

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 13/May/2017 SATURDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	153.297	1987.152	1) Gujrat	-0.617	-36.514
2) Hydro	3.694	58.654	2) Madhya Pradesh	15.076	150.828
3) Gas	9.457	109.061	3) Chattisgarh	6.840	81.620
Total MSPGCL	166.448	2154.867	4) Maharashtra Net	125.092	1643.668
B) 1) APML	51.264	752.421	5) Goa (Amona)	-0.858	-10.538
2) JSWEL	16.239	273.822	Total	145.533	1829.064
3) VIPL	10.819	165.695	a) Mumbai Schedule	23.672	317.348
4) RPL(AMT)	14.006	195.312	b) Mumbai Drawl	32.944	413.137
5) WPCL	2.338	32.116	c) MSEDCL Bilateral *	44.341	533.697
6) PGPL	0.000	0.000	Include PX	8.049	130.400
7) Other IPP	6.811	68.022	d) Mumbai Bilateral *	23.672	317.348
C) 1) TPCL Thermal	13.422	192.785	Include PX	1.630	25.981
2) TPCL Hydro	2.017	44.044	Include Standby	0.000	0.000
3) TPCL Gas	4.460	58.494	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	9.860	128.593	1) MSEDCL	392.434	5235.732
D) STATE			2) Mumbai Discoms	62.703	837.050
1) Thermal	278.056	3795.918	TOTAL STATE	455.137	6072.782
(A1+C1+C4+(B1-B6))					
2) Hydro	5.711	102.698			
(A2+C2)					
3) Gas	13.917	167.555			
(A3+B6+C3)					
4) Wind	10.374	156.633			
6) SOLAR	1.546	20.917			
TOTAL STATE	309.604	4243.721			

* 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 20 Hrs	D. Night Minimum at 1 Hrs
MSPGCL Thermal	6470	6317	6334	6011
MSPGCL Hydro	152	228	193	94
MSPGCL Gas	298	405	427	297
MSPGCL Total Generation	6920	6950	6954	6402
Central Sector Receipt	7393	7605	5649	5077
WIND	54	367	777	365
CPP / IPP Thermal	4129	3993	4123	4541
CPP / IPP Gas	0	0	0	0
SOLAR	219	130	0	0
Exchange with Mumbai	-1439	-1438	-1491	-1574
MSEDCL DEMAND MET	17276	17607	16012	14811
Load Shedding	0	0	0	0
MSEDCL DEMAND	17276	17607	16012	14811
TPCL GENERATION	1006	1070	883	714
R-INFRA GENERATION	416	505	389	389
MUMBAI DEMAND	2861	3013	2763	2677
STATE DEMAND MET	20137	20620	18775	17488
STATE DEMAND	20137	20620	18775	17488
Frequency (Hz)	49.89	49.96	49.94	49.91

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.16 Hz at 14.02 Hrs	49.75 Hz at 11.38 Hrs	49.96	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 13/May/2017

