

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 05/Feb/2018 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	115.761	592.682	1) Gujrat	0.067	-0.908
2) Hydro	7.379	52.229	2) Madhya Pradesh	19.164	86.208
3) Gas	9.292	45.557	3) Chattisgarh	8.530	41.220
Total MSPGCL	132.432	690.468	4) Maharashtra Net	105.909	545.403
B) 1) APML	55.081	246.296	5) Goa (Amona)	-0.638	-3.212
2) JSWEL	17.902	87.422	Total	133.032	668.711
3) VIPL	6.257	30.135	a) Mumbai Schedule	20.039	109.168
4) RPL(AMT)	22.504	112.433	b) Mumbai Drawl	24.131	119.103
5) WPCL	4.343	20.441	c) MSEDCL Bilateral *	22.788	116.526
6) PGPL	0.000	0.000	Include PX	4.321	25.132
7) Other IPP	12.349	61.798	d) Mumbai Bilateral *	20.039	109.168
C) 1) TPCL Thermal	14.494	73.476	Include PX	8.160	48.959
2) TPCL Hydro	3.074	10.950	Include Standby	0.000	0.000
3) TPCL Gas	3.442	20.669	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	7.778	28.645	1) MSEDCL	371.785	1842.272
D) STATE			2) Mumbai Discoms	52.919	252.844
1) Thermal	256.469	1253.328	TOTAL STATE	424.704	2095.116
(A1+C1+C4+(B1-B6))					
2) Hydro	10.453	63.179			
(A2+C2)					
3) Gas	12.734	66.226			
(A3+B6+C3)					
4) Wind	8.562	25.500			
6) SOLAR	3.454	18.171			
TOTAL STATE	291.672	1426.404			

* 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 3 Hrs
MSPGCL Thermal	5379	5408	4914	3840
MSPGCL Hydro	565	317	443	133
MSPGCL Gas	405	384	384	381
MSPGCL Total Generation	6349	6109	5741	4354
Central Sector Receipt	6565	6317	5244	4583
WIND	356	379	341	380
CPP / IPP Thermal	5485	5473	4868	4335
CPP / IPP Gas	0	0	0	0
SOLAR	496	489	0	0
Exchange with Mumbai	-1324	-1244	-1292	-613
MSEDCL DEMAND MET	17927	17523	14902	13039
Load Shedding	0	0	0	0
MSEDCL DEMAND	17927	17523	14902	13039
TPCL GENERATION	1090	1064	915	686
R-INFRA GENERATION	296	398	377	197
MUMBAI DEMAND	2710	2706	2584	1496
STATE DEMAND MET	20637	20229	17486	14535
STATE DEMAND	20637	20229	17486	14535
Frequency (Hz)	49.99	49.97	50.01	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 13:01 Hrs	49.81 Hz at 14:22 Hrs	49.99	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 05/Feb/2018

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	0.00	0.00	0	0
Unit 7	0.00	0.00	0	0
Unit 8	11.03	54.92	530	360
Unit 9	0.00	0.00	0	0
Unit 10	9.28	52.02	460	321
Total	20.31	106.94		
Bhusawal				
Unit 3	4.20	11.56	195	160
Unit 4	10.05	50.31	495	350
Unit 5	10.12	50.57	500	350
Total	24.38	112.44		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	5.32	26.44	250	188
Unit 7	0.00	0.00	0	0
Unit 8	4.60	24.89	251	0
Total	9.92	51.32		
Chandrapur				
Unit 3	0.00	0.00	0	0
Unit 4	0.00	0.00	0	0
Unit 5	8.99	37.89	470	0
Unit 6	0.00	0.00	0	0
Unit 7	9.99	49.93	456	360
Unit 8	10.44	29.88	490	360
Unit 9	10.60	53.79	488	357
Total	40.01	171.49		
Paras				
Unit 3	0.00	0.00	0	0
Unit 4	5.47	26.99	255	190
Total	5.47	26.99		
Khaparkheda				
Unit 1	3.75	17.47	165	140
Unit 2	0.00	7.54	0	0
Unit 3	0.00	0.00	0	0
Unit 4	3.69	18.46	160	150
Unit 5	0.00	39.04	0	0
Total	7.44	82.52		
Nasik				
Unit 3	4.22	20.91	194	160
Unit 4	4.01	20.06	178	158
Unit 5	0.00	0.00	0	0
Total	8.23	40.98		
Uran				
All Units	9.29	45.56	470	289
Total	9.29	45.56		
PGPL				
Unit 1	0.00	0.00	0	0
Unit 2	0.00	0.00	0	0
Total	0.00	0.00		
PENCH (MS)				
Pench (MS)	0.05	0.53	18	0

