

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

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	103.266	1388.353	1) Gujrat	1.217	28.165
2) Hydro	16.659	274.954	2) Madhya Pradesh	15.516	212.691
3) Gas	10.126	89.080	3) Chattisgarh	5.770	75.930
Total MSPGCL	130.051	1752.387	4) Maharashtra Net	90.994	1260.855
B) 1) APML	44.526	578.022	5) Goa (Amona)	-0.198	-0.946
2) JSWEL	20.548	216.779	Total	113.299	1576.695
3) VIPL	7.471	97.247	a) Mumbai Schedule	27.822	278.814
4) RPL(AMT)	31.658	363.234	b) Mumbai Drawl	28.449	331.401
5) WPCL	2.844	33.774	c) MSEDCL Bilateral *	15.308	222.433
6) PGPL	0.000	0.000	Include PX	1.179	35.161
7) Other IPP	2.321	37.260	d) Mumbai Bilateral *	27.822	277.764
C) 1) TPCL Thermal	17.404	216.890	Include PX	8.434	70.739
2) TPCL Hydro	5.963	66.631	Include Standby	0.000	1.050
3) TPCL Gas	2.915	29.809	H) ENERGY CATERED (MUs)		
4) R-INFRA Thermal	11.741	149.279	1) MSEDCL	329.892	4454.005
D) STATE			2) Mumbai Discoms	66.472	794.010
1) Thermal	241.779	3080.838	TOTAL STATE	396.364	5248.015
(A1+C1+C4+(B1-B6))					
2) Hydro	22.622	341.585			
(A2+C2)					
3) Gas	13.041	118.889			
(A3+B6+C3)					
4) Wind	3.897	104.078			
6) SOLAR	1.726	25.930			
TOTAL STATE	283.065	3671.320			

* 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 5 Hrs
MSPGCL Thermal	4462	4340	4388	4155
MSPGCL Hydro	661	957	1119	221
MSPGCL Gas	423	412	427	425
MSPGCL Total Generation	5546	5709	5934	4801
Central Sector Receipt	5158	5095	4564	3860
WIND	68	63	545	103
CPP / IPP Thermal	4534	4578	4577	4553
CPP / IPP Gas	0	0	0	0
SOLAR	223	186	0	0
Exchange with Mumbai	-1510	-1492	-1231	-721
MSEDCL DEMAND MET	14019	14139	14389	12596
Load Shedding	557	686	698	0
MSEDCL DEMAND	14576	14825	15087	12596
TPCL GENERATION	1271	1246	1329	791
R-INFRA GENERATION	495	493	489	397
MUMBAI DEMAND	3276	3231	3049	1909
STATE DEMAND MET	17295	17370	17438	14505
STATE DEMAND	17852	18056	18136	14505
Frequency (Hz)	49.95	49.99	50.00	49.92

