	169	137	155
Unit 6	5.20	97.51	250	198	200
Unit 7	5.16	72.21	250	198	200
Total	14.14	272.34			555
Chandrapur					
Unit 1	3.10	68.88	134	123	140
Unit 2	0.07	65.77	37	0	0
Unit 3	1.99	24.40	136	0	60
Unit 4	3.50	91.80	171	122	140
Unit 5	4.80	162.44	440	0	425
Unit 6	7.88	190.52	370	239	350
Unit 7	9.10	177.91	395	350	400
Total	30.44	781.73			1515
Paras					
Unit 3	4.60	83.02	214	166	210
Unit 4	1.26	93.92	210	0	0
Total	5.87	176.94			210
Khaparkheda					
Unit 1	3.34	74.80	150	130	190
Unit 2	3.32	70.10	145	130	185
Unit 3	3.39	68.66	152	135	210
Unit 4	3.41	73.70	152	136	210
Unit 5	8.15	178.59	500	280	500
Total	21.61	465.84			1295
Nasik					
Unit 3	4.22	90.92	185	165	190
Unit 4	4.39	83.76	195	163	190
Unit 5	0.33	79.83	61	0	0
Total	8.95	254.52			380
Uran					
All Units	13.52	267.08	598	496	600
Total	13.52	267.08			600
PENCH (MS)					
Pench (MS)	0.25	4.04	27	0	0
Total	0.25	4.04			0
Koyna					
Stage 1-2	6.62	72.08	500	75	600
Stage 4	13.29	92.77	1076	0	250
Stage 3	4.45	37.38	320	0	320
Kovna 12&4 Total	19.91	164.85			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Total	24.36	202.23			1170
Hydro					
KDPH	0.29	5.93	13	12	18
VTRNA	1.46	25.06	61	60	61
TILLARI	0.81	9.77	64	0	60
BHTGR/VEER	0.04	1.12	2	1	2
BHIRA T.R.	0.48	5.20	40	0	40
RNGR+BHTSA	0.27	4.58	12	11	15
BHANDARDRA	0.00	9.59	0	0	0
ELDARY	0.00	2.96	0	0	0
SMLHY PTN	0.49	12.77	27	17	34
GHATGHAR	0.62	18.03	250	0	0
Total	4.46	95.01			230
Wind					
MalharPeth	0.29	3.83			
Vankuswadi	0.58	9.16			
ATIT	0.06	0.95			
Kale	0.19	2.43			
Satara	4.38	82.14			
Shirala	0.24	4.34			
K Mahankal	0.04	0.56			
Supa	0.15	2.41			
Vita	1.17	19.64			
Dondaicha	4.38	86.65			
Sakri	0.57	11.31			
Nandurbar	0.41	8.13			
Khandke	0.38	4.72			
Khaparale	0.56	9.95			
Total	13.39	246.23			
CPP					
JSW JAIGAD	20.32	419.10	910	764	825
WARDHA	2.78	57.62	121	110	120
Adani	28.14	842.06	1810	0	1246
Other CPPs	25.04	463.07			915
Total	76.29	1781.85			3106
SOLAR					
Total	0.84	20.45			
Total	0.84	20.45			
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.33	216.06	495	407	450
Trombay 6	4.55	81.77	328	152	500
Trombay 7A	2.68	56.30	123	75	120
Trombay 7B	1.55	32.87	69	53	60
Trombay 8	0.00	0.00	0	0	0
TATA Hydro	6.48	83.73	471	0	447
Total	26.60	470.73			1577
REL					
1&2	12.48	256.46	523	517	500
Total	12.48	256.46			500
Cent Sect					
Share					5886
Total					5886
MS PG CL	Thermal	110.14	2551.64		5155
	Thml+Gas	123.66	2818.72		5755
	Hydro	28.82	297.24		1400
	Total	152.48	3115.96		7155
State Total		282.33	5895.72		18224