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Total	0.05	0.53		
Koyna				
Stage 1-2	1.76	12.36	270	40
Stage 4	0.47	10.18	183	0
Stage 3	0.59	5.38	154	0
Total	2.82	27.92		
Hydro				
KDPH	0.72	4.16	36	36
VTRNA	1.12	5.75	61	0
TILLARI	0.00	0.00	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.08	0.53	50	0
RNGR+BHTSA	0.38	1.83	16	15
BHANDARDRA	0.46	2.28	29	14
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.71	4.34	40	27
GHATGHAR	1.10	5.43	125	0
Total	4.56	24.31		
Wind				
Total	8.56	25.50	0	0
Total	8.56	25.50		
CPP				
APML(Mus)	55.08	246.30	0	0
JSWEL(Mus)	17.90	87.42	0	0
VIPL(Mus)	6.26	30.14	0	0
RPLAMT(Mus)	22.50	112.43	0	0
WPCL(Mus)	4.34	20.44	0	0
Other(Mus)	12.35	61.80	0	0
Total	118.44	558.52		
SOLAR				
Total	3.45	18.17	0	0
Total	3.45	18.17		
Tata				
Trombay 5	9.29	47.31	489	302
Trombay 6	0.00	0.00	0	0
Trombay 7A	2.04	12.86	115	65
Trombay 7B	1.40	7.81	68	52
Trombay 8	5.20	26.17	239	198
TATA Hydro	3.07	10.95	276	0
Total	21.01	105.10		
R-INFRA				
DTPS U-1&2	7.78	28.64	502	196
Total	7.78	28.64		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	115.76	592.68	MSPGCL Total	132.43	690.47
			MSPGCL Thml+Gas	125.05	638.24	Koyna 1,2 & 4 Total	2.23	22.54
			MSPGCL Hydro	7.38	52.23	State Total	291.67	1426.40

State Load Despatch Center,Airoli (MSETCL)