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 5	0.00	0.00	0	0
Unit 6	0.00	0.00	0	0
Unit 7	3.66	48.41	160	140
Unit 8	9.47	140.04	474	277
Unit 9	10.01	133.28	493	137
Unit 10	2.00	49.00	235	0
Total	25.14	370.73		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	3.96	44.51	165	165
Unit 4	9.44	119.02	500	360
Unit 5	9.39	120.02	500	355
Total	22.80	283.56		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.08	70.74	248	193
Unit 7	5.00	69.40	248	187
Unit 8	1.57	5.38	219	0
Total	11.65	145.53		
Chandrapur				
Unit 3	4.28	56.84	192	165
Unit 4	4.38	47.81	193	172
Unit 5	9.59	130.64	440	360
Unit 6	9.66	88.54	445	356
Unit 7	0.00	0.00	0	0
Unit 8	9.70	121.17	470	360
Unit 9	10.03	127.41	486	333
Total	47.63	572.40		
Paras				
Unit 3	5.04	62.13	256	190
Unit 4	5.03	64.47	250	191
Total	10.08	126.60		
Khaparkheda				
Unit 1	3.68	51.80	175	135
Unit 2	3.89	51.16	170	160
Unit 3	2.68	53.79	170	0
Unit 4	3.98	48.20	182	160
Unit 5	9.76	116.28	500	360
Total	24.00	321.23		
Nasik				
Unit 3	4.06	56.27	175	165
Unit 4	3.96	56.12	170	155
Unit 5	3.99	54.71	172	161
Total	12.00	167.11		
Uran				
All Units	9.46	109.06	441	265
Total	9.46	109.06		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
PENCH (MS)				
Pench (MS)	0.54	2.84	25	17
Total	0.54	2.84		
Koyna				
Stage 1-2	0.93	12.76	45	35
Stage 4	0.00	0.71	0	0
Stage 3	0.00	3.93	0	0
Total	0.93	17.40		
Hydro				
KDPH	0.60	7.40	25	25
VTRNA	0.57	7.71	61	0
TILLARI	0.00	0.64	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.12	2.12	77	0
RNGR+BHTSA	0.28	3.04	12	11
BHANDARDRA	0.44	5.80	39	10
ELDARY	0.00	1.80	0	0
SMLHY_PTN	0.33	3.66	21	11
GHATGHAR	0.42	9.08	125	0
Total	2.76	41.26		
Wind				
Total	10.37	156.63	0	0
Total	10.37	156.63		
CPP				
APML(Mus)	51.26	752.42	0	0
JSWEL(Mus)	16.24	273.82	0	0
VIPL(Mus)	10.82	165.70	0	0
RPLAMT(Mus)	14.01	195.31	0	0
WPCL(Mus)	2.34	32.12	0	0
Other(Mus)	6.81	68.02	0	0
Total	101.48	1487.39		
SOLAR				
Total	1.55	20.92	0	0
Total	1.55	20.92		
Tata				
Trombay 5	8.36	123.86	481	299
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.86	37.66	121	116
Trombay 7B	1.60	20.83	67	66
Trombay 8	5.06	68.92	246	201
TATA Hydro	2.02	44.04	225	4
Total	19.90	295.32		
R-INFRA				
DTPS U-1&2	9.86	128.59	507	388
Total	9.86	128.59		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	153.30	1987.15	MSPGCL Total	166.45	2154.87
			MSPGCL Thml+Gas	162.75	2096.21	Koyna 1,2 & 4 Total	0.93	13.47
			MSPGCL Hydro	3.69	58.65	State Total	309.60	4243.72

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/May/2017

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			THM	GAS										
1	6011	94	297	6402	365	4541	0	0	5285	5077	-1574	14811	0	14811	2677	17488	49.91
2	5872	94	292	6258	298	4446	0	0	5474	5695	-1364	15333	0	15333	2505	17838	49.87
3	6281	98	329	6708	429	4416	0	0	5609	6009	-1264	16298	0	16298	2347	18645	49.96
4	6630	103	398	7131	500	4537	0	0	5566	5206	-1147	16227	0	16227	2231	18458	49.96
5	6694	103	434	7231	581	4520	0	0	5488	5282	-1088	16526	0	16526	2163	18689	49.93
6	6597	117	435	7149	550	4379	0	0	5906	5843	-1079	16842	0	16842	2167	19009	49.96
7	6770	127	435	7332	331	4317	0	7	6065	5995	-1026	16956	0	16956	2113	19069	49.99
8	6793	122	436	7351	183	4386	0	43	6323	5952	-1075	16840	0	16840	2167	19007	50.00
9	6513	185	441	7139	76	4306	0	97	6729	6410	-1151	16877	0	16877	2294	19171	49.99
10	6372	212	429	7013	86	4233	0	154	6589	6547	-1416	16617	0	16617	2616	19233	49.97
11	6295	241	424	6960	72	4190	0	187	6634	6719	-1538	16590	0	16590	2770	19360	49.95
12	6470	152	298	6920	54	4129	0	219	7334	7393	-1439	17276	0	17276	2861	20137	49.89
13	6690	98	265	7053	115	4108	0	219	7604	7265	-1353	17407	0	17407	2900	20307	49.95
14	6425	93	325	6843	244	4010	0	203	7526	7620	-1307	17613	0	17613	2831	20444	49.99
15	6336	175	373	6884	365	4039	0	175	7604	7535	-1337	17661	0	17661	2896	20557	49.95
16	6317	228	405	6950	367	3993	0	130	7513	7605	-1438	17607	0	17607	3013	20620	49.96
17	6314	223	434	6971	427	3984	0	84	6979	7261	-1574	17153	0	17153	2968	20121	49.99
18	6374	263	422	7059	793	3966	0	26	6002	5836	-1528	16152	0	16152	2854	19006	49.98
19	6177	193	425	6795	811	4003	0	2	5476	4849	-1579	14881	0	14881	2718	17599	49.98
20	6334	193	427	6954	777	4123	0	0	5287	5649	-1491	16012	0	16012	2763	18775	49.94
21	6482	165	438	7085	689	4186	0	0	5370	4854	-1543	15271	0	15271	2746	18017	49.99
22	6201	163	429	6793	635	4200	0	0	4703	5022	-1474	15176	0	15176	2681	17857	49.93
23	6180	149	439	6768	892	4232	0	0	4856	4841	-1512	15221	0	15221	2676	17897	49.94
24	6169	103	427	6699	734	4232	0	0	5248	5068	-1647	15086	0	15086	2746	17832	49.94
MUs	153.30	3.69	9.46	166.45	10.37	101.48	0.00	1.55	147.17	145.53	-32.94	392.43	0.00	392.43	62.70	455.14	49.96