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.15 Hz at 06.03 Hrs	49.76 Hz at 05.30 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/Sep/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	0.00	34.12	0	0
Unit 8	12.02	142.66	590	400
Unit 9	0.00	69.47	0	0
Unit 10	10.70	78.16	505	399
Total	22.71	324.41		
Bhusawal				
Unit 2	0.00	0.00	0	0
Unit 3	0.00	0.00	0	0
Unit 4	7.51	89.20	350	300
Unit 5	7.52	110.79	350	295
Total	15.03	199.99		
Parli				
Unit 4	0.00	0.00	0	0
Unit 5	0.00	0.00	0	0
Unit 6	4.35	58.30	188	174
Unit 7	4.30	57.36	191	173
Unit 8	0.00	0.00	0	0
Total	8.66	115.66		
Chandrapur				
Unit 3	0.00	44.56	0	0
Unit 4	0.00	0.00	0	0
Unit 5	8.35	81.54	355	335
Unit 6	0.00	66.75	0	0
Unit 7	7.99	55.65	386	317
Unit 8	10.69	138.47	470	417
Unit 9	10.88	57.12	500	366
Total	37.92	444.09		
Paras				
Unit 3	3.99	54.78	177	135
Unit 4	3.96	54.17	173	152
Total	7.95	108.95		
Khaparkheda				
Unit 1	0.00	24.14	0	0
Unit 2	3.16	39.82	165	90
Unit 3	0.00	36.38	0	0
Unit 4	0.00	0.00	0	0
Unit 5	0.00	7.68	0	0
Total	3.16	108.02		
Nasik				
Unit 3	0.00	0.00	0	0
Unit 4	3.90	54.86	170	155
Unit 5	3.93	32.38	170	151
Total	7.83	87.24		
Uran				
All Units	10.13	89.08	437	404
Total	10.13	89.08		
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)	0.00	0.65	0	0
Total	0.00	0.65		
Koyna				
Stage 1-2	5.65	72.70	570	45
Stage 4	6.78	137.16	750	0
Stage 3	3.13	46.44	240	80
Total	15.56	256.30		
Hydro				
KDPH	0.00	2.44	0	0
VTRNA	0.00	5.06	0	0
TILLARI	0.00	0.41	0	0
BHTGR/VEER	0.00	0.00	0	0
BHIRA T.R.	0.40	4.44	80	0
RNGR+BHTSA	0.29	2.23	16	0
BHANDARDRA	0.00	1.30	0	0
ELDARY	0.00	0.00	0	0
SMLHY_PTN	0.40	2.77	17	16
GHATGHAR	0.00	0.00	0	0
Total	1.10	18.65		
Wind				
Total	3.90	104.08	0	0
Total	3.90	104.08		
CPP				
APML(Mus)	44.53	578.02	0	0
JSWEL(Mus)	20.55	216.78	0	0
VIPL(Mus)	7.47	97.25	0	0
RPLAMT(Mus)	31.66	363.23	0	0
WPCL(Mus)	2.84	33.77	0	0
Other(Mus)	2.32	37.26	0	0
Total	109.37	1326.32		
SOLAR				
Total	1.73	25.93	0	0
Total	1.73	25.93		
Tata				
Trombay 5	11.61	143.08	488	461
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.68	16.53	81	52
Trombay 7B	1.23	13.28	56	43
Trombay 8	5.80	73.81	251	205
TATA Hydro	5.96	66.63	459	0
Total	26.28	313.33		
R-INFRA				
DTPS U-1&2	11.74	149.28	499	397
Total	11.74	149.28		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	103.27	1388.35	MSPGCL Total	130.05	1752.39
			MSPGCL Thml+Gas	113.39	1477.43	Koyna 1,2 & 4 Total	12.43	209.86
			MSPGCL Hydro	16.66	274.95	State Total	283.06	3671.32