Annexure-2

Hourly Load Data As on 05/Feb/2018

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	3846	238	368	4452	403	4187	0	0	4712	5093	-809	13326	0	13326	1692	15018	50.02
2	3837	133	399	4369	363	4331	0	0	4925	4748	-680	13131	0	13131	1561	14692	50.03
3	3840	133	381	4354	380	4335	0	0	4791	4583	-613	13039	0	13039	1496	14535	50.02
4	4015	138	402	4555	383	4276	0	0	4780	4613	-558	13269	0	13269	1441	14710	50.01
5	4146	158	403	4707	378	4147	0	0	5097	5068	-578	13722	0	13722	1458	15180	49.98
6	4583	183	433	5199	424	4469	0	0	5249	5269	-705	14656	0	14656	1585	16241	49.99
7	5188	228	470	5886	397	5240	0	0	5566	5791	-821	16493	0	16493	1792	18285	49.95
8	5280	495	451	6226	409	5352	0	43	5944	5965	-789	17206	0	17206	1975	19181	49.97
9	5290	534	468	6292	342	5536	0	193	5878	6074	-1004	17433	0	17433	2251	19684	49.98
10	5354	482	427	6263	333	5498	0	335	5985	6601	-1181	17849	0	17849	2513	20362	49.98
11	5322	696	415	6433	327	5494	0	429	6363	6263	-1406	17540	0	17540	2693	20233	49.97
12	5379	565	405	6349	356	5485	0	496	6679	6565	-1324	17927	0	17927	2710	20637	49.99
13	5408	317	384	6109	379	5473	0	489	6518	6317	-1244	17523	0	17523	2706	20229	49.97
14	5425	322	384	6131	358	5479	0	505	5933	6027	-1130	17370	0	17370	2609	19979	50.01
15	5329	373	374	6076	262	5498	0	419	5889	6115	-1085	17285	0	17285	2627	19912	49.92
16	5288	386	385	6059	208	5475	0	309	5901	6122	-1045	17128	0	17128	2604	19732	49.96
17	5336	339	385	6060	214	5458	0	185	5763	5844	-1061	16700	0	16700	2639	19339	49.94
18	4975	213	387	5575	170	5220	0	51	5473	5393	-1196	15213	0	15213	2594	17807	49.99
19	4806	361	387	5554	301	4695	0	0	5374	5572	-1318	14804	0	14804	2605	17409	49.98
20	4914	443	384	5741	341	4868	0	0	5253	5244	-1292	14902	0	14902	2584	17486	50.01
21	4715	157	289	5161	394	4822	0	0	5197	5104	-1246	14235	0	14235	2504	16739	50.02
22	4559	167	299	5025	397	4405	0	0	5203	5002	-1112	13717	0	13717	2237	15954	50.01
23	4482	157	301	4940	434	4379	0	0	5086	4916	-1026	13643	0	13643	2110	15753	49.99
24	4444	161	311	4916	609	4314	0	0	4922	4742	-908	13673	0	13673	1933	15606	49.96
MUs	115.76	7.38	9.29	132.43	8.56	118.44	0.00	3.45	132.48	133.03	-24.13	371.78	0.00	371.78	52.92	424.70	49.99

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 05/Feb/2018

Position as on 6.30 Hrs of 06/Feb/2018

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.	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	Tarapur 2	160	26/12/2017	10.51		Continued.	AOH	
RINFRA-G	REL Unit 2	250	06/01/2018	00.46	05/02/2018	11.03	Annual Overhaul	
MSPGCL	Koyana Unit 4	75	20/01/2018	08.50		Continued.	Thrust Bearing Temperature Problem, converted to COH w.e.f 25.01.2018	
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 5	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Parli Unit 4	210	01/04/2016	00.00		Continued.	Economic shutdown	
MSPGCL	Bhusawal Unit 2	210	14/06/2016	19.35		Continued.	De-commissioned on dt. 01.04.2017	
RGPL	Dabhol 2A	230	24/08/2016	13.31		Continued.	Change Over.	
MSPGCL	Koradi Unit 5	200	05/09/2016	00.21		Continued.	De-commissioned on dt.02.03.2017	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
IPP	Dhariwal	300	27/10/2017	17.31		Continued.	Drum level Not Maintained	
IPP	JSW (J) U2	300	01/12/2017	24.00		Continued.	no schedule.	
MSPGCL	Chandrapur Unit 3	210	03/12/2017	01.35		Continued.	Water Shortage	
MSPGCL	Chandrapur Unit 4	210	03/12/2017	14.17		Continued.	Water Shortage	
MSPGCL	Parli Unit 7	250	03/12/2017	23.35		Continued.	Poor Coal Receipt.	
CPP	IEPL Unit 1	270	30/12/2017	23.58		Continued.	No Schedule	
IPP	Adani U-2	660	02/01/2018	15.26		Continued.	HPBP Bonnet leakage	
MSPGCL	Chandrapur Unit 6	500	04/01/2018	13.30		Continued.	Water Shortage	
MSPGCL	Nasik Unit 5	210	06/01/2018	06.30		Continued.	PA Fan Problem (Not available due to Coal shortage from 07.01.2018, 14:00Hrs)	
MSPGCL	Koradi Unit 7	210	07/01/2018	17.00		Continued.	Poor Coal Receipt.	
MSPGCL	Uran Unit 8	108	17/01/2018	13.41		Continued.	vibration testing.	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 05/Feb/2018

