

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 09/May/2015 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	121.456	1055.018	1) Gujrat	-3.841	-37.951
2) Hydro	17.960	175.696	2) Madhya Pradesh	10.737	110.231
3) Gas	6.662	57.438	3) Chattisgarh	6.110	50.300
Total MSPGCL	146.078	1288.152	4) Maharashtra Net	101.261	922.583
B) 1) APML	56.850	489.450	5) Goa	-7.276	-67.288
2) JSWEL	22.081	214.431	6) TAPS 1&2 Injection	2.995	29.926
3) VIPL	12.559	105.799	7) RGPPL Injection	0.000	0.000
4) RPL(AMT)	5.500	51.000	8) Pench (MS)	0.022	0.423
5) WPCL	9.247	75.389	9) Pench (Excess)	-0.022	-0.423
6) Other IPP	6.175	54.833	Total	109.964	1007.378
C) 1) TPCL Thermal	17.590	150.125	a) Mumbai Schedule	27.135	237.946
2) TPCL Hydro	4.306	33.498	b) Mumbai Drawl	26.403	246.388
3) TPCL Gas	2.581	25.295	c) MSEDCL Bilateral *	30.619	274.585
4) R-INFRA Thermal	12.397	108.133	Include PX	0.067	7.431
D) STATE			d) Mumbai Bilateral *	27.135	237.946
1) Thermal	263.855	2304.178	Include PX	2.508	16.517
(A1+C1+C4+(B1-B6))			Include Standby	0.000	0.000
2) Hydro	22.266	209.194	H) ENERGY CATERED (MUs)		
3) Gas	9.243	82.733	1) MSEDCL	358.155	3166.659
4) Wind	14.827	115.260	2) Mumbai Discoms	63.278	563.439
6) SOLAR	1.277	10.932	TOTAL STATE	421.433	3730.098
TOTAL STATE	311.468	2722.297			

* 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 16 Hrs	C. Evening Peak at 21 Hrs	D. Night Minimum at 23 Hrs
MSPGCL Thermal	5318	5312	4703	4644
MSPGCL Hydro	1323	1795	508	235
MSPGCL Gas	276	272	275	275
MSPGCL Total Generation	6917	7379	5486	5154
Central Sector Receipt	5272	5018	4095	4106
WIND	235	277	1204	1083
CPP / IPP	4752	4911	4605	4644
SOLAR	192	102	0	0
Exchange with Mumbai	-1377	-1485	-1160	-1221
MSEDCL DEMAND MET	15991	16202	14230	13766
Load Shedding	46	37	37	37
MSEDCL DEMAND	16037	16239	14267	13803
TPCL GENERATION	1156	1109	1085	937
R-INFRA GENERATION	510	512	519	519
MUMBAI DEMAND	3043	3106	2764	2677
STATE DEMAND MET	19034	19308	16994	16443
STATE DEMAND	19080	19345	17031	16480
Frequency (Hz)	49.91	49.94	49.94	49.84

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18.02 Hrs	49.62 Hz at 18.56 Hrs	49.94	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 09/May/2015