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 21/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	4445	1958	571	6974	719	1878	0	5116	5356	-1111	-893	14047	129	14176	2597	16773	49.84
2	4456	1833	567	6856	720	2029	0	5038	5216	-1011	-751	14070	182	14252	2347	16599	49.88
3	4517	1740	574	6831	728	2040	0	4996	5313	-945	-753	14159	210	14369	2203	16572	49.88
4	4591	1198	574	6363	747	2290	0	5002	5151	-933	-748	13803	209	14012	2109	16121	49.84
5	4641	1066	595	6302	729	2398	0	5004	4907	-933	-785	13551	224	13775	2057	15832	49.85
6	4677	933	592	6202	555	2449	0	5087	5355	-1043	-663	13898	419	14317	2063	16380	49.95
7	4762	905	598	6265	389	2643	2	5012	5157	-933	-686	13797	903	14700	2030	16730	49.97
8	4765	1013	590	6368	294	2763	23	4957	5187	-893	-787	13871	940	14811	2138	16949	49.96
9	4694	1260	586	6540	272	2824	43	5134	5505	-1020	-952	14259	876	15135	2431	17566	49.94
10	4658	1811	585	7054	188	3040	90	5720	5946	-1314	-1181	15164	643	15807	2826	18633	49.87
11	4482	1964	546	6992	180	3197	118	5910	6425	-1401	-1337	15581	718	16299	3114	19413	49.91
12	4709	1974	510	7193	167	3231	115	5667	5883	-1434	-1387	15202	846	16048	3225	19273	49.92
13	4979	1329	497	6805	232	3460	107	5610	5701	-1482	-1330	14975	976	15951	3229	19180	49.93
14	4876	1002	496	6374	304	3520	105	5593	5760	-1441	-1249	14814	878	15692	3175	18867	49.93
15	4834	1360	496	6690	326	3686	82	5737	5860	-1455	-1311	15333	749	16082	3230	19312	49.96
16	4529	1356	518	6403	482	3884	76	5732	5891	-1446	-1327	15409	885	16294	3233	19527	49.95
17	4479	1237	536	6252	536	3890	53	5416	5470	-1394	-1316	14885	956	15841	3195	19036	49.98
18	4610	573	556	5739	625	3834	24	5017	4927	-1381	-1307	13842	916	14758	3100	17858	50.07
19	4566	290	572	5428	898	3822	3	5032	4948	-1348	-1356	13753	542	14295	2915	17210	50.01
20	4472	493	586	5551	855	3884	0	5043	5157	-1371	-1269	14201	643	14844	2921	17765	49.97
21	4396	657	590	5643	897	3899	1	5200	5262	-1408	-1256	14473	453	14926	2849	17775	49.95
22	4373	629	593	5595	859	3917	0	5230	5161	-1277	-1188	14371	281	14652	2737	17389	50.00
23	4374	831	592	5797	758	3870	1	5178	5308	-1263	-1073	14681	184	14865	2695	17560	49.79
24	4257	1412	598	6267	933	3841	0	5207	5305	-1262	-1129	15238	157	15395	2688	18083	49.91
MUs	110.14	28.82	13.52	152.48	13.39	76.29	0.84	126.64	130.15	-29.50	-26.03	347.38	13.92	361.30	65.11	426.40	49.93

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 21/May/2014

Position as on 6.30 Hrs of 22/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 JSW (J) U2	300	28/02/2014	17.52		Continued.	No Schedule.	
CPP WPCL U-4	135	03/04/2014	00.01		Continued.	No Schedule	
CPP IPL U-2	270	29/04/2014	09:34		Continued.	PA Fan problem	
CPP Adani U1	660	30/04/2014	12.11		Continued.	BTL.	
Parli Unit 4	210	12/05/2014	00.20		Continued.	Coal Shortage.	
Chandrapur Unit 2	210	18/05/2014	5.45	21/05/2014	21.21	furance pressure high	
Nasik Unit 5	210	19/05/2014	00.40	21/05/2014	17.45	BLR T/L.	
Chandrapur Unit 3	210	19/05/2014	07.45	21/05/2014	01.44	PA Fan Problem.	
CPP Adani U-2	660	20/05/2014	19.57	21/05/2014	05.34	Tripping of 400KV Warora Tirora Ckt 1 & 2.	
CPP Adani U-3	660	20/05/2014	19.57	21/05/2014	12.00	Tripping of 400KV Warora Tirora Ckt 1 & 2.	
CPP Adani U-4	660	20/05/2014	19.57	21/05/2014	00.53	Tripping of 400KV Warora Tirora Ckt 1 & 2.	
Koyna ST-IV 2	250	20/05/2014	20.07	21/05/2014	04.58	Sequence execution problem.	
Paras Unit 4	250	20/05/2014	23.26	21/05/2014	16.28	Air heater problem.	
Koyna ST-IV 1	250	21/05/2014	12.30		Continued.	Stator Problem.	
Chandrapur Unit 5	500	21/05/2014	12.46		Continued.	BLR T/L.	
Koradi Unit 6	210	21/05/2014	20:15		Continued.	ID Fan Problem	
Bhusawal Unit 2	210	21/05/2014	22.34		Continued.	Coal Shortage.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 21/May/2014

Position as on 6.30 Hrs of 22/May/2014

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Koyna ST-IV 2	250	21/05/2014	22.45	21/05/2014	23.30	B.T.V.Problem.	
Chandrapur Unit 2	210	21/05/2014	23.04	22/05/2014	04.14	Vaccum Pressure Low.	
Koyna ST - IV 3	250	22/05/2014	03.10		Continued.	While converting on condensor mode from Gen.	