Position as on 6.30 Hrs of 06/Feb/2018

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
IPP	RPL(AMT) U-2	270	19/01/2018	06.50		Continued.	Cooling Water Line Leakage (not available due to coal shortage w.e.f 28.01.2018)	
MSPGCL	Paras Unit 3	250	21/01/2018	06.45		Continued.	Boiler Tube Leakage	
IPP	VIPL U-1	300	30/01/2018	22.55		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 9	660	31/01/2018	14.31		Continued.	poor coal receipt.	
MSPGCL	Khaparkheda Unit 2	210	02/02/2018	23.57		Continued.	poor coal receipt.	
MSPGCL	Chandrapur Unit 5	500	04/02/2018	00.01	05/02/2018	01.41	Water Shortage	
MSPGCL	Parli Unit 8	250	04/02/2018	19.58	05/02/2018	02.55	Drum level low	
MSPGCL	Khaparkheda Unit 5	500	04/02/2018	20.54		Continued.	Boiler Tube Leakage	
MSPGCL	Uran Unit 5	108	05/02/2018	20.08		Continued.	Gas shortage	

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 05/Feb/2018

Statement-VII

Position as on 6.30 Hrs of 06/Feb/2018

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							
Koradi III - Akola II- ckt-II	IntraState	05/02/2018	13.33	05/02/2018	14.11	T	Line tipped during Maintenance of line reactor.
705 Tie Bay @ Tirora	IntraState	05/02/2018	15.04		Continued.	PO	Testing of reactor.
500 KV LINE Outages/Trippings							
Chandrapur - Padghe Hvdc Pole 1	IntraState	05/02/2018	06.59	05/02/2018	09.10	T	B Phase unbalance protection operated.
Chandrapur - Padghe Hvdc Pole 1	IntraState	05/02/2018	07.50	05/02/2018	09.10	EO	Isolation of base filter.
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	03/02/2018	18.10		Continued.	HT	Over Voltage
Karad-Jaigad - I	IntraState	04/02/2018	17.19	05/02/2018	10.58	HT	Over Voltage
karad -kolhapur-II	IntraState	04/02/2018	17.21	05/02/2018	11.02	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	04/02/2018	17.35	05/02/2018	06.55	HT	Over Voltage
Main Bus @ Taptitanda	IntraState	05/02/2018	10.01		Continued.	PO	Bus bar testing
karad -kolhapur-I	IntraState	05/02/2018	16.41		Continued.	HT	Over Voltage
Karad - Jaigad - II	IntraState	05/02/2018	16.43		Continued.	HT	Over Voltage
Khadka-Aurangabad (Waluj)	IntraState	05/02/2018	17.51		Continued.	HT	Over Voltage
Taptitanda Waluj	IntraState	05/02/2018	19.42		Continued.	PO	Testing of Bus-bar
400 KV ICT Outages/Trippings							
400/220 Kv 315 Mva Ict -2 @New Koyana	IntraState	05/02/2018	08.35	05/02/2018	19.48	PO	Painting work.
400/220kv 315 Mva ICT III @Karad	IntraState	05/02/2018	10.15	05/02/2018	17.42	PO	Testing Work
400/220/33kv, 500 Mva Ict-2 @Khaparkheda	IntraState	05/02/2018	11.05	05/02/2018	17.14	PO	Testing Work
400/220 KV 500MVA ICT II @ Nanded	IntraState	05/02/2018	12.12	05/02/2018	19.38	PO	PRV inspection.
220 KV LINE Outages/Trippings							
Talandage - Chikodi	InterState	01/06/2017	00.01		Continued.	PO	NO SCHEDULE.
Mudshingi - Chikodi	InterState	01/06/2017	00.06		Continued.	PO	NO SCHEDULE.
Chandrapur GCR - Warora - I	IntraState	05/04/2015	09.13		Continued.	PO	Bunching of conductor Loc no 86 Disconnecting of jumper 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 jumper at Loc no 86 & 107 and de-energising the line bet.86 to 107.
Mumewadi -Halkarni II	IntraState	17/11/2017	10.00		Continued.	PO	Tower erection work (temporarily line would be Mumewadi-Tillari)
Halkarni - Tillari II	IntraState	17/11/2017	12.25		Continued.	PO	Tower erection work. (temporarily line would be Mumewadi-Tillari)
Kharghar-Borivali ckt II	IntraState	07/12/2017	12.23		Continued.	T	Distance Protection
Kalwa - Taloja	IntraState	23/01/2018	10.28		Continued.	PO	Bunching Arrangement At LOC No 665 For Tower Height Rising Work At Railway Crossing.
Apta - Kalwa	IntraState	23/01/2018	10.59		Continued.	PO	Bunching Arrangement At LOC No 665 For Tower Height Rising Work At Railway Crossing.
Karad - Kadegaon	IntraState	04/02/2018	20.37	05/02/2018	04.10	T	Distance Protection
Talandage - Sawantwadi I	IntraState	05/02/2018	09.59	05/02/2018	15.24	PO	Main bus outage
Kandalgaon - Koyana	IntraState	05/02/2018	10.05	05/02/2018	18.20	PO	Line signature test.
Sawantwadi-Bidri	IntraState	05/02/2018	10.05	05/02/2018	15.35	PO	Main bus outage.
Valve-Jamde	IntraState	05/02/2018	10.40	05/02/2018	11.52	PO	Tan Delta Measurment of CTs