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 13/Sep/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	4187	742	418	5347	422	4671	0	0	4467	4471	-1391	13520	0	13520	2693	16213	49.94
2	4138	561	428	5127	174	4671	0	0	4299	4353	-1214	13111	0	13111	2498	15609	49.96
3	4107	323	423	4853	118	4655	0	0	4194	4157	-1020	12763	0	12763	2332	15095	49.97
4	4148	318	425	4891	77	4611	0	0	4120	3798	-768	12609	0	12609	2076	14685	49.98
5	4155	221	425	4801	103	4553	0	0	4248	3860	-721	12596	0	12596	1909	14505	49.92
6	4178	409	435	5022	75	4548	0	0	4220	4527	-727	13445	22	13467	2036	15503	49.95
7	4165	365	425	4955	63	4477	0	4	4744	4498	-817	13180	739	13919	2168	16087	49.98
8	4417	213	429	5059	74	4439	0	57	4863	5182	-940	13871	619	14490	2290	16780	49.98
9	4435	403	437	5275	58	4449	0	154	4990	5378	-1217	14097	533	14630	2620	17250	49.96
10	4406	349	427	5182	53	4433	0	195	4900	5396	-1327	13932	494	14426	2966	17392	49.94
11	4332	292	423	5047	57	4463	0	226	5023	5189	-1344	13638	498	14136	3088	17224	49.95
12	4462	661	423	5546	68	4534	0	223	4970	5158	-1510	14019	557	14576	3276	17852	49.95
13	4414	595	417	5426	71	4581	0	164	4916	5088	-1488	13842	616	14458	3250	17708	49.93
14	4395	572	426	5393	52	4589	0	178	4885	5040	-1442	13810	609	14419	3175	17594	50.02
15	4344	798	412	5554	63	4587	0	170	5006	5190	-1455	14109	505	14614	3211	17825	49.98
16	4340	957	412	5709	63	4578	0	186	5201	5095	-1492	14139	686	14825	3231	18056	49.99
17	4233	778	413	5424	208	4539	0	116	4941	4935	-1427	13795	789	14584	3209	17793	49.94
18	4284	536	404	5224	272	4535	0	52	4881	4851	-1366	13568	919	14487	3123	17610	49.99
19	4268	1142	416	5826	404	4543	0	1	4693	4920	-1227	14467	561	15028	3028	18056	49.93
20	4388	1119	427	5934	545	4577	0	0	4695	4564	-1231	14389	698	15087	3049	18136	50.00
21	4430	1137	417	5984	313	4574	0	0	4347	4470	-1137	14204	488	14692	2956	17648	49.97
22	4440	1496	417	6353	188	4576	0	0	4234	4330	-1027	14420	254	14674	2817	17491	49.94
23	4341	1436	419	6196	146	4594	0	0	4258	4468	-1069	14335	100	14435	2759	17194	50.01
24	4259	1236	428	5923	230	4587	0	0	4217	4381	-1092	14029	94	14123	2712	16835	49.95
MUs	103.27	16.66	10.13	130.05	3.90	109.37	0.00	1.73	111.31	113.30	-28.45	329.89	9.78	339.67	66.47	406.15	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/Sep/2017

Position as on 6.30 Hrs of 14/Sep/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.	
CENT.SECTOR	TARAPUR 4	540	23/04/2017	19:55		Continued.	Annual Maintenance	
CENT.SECTOR	Tarapur 1	160	04/06/2017	19.09		Continued.	3 months outage for refuelling.	
CENT.SECTOR	TARAPUR-3	540	11/07/2017	16.30		Continued.	Reactor Inspection Work	
MSPGCL	Khaparkheda Unit 4	210	13/07/2017	03.36		Continued.	Drum level low. on Dated 14.07.2017 converted to zero schedule. Converted into COH from 00:00Hrs of 02.08.2017	
MSPGCL	Nasik Unit 3	210	10/08/2017	00.00		Continued.	Withdrawn for maintenance work.Converted to COH from 15.08.2017.	
MSPGCL	Chandrapur Unit 4	210	22/08/2017	23.56		Continued.	Annual Overhaul	
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.	Shutdown	
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 U2	126	07/02/2017	17.30		Continued.	No Schedule	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule	
IPP	Dhariwal	300	01/06/2017	00.01		Continued.	NO SCHEDULE.	
IPP	VIPL U-1	300	13/06/2017	08.30		Continued.	GT WORK	
MSPGCL	Parli Unit 8	250	17/06/2017	00.08		Continued.	Zero Schedule by MSEDCL, scheduled issued on 08.08.2017 but synchronization delayed.	
MSPGCL	Ghatghar Unit-2	125	28/07/2017	00.00		Continued.	due to common pressure shaft with unit 1.	
MSPGCL	Ghatghar Unit-1	125	28/07/2017	00.00		Continued.	RBDV leakage attending work.	
IPP	Adani U-2	660	11/08/2017	16.49		Continued.	Furnace Pressure High	