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	3.55	30.93	160	133
Unit 6	0.00	0.00	0	0
Unit 7	3.65	33.37	165	120
Total	7.21	64.30		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	11.26	95.84	505	365
Unit 5	10.96	91.59	500	370
Total	22.22	187.44		
Parli				
Unit 3	0.00	9.15	0	0
Unit 4	0.00	0.00	0	0
Unit 5	2.08	22.45	149	0
Unit 6	5.43	48.12	245	192
Unit 7	5.14	47.86	231	184
Total	12.65	127.58		
Chandrapur				
Unit 1	0.00	0.00	0	0
Unit 2	3.50	17.24	151	138
Unit 3	4.52	40.80	205	168
Unit 4	4.32	37.82	188	160
Unit 5	0.00	1.63	0	0
Unit 6	9.73	53.20	425	365
Unit 7	9.55	85.81	436	287
Total	31.63	236.49		
Paras				
Unit 3	4.89	46.47	240	118
Unit 4	5.26	46.83	245	194
Total	10.16	93.30		
Khaparkheda				
Unit 1	4.30	37.07	190	165
Unit 2	3.70	32.86	170	115
Unit 3	0.00	32.40	0	0
Unit 4	4.18	37.82	180	167
Unit 5	11.53	99.68	500	419
Total	23.71	239.82		
Nasik				
Unit 3	4.76	41.36	210	175
Unit 4	4.58	40.41	198	176
Unit 5	4.55	24.31	197	173
Total	13.89	106.09		
Uran				
All Units	6.66	57.44	287	270
Total	6.66	57.44		
PENCH (MS)				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Pench (MS)	0.02	0.42	20	0
Total	0.02	0.42		
Koyna				
Stage 1-2	4.81	45.18	455	40
Stage 4	7.24	67.22	1006	0
Stage 3	2.85	24.72	296	0
Total	14.90	137.11		
Hydro				
KDPH	0.36	4.91	15	14
VTRNA	0.91	8.15	61	0
TILLARI	0.36	3.34	62	0
BHTGR/VEER	0.06	0.59	3	2
BHIRA T.R.	0.14	1.49	40	0
RNGR+BHTSA	0.21	1.79	11	0
BHANDARDRA	0.00	2.74	0	0
ELDARY	0.24	0.93	11	10
SMLHY_PTN	0.66	6.82	35	24
GHATGHAR	0.13	7.82	125	0
Total	3.06	38.58		
Wind				
Total	14.83	115.26	0	0
Total	14.83	115.26		
CPP				
APML(Mus)	56.85	489.45	0	0
JSWEL(Mus)	22.08	214.43	0	0
VIPL(Mus)	12.56	105.80	0	0
RPLAMT(Mus)	5.50	51.00	0	0
WPCL(Mus)	9.25	75.39	0	0
Other(Mus)	6.18	54.83	0	0
Total	112.41	990.90		
SOLAR				
Total	1.28	10.93	0	0
Total	1.28	10.93		
Tata				
Trombay 5	11.62	96.34	496	462
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.43	14.76	60	59
Trombay 7B	1.15	10.53	49	47
Trombay 8	5.97	53.78	250	246
TATA Hydro	4.31	33.50	399	6
Total	24.48	208.92		
R-INFRA				
1-2	12.40	108.13	521	509
Total	12.40	108.13		

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Thermal	121.46	1055.02
MSPGCL Thml+Gas	128.12	1112.46

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
MSPGCL Hydro	17.96	175.70
MSPGCL Total	146.08	1288.15

Summary		
Particulars	Daily (Mus)	Monthly (Mus)
Koyna 1,2 & 4 Total	12.05	112.39
State Total	311.47	2722.30

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 09/May/2015

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	5009	1281	283	6573	416	4435	0	4045	4475	-882	15017	60	15077	2642	17719	49.91
2	5049	907	283	6239	586	4597	0	4206	4113	-720	14815	46	14861	2451	17312	49.91
3	5015	497	285	5797	724	4731	0	4069	4283	-845	14690	46	14736	2284	17020	49.89
4	5059	354	285	5698	742	4745	0	4284	4317	-824	14678	46	14724	2168	16892	49.98
5	5102	248	287	5637	675	4668	0	4424	4378	-746	14612	46	14658	2097	16755	49.97
6	5146	189	287	5622	550	4683	0	4560	4758	-752	14861	46	14907	2111	17018	50.00
7	5198	311	287	5796	472	4748	12	4696	4655	-694	14989	46	15035	2056	17091	50.03
8	5245	259	284	5788	424	4833	41	4779	4350	-728	14708	46	14754	2094	16848	50.03
9	5255	346	278	5879	408	4710	82	4876	5180	-899	15360	46	15406	2282	17688	49.94
10	5262	1035	272	6569	393	4785	125	4834	4855	-1083	15644	46	15690	2640	18330	49.93
11	5248	1173	270	6691	307	4832	167	5001	5264	-1253	16008	46	16054	2893	18947	49.89
12	5318	1323	276	6917	235	4752	192	5067	5272	-1377	15991	46	16037	3043	19080	49.91
13	5197	1277	275	6749	85	4830	185	5202	5361	-1425	15785	46	15831	3100	18931	49.95
14	5207	1320	277	6804	88	4772	156	5168	5401	-1413	15808	37	15845	3064	18909	49.90
15	5306	1560	277	7143	180	4795	131	5067	5400	-1449	16200	37	16237	3100	19337	49.85
16	5312	1795	272	7379	277	4911	102	5005	5018	-1485	16202	37	16239	3106	19345	49.94
17	5359	1281	270	6910	468	4886	56	4870	4584	-1388	15516	37	15553	2999	18552	50.01
18	5146	470	270	5886	809	4618	23	4632	3952	-1352	13936	37	13973	2857	16830	50.06
19	4708	440	271	5419	1148	4201	5	4178	3875	-1238	13410	37	13447	2725	16172	49.94
20	4678	657	276	5611	1279	4264	0	4006	4154	-1164	14144	37	14181	2792	16973	49.95
21	4703	508	275	5486	1204	4605	0	4122	4095	-1160	14230	37	14267	2764	17031	49.94
22	4656	351	274	5281	909	4731	0	4124	3989	-1088	13822	37	13859	2692	16551	49.91
23	4644	235	275	5154	1083	4644	0	3996	4106	-1221	13766	37	13803	2677	16480	49.84
24	4634	143	273	5050	1365	4636	0	3915	4129	-1217	13963	37	14000	2640	16640	49.95
MUs	121.46	17.96	6.66	146.08	14.83	112.41	1.28	109.13	109.96	-26.40	358.15	1.02	359.17	63.28	422.45	49.94