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 05/Feb/2018

Statement-VII

Position as on 6.30 Hrs of 06/Feb/2018

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Wardha-Dhamangaon	IntraState	05/02/2018	10.45		Continued.	PO	Earth wire stringing work between LOC 144 to 150.
Kathapur-Ranjangaon	IntraState	05/02/2018	11.56	05/02/2018	21.07	PO	Testing Work
Jamde-Dondaicha 1	IntraState	05/02/2018	12.02	05/02/2018	13.33	PO	Tan Delta Measurment of CTs
Jamde-Dondaicha 2	IntraState	05/02/2018	13.38	05/02/2018	14.55	PO	Tan Delta Measurment of CTs
Talandge(400)- Mudshingi 2 Line	IntraState	05/02/2018	14.30	05/02/2018	18.48	PO	Routine Maintenance Work
Padghe - Jambhul 1	IntraState	05/02/2018	15.16	05/02/2018	21.13	T	Y B Phase, 14KA, 10Km.
Taptitanda-Jalna ckt II	IntraState	05/02/2018	17.48	05/02/2018	18.24	T	Tripped while testing of 220KV Busbar.
Taptitanda- Jalna ckt- I	IntraState	05/02/2018	17.48	05/02/2018	18.24	T	Tripped while testing of 220KV Busbar.
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	24/11/2017	01.58		Continued.	T	Buchholz PRV Operated(Failed on Internal Fault)
220 / 110 / 33 250 MVA ICT 2 @ Borivli(T)	IntraState	31/01/2018	10.40		Continued.	T	220 kv bus 2 fault.
220/132 kV 200MVA ICT II @ Girwali	IntraState	05/02/2018	09.31	05/02/2018	11.57	PO	Tan Delta Measurment of ICT.
220/110kV 100MVA ICT-II@ Wathar	IntraState	05/02/2018	10.10	05/02/2018	17.20	PO	Routine Maintenance Work
220/100 Kv 200 Mva Vijai Ict 3 @Trombay	IntraState	05/02/2018	11.02	05/02/2018	18.30	PO	Routine Maintenance Work
220/132kV 100MVA ICT @ Parli-I	IntraState	05/02/2018	11.42		Continued.	PO	Attending Oil Leakage
220/132 Kv 100 Mva Cgl Ict 1 @Dondaicha	IntraState	05/02/2018	16.02	05/02/2018	20.18	PO	Tan delta of bushing winding HV and LV CT.
220/33 kV 100MVA @ Shivaji Nagar	IntraState	05/02/2018	16.05	05/02/2018	19.06	PO	Measurement of breaker timings.

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