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 13/May/2017

Position as on 6.30 Hrs of 14/May/2017

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	
MSPGCL	Chandrapur Unit 7	500	25/01/2017	19.32		Continued.	Turbine Problem, continued under COH	
FORCED OUTAGE								
RGPL	Dabhol 1B	230	28/05/2013	22:02		Continued.	Gas Shortage.	
RGPL	Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
RGPL	Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
MSPGCL	Koradi Unit 6	210	09/07/2015	00.00		Continued.	EE R&M LE Work	
IPP	SWPGL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
IPP	SWPGL U-2	135	29/02/2016	21.46		Continued.	No PPA	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
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)	
MSPGCL	Uran Unit 8	108	14/08/2016	07.56		Continued.	Maintenance work	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	ID Fan problem, Converted to Zero Schedule By MSEDCL from 00.00hrs/22-9-16. Shutdown taken on 18.10.2016 at 00:00Hrs for Turbine inspection and maintenance work	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
IPP	RPL(AMT) U-5	270	15/04/2017	08.59		Continued.	Coal Shortage	
IPP	RPL(AMT) U-4	270	15/04/2017	12.08		Continued.	Coal Shortage	
MSPGCL	Koyna Unit 5	80	08/05/2017	08.20	14/05/2017	14.35	installation & commissioning of numerical relay.	
CPP	SWPGL U-4	135	09/05/2017	05.10	14/05/2017	22.36	ESP PROBLEM.	
MSPGCL	Uran Unit 6	108	09/05/2017	17.23	13/05/2017	00.25	Due to damper discrepency	
IPP	JSW (J) U2	300	11/05/2017	05.35		Continued.	No Schedule.	
MSPGCL	Koradi Unit 10	660	12/05/2017	13.17	13/05/2017	11.43	CHP Bunkering Problem.	
MSPGCL	Parli Unit 8	250	12/05/2017	20.10	13/05/2017	09.21	FD Fan Vibration High.	
MSPGCL	Uran Unit 6	108	13/05/2017	00.52	13/05/2017	01.32	Damper Discrepency.	
MSPGCL	Khaparkheda Unit 3	210	13/05/2017	02.08	13/05/2017	08.57	Furnace Pressure High	
MSPGCL	Parli Unit 8	250	13/05/2017	18.01	14/05/2017	01.04	M.S.Temp Low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 13/May/2017