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 09/May/2015

Position as on 6.30 Hrs of 10/May/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 1	160	12/10/2014	22:39		Continued.	Refuelling work	
MSPGCL	Koradi Unit 6	210	20/03/2015	01.02		Continued.	Renovation and Modification 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	
RGPPL	Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
IPP	Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem	
MSPGCL	Chandrapur Unit 1	210	28/08/2014	07:15		Continued.	Economic Shutdown.	
MSPGCL	Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
IPP	RPL(AMT) U-1	270	21/03/2015	23.28		Continued.	Turbine vibration high.	
MSPGCL	Chandrapur Unit-8	500	29/03/2015	18.26		Continued.	Withdrawn	
MSPGCL	Koradi Unit-8	660	30/03/2015	20.22		Continued.	BLR Tripped.	
MSPGCL	Uran Unit 6	108	01/04/2015	16.35		Continued.	Gas shortage	
IPP	RPL(AMT) U-4	270	03/04/2015	11.42		Continued.	Boiler feed Pump problem.	
IPP	RPL(AMT) U-5	270	03/04/2015	14.22		Continued.	turbine Shaft Vibration high.	
IPP	RPL(AMT) U-3	270	05/04/2015	22.01		Continued.	Governor AVR Problem.	
TPC-G	Trombay 6	500	06/04/2015	16.27		Continued.	Economic shut down.	
MSPGCL	Parli Unit 4	210	13/04/2015	11.27		Continued.	Turbine vibration high.	
MSPGCL	Uran Unit 7	108	17/04/2015	00.07		Continued.	Gas turbine problem	
MSPGCL	Bhusawal Unit 3	210	20/04/2015	00.00		Continued.	no buyer as per msdcl requirment	
MSPGCL	Chandrapur Unit 5	500	01/05/2015	04.30	10/05/2015	17.26	Air heater problem	
MSPGCL	Parli Unit 3	210	03/05/2015	20.51		Continued.	Sparking on Slipring.	
IPP	Adani U-2	660	06/05/2015	04.23		Continued.	FRS MOV Bonnet leakage.	
MSPGCL	Parli Unit 5	210	06/05/2015	20.25	09/05/2015	07.53	Boiler Tube Leakage	
MSPGCL	Khaparkhedha Unit 3	210	08/05/2015	17.41		Continued.	Flame Failure	
MSPGCL	Khaparkhedha Unit 5	500	10/05/2015	02.27		Continued.	Boiler Tube Leakage	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/May/2015