State Load Despatch Center,Airoli (MSETCL) Statement-VI
Details of Generating Unit Outages/Trippings for 13/Sep/2017

Position as on 6.30 Hrs of 14/Sep/2017

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
CPP	SWPGL U-3	135	26/08/2017	17.40		Continued.	Boiler Tube Leakage	
MSPGCL	Bhusawal Unit 3	210	27/08/2017	07.43		Continued.	Low furnace pressure	
MSPGCL	Khaparkheda Unit 5	500	01/09/2017	18.29		Continued.	Due to shaft vibration High.	
IPP	Adani U-4	660	06/09/2017	21.47		Continued.	Changeover from U-4 to U1	
MSPGCL	Koradi Unit 9	660	07/09/2017	00.38		Continued.	Air heater problem	
MSPGCL	Khaparkheda Unit 1	210	08/09/2017	12.23		Continued.	Coal Shortage	
IPP	JSW (J) U3	300	09/09/2017	00.43		Continued.	Cooling Water Leakage	
MSPGCL	Chandrapur Unit 6	500	09/09/2017	04.40		Continued.	Boiler Tube Leakage	
MSPGCL	Chandrapur Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Khaparkheda Unit 3	210	12/09/2017	00.00		Continued.	Coal Shortage	
MSPGCL	Koradi Unit 7	210	12/09/2017	00.12		Continued.	Coal Shortage	
MSPGCL	Koyna STG- IV Unit - 1	250	13/09/2017	14.25	14/09/2017	05.25	Governing system problem	

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

Statement-VII

Position as on 6.30 Hrs of 14/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
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 II	InterState	10/09/2017	20.53		Continued.	T	Distance Protection
Padgha Tarapur II	InterState	12/09/2017	09.02		Continued.	PO	Routine Maintenance Work
Padgha Tarapur I	InterState	13/09/2017	05.35	13/09/2017	08.50	T	Over Voltage
Dhule Khandwa I	InterState	13/09/2017	09.18	13/09/2017	20.29	PO	Insulator Replacement Work
Karad-Jaigad - I	IntraState	08/09/2017	00.47		Continued.	HT	Over Voltage
karad -kolhapur-II	IntraState	09/09/2017	17.21		Continued.	HT	Over Voltage
Bhusawal-Aurangabad	IntraState	11/09/2017	20.58		Continued.	HT	Over Voltage
Ektuni-Bableshtar ckt II	IntraState	11/09/2017	22.41		Continued.	HT	To control L/L on padgha-BBLSR
Main Bus-I @ Koradi III	IntraState	13/09/2017	09.47	13/09/2017	12.59	PO	Testing Work
Koradi-Khaparkheda I	IntraState	13/09/2017	10.49	13/09/2017	12.42	PO	Tan Delta Measurement of CTs
400 KV ICT Outages/Trippings							
400/220KV 500MVA ICT1@koradi 2	IntraState	10/08/2017	11.39		Continued.	PO	Attend defects observed in OLTC of ICT 1.
400/220 KV 315 MVA ICT- I @Koradi	IntraState	12/09/2017	11.35		Continued.	HT	Due to sparking on 20 kv cable and continuous NDR Alarm.
400/220KV 500MVA ICT-I @Nanded	IntraState	13/09/2017	11.36	13/09/2017	23.13	T	Y Phase unit Inspection work
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.
Mahalakshmi Amona	InterState	13/09/2017	03.03	13/09/2017	08.00	T	Tripped from Amona end on O/V
Tillari Amona	InterState	13/09/2017	03.48	13/09/2017	08.57	T	Tripped from Amona end on O/V
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.
Pusad - Hingoli	IntraState	11/09/2017	20.06		Continued.	HT	Distance Relay Faulty at pusad end
Pusad-Ghatodi	IntraState	11/09/2017	20.53		Continued.	HT	Distance Relay Faulty at pusad end
Shivajinagar-Gangapur	IntraState	12/09/2017	14.29		Continued.	T	Distance Protection
Uran - Kharghar I	IntraState	13/09/2017	02.44	13/09/2017	04.37	T	Tripped from only uran end.
Trombay - Mulund	IntraState	13/09/2017	03.03		Continued.	T	Distance Protection
Trombay - Kalwa	IntraState	13/09/2017	03.03	13/09/2017	03.36	T	Distance Protection
Trombay MSETCL Tie 1	IntraState	13/09/2017	03.03	13/09/2017	07.58	T	Distance Protection
Khadka-Chalisgaon-1	IntraState	13/09/2017	09.14	13/09/2017	11.43	PO	Carrying out Signature test
Osmanabad - Barshi	IntraState	13/09/2017	10.20	13/09/2017	12.03	PO	Line Maintenance work
Gadchandur - Virur-li	IntraState	13/09/2017	11.01	13/09/2017	14.45	PO	Disc Insulator Replacement Work
Nagothane-Wadkhali	IntraState	13/09/2017	11.02	13/09/2017	17.43	PO	Bay Maint.work
Parli 3 (Old Gcr)-Osmanabad	IntraState	13/09/2017	11.28	13/09/2017	16.20	PO	Line Signature Test
Khadka-Chalisgaon-2	IntraState	13/09/2017	11.50	13/09/2017	15.24	PO	Carrying out Signature test
Paranda Tap Osmanabad - Barshi	IntraState	13/09/2017	13.15	13/09/2017	16.07	PO	Carrying out signature test
Pusad-WardhaPG(Deoli)	IntraState	13/09/2017	13.27	13/09/2017	22.31	PO	Repl.of Faulty Distance Relay at Pusad
Bhigwan-Baramat lagro	IntraState	13/09/2017	14.05	13/09/2017	17.45	PO	Testing 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/Sep/2017