Statement-VII

Position as on 6.30 Hrs of 14/May/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
500 KV LINE Outages/Trippings							
HVDC Pole-I	IntraState	13/05/2017	01.37	13/05/2017	06.45	PO	Cold Washing Insulator String.
400 KV LINE Outages/Trippings							
Karad Solapur (PG)	InterState	03/05/2017	11:49		Continued.	PO	Line converted as 220 kv Solapur (PG)- Jeur from LOC 403
Dhule Sar'Sarovar I	InterState	12/05/2017	14.27	13/05/2017	09.24	PO	PMU Work @ SSNL End,RFG @ 17.22 Hrs.
Dhule Sar'Sarovar II	InterState	13/05/2017	09.58	13/05/2017	12.12	PO	By WRDC outage
Dabhol Nagothane I	InterState	13/05/2017	17.09	14/05/2017	20.56	T	Distance Protection
Dhule Sar'Sarovar II	InterState	13/05/2017	22.07		Continued.	HT	Over Voltage
Ektuni-Bableshtar ckt II	IntraState	01/05/2017	22.55		Continued.	HT	to control line load.
Jejuri- Koynastage-IV	IntraState	12/05/2017	18.38	13/05/2017	11.06	T	D/P,B Ph. to E Z-2.
Padghe - Nagothane - I	IntraState	12/05/2017	22.48	13/05/2017	15.54	T	Distance Protection
Bhusawal-Aurangabad	IntraState	13/05/2017	00.08	13/05/2017	05.57	HT	Over Voltage
Chandrapur-II - Nanded ckt I	IntraState	13/05/2017	07.56	13/05/2017	14.21	PO	Routine Maintenance Work
Chandrapur II- Warora ckt II	IntraState	13/05/2017	08.58	13/05/2017	13.55	PO	Routine Maintenance Work
Padghe - Kalwa-II	IntraState	13/05/2017	10.48	13/05/2017	14.44	EO	Emergency outage to attend INS. Decapping on local no 1136
Lonikand 1 - Talegaon(Pgcil)	IntraState	13/05/2017	17.07	13/05/2017	18.00	PO	Taken on TBC for isolater hot spot attending work.
Khadka-Aurangabad (Waluj)	IntraState	13/05/2017	20.17	14/05/2017	06.18	HT	Over Voltage
Padghe - Kalwa-II	IntraState	13/05/2017	9.13	13/05/2017	10.00	T	Distance Protection
Bhusawal-Aurangabad	IntraState	14/05/2017	18.18		Continued.	HT	Over Voltage
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT-II@Taptitanda	IntraState	13/05/2017	15.59	14/05/2017	12.30	T	Tripped on Buchholz.
400/220/33kv 315MVA ICT-I @Lonikand	IntraState	13/05/2017	19.32	13/05/2017	19.56	T	Tripped on NDR.
400/220/33 Kv 500 MVA ICT-II @Lonikand 2	IntraState	13/05/2017	19.33	13/05/2017	20.08	T	Distance Protection
220 KV LINE Outages/Trippings							
Mudshingi - Chikodi	InterState	11/05/2017	06.01	13/05/2017	00.01	HT	No Schedule.
Talandage - Chikodi	InterState	11/05/2017	06.06	13/05/2017	00.02	HT	No Schedule.
Tillari Amona	InterState	12/05/2017	16.40	13/05/2017	02.20	T	R Ph. CC Burst @ Tillari.
Mudshingi - Chikodi	InterState	13/05/2017	06.00	13/05/2017	18.00	HT	No schedule
Talandage - Chikodi	InterState	13/05/2017	06.05	13/05/2017	18.13	HT	No schedule
Mudshingi - Chikodi	InterState	14/05/2017	06.00	14/05/2017	18.05	HT	No Schedule
Talandage - Chikodi	InterState	14/05/2017	06.05	14/05/2017	18.07	HT	No Schedule
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.
Waluj - Jalna 1	IntraState	08/05/2017	08.35		Continued.	PO	make lilo arrangement for newly const.
Kharghar-PGPL	IntraState	12/05/2017	19.45	13/05/2017	7.47	T	Distance Protection
Pigasus-Hinjewadi-II	IntraState	13/05/2017	08.06	13/05/2017	17.03	PO	Outage.
Koradi-Ambazari-II	IntraState	13/05/2017	09.45	13/05/2017	12.59	PO	Attending Hot Spot
Karad -Mudshingi Ckt- IV	IntraState	13/05/2017	09.50	13/05/2017	18.16	PO	Outage.
Adlabs - Pedambe	IntraState	13/05/2017	10.25	13/05/2017	18.10	PO	Line Maintenance work