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 21/May/2014

Position as on 6.30 Hrs of 22/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		Continued.	Hand Tripped.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - I	18/05/2014	18.55	21/05/2014	20.00	over voltage
Kolhapur - Mapusa - I	20/05/2014	17.00	21/05/2014	09.06	Over Voltage.
Kolhapur - Mapusa - II	21/05/2014	18.07		Continued.	Over Voltage.
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400KV GT-5Main Bay (410) at Deepnagar	13/05/2014	09.05		Continued.	Dismantling old 400KV main CB and erection and commissioning of new CB.
Deepnagar-Aurangabad-I	20/05/2014	09.44		Continued.	For Lilo of Tapti Tanda S/S.
400/220 KV 500 MVA ICT - II at Khaparkheda	21/05/2014	09.41	21/05/2014	18.16	Testing work.
400/220KV,315 MVA ICT-I at Kolhapur.	21/05/2014	11.16	21/05/2014	19.03	Cleaning of insulator.
Waluj-Tapitatanda	21/05/2014	22.27	21/05/2014	23.09	First time charged.
Deepnagar-Tapitatanda	21/05/2014	23.00	21/05/2014	23.26	First time charged.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Main Bus - I at Kolhapur.	19/05/2014	15.15		Continued.	Insulator cleaning work.
Khaperkheda - Ambazari - II	21/05/2014	06.26	21/05/2014	13.50	Testing Work.
Karad-Mudsingi-IV	21/05/2014	09.36	21/05/2014	17.48	Cold line washing work.
Talangde-Five star MIDC	21/05/2014	14.35	21/05/2014	15.55	Panel testing work.
Khaparkheda - Suryalaxmi	21/05/2014	14.50	21/05/2014	17.15	Hot Spot and Testing Work.
Main Bus I at Shivajinagar	21/05/2014	18.00	21/05/2014	20.45	Jumpers connection Work for extending M.B.I.
Karad-Kadegaon	21/05/2014	18.53	21/05/2014	23.30	To remove sparking W/T & Insu.string of B-Ph.
Voltage Level : 400KV			Outage Type FORCED OUTAGE		
Karad-Jaigad I	21/05/2014	09.14	21/05/2014	14.46	Red Hot.
Voltage Level : 220KV			Outage Type FORCED OUTAGE		
Nivali-Pawas	21/05/2014	12.28	21/05/2014	13.45	Hot Spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - II - Akola - I	18/04/2014	16.00		Continued.	Over Voltage.
Karad - Kolhapur - I	20/05/2014	16.02	21/05/2014	07.35	Over Voltage.
Karad - Kolhapur - II	21/05/2014	17.08		Continued.	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
Voltage Level : 400KV			Outage Type TRIPPED		
Karad-Jaigad I	20/05/2014	15.55	21/05/2014	14.46	Dist.Prot.
Warora-Tiroda-I	20/05/2014	19.57	21/05/2014	08.58	B-Ph LA Burst at Warora.
Voltage Level : 220KV			Outage Type TRIPPED		
Pedambe - Mahad	20/05/2014	19.35	21/05/2014	18.35	Trip Ckt faulty.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 22/May/2014

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	0
Unit 6	210	0
Unit 7	210	154
	620	154
Bhusawal		
Unit 2	210	0
Unit 3	210	140
Unit 4	500	300
Unit 5	500	300
	1420	740
Parli		
Unit 3	210	0
Unit 4	210	0
Unit 5	210	158
Unit 6	250	200
Unit 7	250	180
	1130	538
Chandrapur		
Unit 1	210	140
Unit 2	210	100
Unit 3	210	0
Unit 4	210	160
Unit 5	500	0
Unit 6	500	380
Unit 7	500	325
	2340	1105
Paras		
Unit 3	250	200
Unit 4	250	230
	500	430
Khaparkheda		
Unit 1	210	190
Unit 2	210	185
Unit 3	210	0
Unit 4	210	210
Unit 5	500	500
	1340	1085
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	18
VTRNA	60	61

Generating unit	Derated Capacity (MW)	OLC (MW)
TILLARI	60	60
BHTGR/VEER	21	2
BHIRA T.R.	80	40
RNGR+BHTSA	20	10
BHANDARDRA	45	0
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	0
	611	201
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	824
WARDHA	405	115
Adani	2640	1846
Other CPPs	300	915
	4545	3700
SOLAR		
Total	0	
	0	
Tata		
Trombay 4	150	0
Trombay 5	500	450
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	0
TATA Hydro	444	447
	2024	1577
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	5855
	3455	5855