Statement-VII

Position as on 6.30 Hrs of 14/Sep/2017

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
Versova Aarey Line 1	IntraState	13/09/2017	14.06	13/09/2017	15.51	PO	Safety Purpose
Talandge-Mudshingi Ckt-I	IntraState	13/09/2017	15.10	13/09/2017	17.37	PO	Tan Delta Measurement of CTs
Khadaka-Chaligaon III	IntraState	13/09/2017	15.37	13/09/2017	19.41	PO	Carrying out Signature test
Parli New Tps - Beed Ckt 2	IntraState	13/09/2017	16.06	13/09/2017	Continued.	PO	Replacement of Flashover String
Baramati - Kurkumbh	IntraState	13/09/2017	19.20	13/09/2017	20.05	T	Bus Bar Protection Operated
Shirsuphal-Kurkumbha	IntraState	13/09/2017	19.20	13/09/2017	20.05	T	Bus Bar Protection Operated
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)
220/132 Kv 150 Mva Emco Ict 1 @Ambazari	IntraState	06/09/2017	08.41		Continued.	PO	Augmentation of 200 MVA 220/132KV ICT
220/132 Kv 200mva Kanohar Ict 3 @Bale (Solapur 2)	IntraState	13/09/2017	10.42	13/09/2017	13.20	PO	Quarterly Maintenance Work
220/132kv 200mva Emco Ict @Kurkumbh	IntraState	13/09/2017	18.56	13/09/2017	19.45	T	Bus Bar Protection Operated
220/132KV 200MVA ICT II @Kurkumb	IntraState	13/09/2017	18.56	13/09/2017	19.45	T	Bus Bar Protection Operated
132 KV LINE Outages/Trippings							
Gangakhed- Sonpeth Ckt-I	IntraState	13/09/2017	15.33	13/09/2017	15.48	T	Distance Protection
Kurkumb - Janai	IntraState	13/09/2017	18.56	13/09/2017	19.45	T	Bus Bar Protection Operated
Kurkumbh-Daund	IntraState	13/09/2017	18.56	13/09/2017	19.45	T	Bus Bar Protection Operated

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