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 13/May/2017

Statement-VII

Position as on 6.30 Hrs of 14/May/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Karad(400kv) - Wathar	IntraState	13/05/2017	10.35	13/05/2017	18.20	PO	Outage.
GIS Bhandup - Borivali	IntraState	13/05/2017	11.09	13/05/2017	20.31	T	Distance Protection
Lamboti - Solapur li(Bale) Ckt- I	IntraState	13/05/2017	14.02	13/05/2017	14.35	T	Distance Protection
Kharghar-Borivali ckt II	IntraState	13/05/2017	15.53	13/05/2017	20.10	HT	H/T for outage work
Pophali - Kdph	IntraState	13/05/2017	15.55	13/05/2017	22.10	T	Distance Protection
New Koyna - Loteparshuram	IntraState	13/05/2017	16.35	13/05/2017	21.07	HT	Broken conductor indication hence H/T.
Loteparshuram- Dasturi Line	IntraState	13/05/2017	17.03	13/05/2017	17.30	T	Distance Protection
Phursungi-Parvati	IntraState	13/05/2017	20.12	13/05/2017	20.59	T	Distance Protection
Gadchandur - Virur-li	IntraState	13/05/2017	23.44	14/05/2017	05.12	T	Over Current Protection
Gadchandur - Grace	IntraState	13/05/2017	23.44	14/05/2017	05.23	T	Earth Conductor Broken.
Gadchandur - Virur-I	IntraState	13/05/2017	23.44	14/05/2017	05.14	T	Earth Conductor Broken.
Bhira Dharavi 7	IntraState	14/05/2017	06.00	14/05/2017	19.55	PO	Routine Maintenance Work
Trombay - Kalwa	IntraState	14/05/2017	09.04	14/05/2017	14.13	PO	Routine Maintenance Work
Niwali - Pawas Line	IntraState	14/05/2017	09.25	14/05/2017	19.15	PO	Routine Maintenance Work
Umred-Kanhan 2	IntraState	14/05/2017	13.27	14/05/2017	14.23	T	Distance Protection
Phursungi-Parvati	IntraState	14/05/2017	14.50	14/05/2017	16.27	EO	Removing broken poilet string on M/C Tower
Jejuri-Phursungi 1	IntraState	14/05/2017	14.52	14/05/2017	16.32	HT	outage on parvati-phursungi due to M/C Tower
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)
220/100 Kv 200 MVA ICT-IV@Kalwa	IntraState	13/05/2017	06.11	13/05/2017	17.15	PO	Routine Maintenance Work
220/132 Kv 100 Mva Emco Ict 2 @Dondaicha	IntraState	13/05/2017	08.47	13/05/2017	11.52	PO	Overhauling of CTR Make OLTC of ICT-II.
220/132 Kv 200 Mva Cgl Ict 1 @Raymond (Nasik 2)	IntraState	13/05/2017	09.50	13/05/2017	14.32	PO	Annual Maintenance Work
132 KV LINE Outages/Trippings							
Elichpur - Hingoli	IntraState	13/05/2017	09.32	13/05/2017	09.50	T	Distance Protection
Paras-Malkapur	IntraState	13/05/2017	13.04	13/05/2017	17.50	T	Distance Protection
Warwat Bakal-Khamgaon	IntraState	13/05/2017	13.04	13/05/2017	13.20	T	Backup Protection
Akola-Paras Ckt-li	IntraState	13/05/2017	13.04	13/05/2017	13.37	T	Backup Protection
Gorakshan Tap On Akola-Paras Ckt-I	IntraState	13/05/2017	13.04	13/05/2017	13.32	T	Backup Protection
Deepnagar- Nimbhora	IntraState	14/05/2017	13.54	14/05/2017	14.06	T	Distance Protection
Elichpur - Hingoli	IntraState	14/05/2017	16.14	14/05/2017	16.28	T	Distance Protection
Yawal - Chopda	IntraState	14/05/2017	16.17	14/05/2017	17.22	T	Distance Protection

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