Statement-VII

Position as on 6.30 Hrs of 10/May/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
765 KV LINE Outages/Trippings							
Wardha PG -Aurangabad PG III	IntraState	21/04/2015	00.07		Continued.	HT	To Control Line Loading of Waluj-A'Bad PG
Wardha PG - Aurangabad PG IV	IntraState	21/04/2015	10.33		Continued.	HT	Line Rectification work
400 KV LINE Outages/Trippings							
Wardha (PG)-Warora II	InterState	04/05/2015	20.47		Continued.	EO	CB under lockout at Wardha PG end.
Kolhapur Mapusa I	InterState	08/05/2015	17.49	09/05/2015	07.04	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	08/05/2015	18.19	09/05/2015	07.00	HT	Over Voltage
Dhule Khandwa li	InterState	09/05/2015	11.42	09/05/2015	14.18	PO	For Attending Hot Spot, Work @ Khandwa End.
Kolhapur Mapusa I	InterState	09/05/2015	17.34	10/05/2015	09.18	HT	Over Voltage
Dhule Khandwa I	InterState	09/05/2015	22.49	10/05/2015	19.09	T	Distance Protection Operated Z-I R Ph to Earth.
Kolhapur Mapusa I	InterState	10/05/2015	16.40		Continued.	HT	Over Voltage
Dhule Sar'Sarovar I	InterState	10/05/2015	17.55		Continued.	HT	Over Voltage
Akola II - RPL(Rattaniindia) Ckt I	IntraState	07/04/2015	00.27		Continued.	T	Over Current Protection
Babhaleshwar-Taptitanda ckt-I	IntraState	01/05/2015	12.16		Continued.	HT	Over Voltage
Padghe - Kalwa- I	IntraState	08/05/2015	14.55	09/05/2015	00.21	T	P Ph WT Burst @ Kalwa OF.
karad -kolhapur-II	IntraState	08/05/2015	18.04	09/05/2015	07.08	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	08/05/2015	18.26	09/05/2015	06.34	HT	Over Voltage
Padghe - Kalwa-II	IntraState	08/05/2015	23.07	09/05/2015	01.22	T	B Ph Bus Isolator Problem.
Akola II - Akola I Ckt-II	IntraState	09/05/2015	15.11	09/05/2015	16.59	PO	Jumpering Tightenning Work.
Jejuri- Koynastage-IV	IntraState	09/05/2015	16.48	10/05/2015	11.23	T	Distance Protection
Bhusawal-Aurangabad	IntraState	09/05/2015	18.02	10/05/2015	11.00	HT	Over Voltage
Jaigad-Karad Ckt-I	IntraState	09/05/2015	18.12	10/05/2015	10.39	HT	Over Voltage
karad -kolhapur-II	IntraState	09/05/2015	22.01	10/05/2015	09.08	HT	Over Voltage
Padghe - Kalwa- I	IntraState	10/05/2015	09.45		Continued.	PO	29B Isolator Maintenance Work.
karad -kolhapur-II	IntraState	10/05/2015	16.24		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	10/05/2015	17.45		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220 Kv 315 MVA ICT -I @New Koyna	IntraState	09/05/2015	10.35	09/05/2015	13.29	PO	Shifted on TBC for Testing of Trip Ckt Unhelthy.
220 KV LINE Outages/Trippings							
Borivali - Tarapur	InterState	09/05/2015	09.35	09/05/2015	12.15	PO	Shifted on TBC for C B Diagnostic Test.
Boisar(MS) - Boisar (PG) II	InterState	09/05/2015	13.25	09/05/2015	15.17	PO	For Hot Line Maint.Work.
Talandage - Chikodi	InterState	09/05/2015	16.50	09/05/2015	19.29	T	A/R Successful.
Talandge Chikodi	InterState	09/05/2015	22.44	10/05/2015	01.27	T	A/R Successful from Talandge End.
Talandge Chikodi	InterState	10/05/2015	11.53	10/05/2015	18.13	PO	Conductor Replacement Work.
Sahara-Urse	IntraState	03/03/2015	11.06		Continued.	PO	Tower erection work (90Days)
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 deenergising 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 deenergising the line bet.86 to 107.
Eklahara-(Ocr)-Navasari I	IntraState	05/05/2015	23.09		Continued.	HT	To control Load on Bus section at Nasik GCR
Khadka-Bhadli-2	IntraState	06/05/2015	13.28		Continued.	HT	Compressor problem at Bhadli end

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 09/May/2015

Statement-VII

Position as on 6.30 Hrs of 10/May/2015

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Eklahara(Gcr)(Nasik)- Bableshtar-I	IntraState	08/05/2015	22.58	09/05/2015	01.40	T	Bus Bar Protection Operated
Babhaleshtar-Nagar-I	IntraState	08/05/2015	22.58	09/05/2015	22.52	T	Y Ph CT Burst @ Bblsr End.
Bableshtar- Ranjangaon	IntraState	08/05/2015	22.58	09/05/2015	09.16	T	Bus Bar Protection Operated
Chalisgaon -Babhaleshtar	IntraState	08/05/2015	23.00	09/05/2015	00.10	T	Backup Protection
Bableshtar -Bhenda	IntraState	08/05/2015	23.00	09/05/2015	00.14	T	Backup Protection
Eklahara(Gcr)(Nasik)- Bableshtar 2	IntraState	08/05/2015	23.32	09/05/2015	01.41	HT	Over Loading.
Talandge(400kv)- Sawantwadi(Insul	IntraState	09/05/2015	08.59	09/05/2015	18.01	PO	For Cleaning of Insulator String.
Theur-Jejuri	IntraState	09/05/2015	09.00	09/05/2015	13.11	PO	Half yearly maintenance work
Parvati - Hybrid Pass	IntraState	09/05/2015	09.15	09/05/2015	18.52	HT	To Control Urse Line Loading.
Hinjawadi I- Chinchwad	IntraState	09/05/2015	09.35	09/05/2015	20.16	T	To Control Urse Line Loading.
New Koyna - Niwali	IntraState	09/05/2015	10.45	09/05/2015	17.56	PO	Cold Washing of Isolator.
Nashik-Padgha	IntraState	09/05/2015	16.17	09/05/2015	17.11	T	Distance Protection
Talandge-Hamidwada	IntraState	09/05/2015	16.50	09/05/2015	20.08	T	Distance Protection
Talandge-Mudshingi Ckt-I	IntraState	09/05/2015	18.00	09/05/2015	18.52	T	Distance Protection
Pophali - Kdph	IntraState	09/05/2015	20.05	09/05/2015	22.50	T	Distance Protection
Pohali-Nerle	IntraState	09/05/2015	20.25	09/05/2015	21.25	T	Distance Protection
New Koyna - Niwali	IntraState	09/05/2015	22.12	10/05/2015	00.29	HT	Heavy Sparking.
Telco- Chinchwad	IntraState	09/05/2015	22.32	09/05/2015	23.56	PO	For Repair Sleere
Talandge-Hamidwada	IntraState	09/05/2015	22.44	09/05/2015	22.46	T	Distance Protection
Talandge-Hamidwada	IntraState	10/05/2015	11.53	10/05/2015	17.31	PO	Line Maintenance work
Padghe - Nalasopara	IntraState	10/05/2015	14.35	10/05/2015	19.33	T	Wave Trap Jumper Opened.Restored from Boiser PG
Ghodbunder MSETCL Boisar line	IntraState	10/05/2015	14.42	10/05/2015	17.55	PO	Stringing of Conductor.
Wpcl-Warora 2	IntraState	10/05/2015	18.06	10/05/2015	18.36	T	Distance Protection Z-I R Ph E/F.
Talandge-Hamidwada	IntraState	10/05/2015	22.44	10/05/2015	22.49	T	Distance Protection
220 KV ICT Outages/Trippings							
220/100 Kv 200 MVA ICT III @Borivali	IntraState	21/09/2014	09.16		Continued.	T	Monkey Fault
220/132 Kv 200 Mva Vijai Ict 1 @Babhaleshtar	IntraState	08/05/2015	22.58	09/05/2015	01.38	T	Bus Bar Protection Operated
132 KV LINE Outages/Trippings							
Nanded - Umri II	IntraState	09/05/2015	21.37	09/05/2015	22.21	T	132 KV Bus Bar Protection Operated.
Nanded - Kandhar	IntraState	09/05/2015	21.37	09/05/2015	22.34	T	132 KV Bus Bar Protection Operated.
Waghala (Nanded2) - Tamsa	IntraState	09/05/2015	21.37	09/05/2015	22.00	T	132 KV Bus Bar Protection Operated.
Waghala (Nanded2) - Narsi	IntraState	09/05/2015	21.37	10/05/2015	10.54	T	132 KV Bus Bar Protection Operated.Y Ph CT Burst.
Waghala -Nanded-I(Jangamwadi)	IntraState	09/05/2015	21.37	09/05/2015	21.56	T	132 KV Bus Bar Protection Operated.
Waghala (Nanded2) - Umri 1	IntraState	09/05/2015	21.37	09/05/2015	21.59	T	132 KV Bus Bar Protection Operated.
Waghala(Nanded2) - Ardhapur	IntraState	09/05/2015	21.37	09/05/2015	22.25	T	132 KV Bus Bar Protection Operated.
Waghala (Nanded2) - Elichpur	IntraState	09/05/2015	21.37		Continued.	T	132 KV Bus Bar Protection Operated.
Waghala (Nanded2) - Narsi	IntraState	10/05/2015	11.41	10/05/2015	20.40	T	Y Ph CT Burst.

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