

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.
Maharashtra State Load Despatch Centre, Kalwa

To,
DSS CONTROL ROOM,
Head Office Mumbai.

Sub: Report of the Power System position for the period 20-Jan-14 To 26-Jan-14

Date	Monday 20-Jan-14	Tuesday 21-Jan-14	Wednesday 22-Jan-14	Thursday 23-Jan-14	Friday 24-Jan-14	Saturday 25-Jan-14	Sunday 26-Jan-14
On Line Capacity (MW)							
MSPGCL THM	5101	5041	4823	5038	4881	5054	5256
MSPGCL HY	1299	1299	1291	1291	1291	1291	1292
MSPGCL GAS	330	330	320	330	320	315	330
MSPGCL TOTAL	6730	6670	6434	6659	6492	6660	6878
Cent. Sect.(incl. RGPPL)	5231	5217	5490	5000	5244	5347	5024
MSPGCL + CS	11961	11887	11924	11659	11736	12007	11902
TPCL	1127	1127	1127	1127	1127	1127	1127
REL	250	250	250	250	250	500	250
TPCL + REL	1377	1377	1377	1377	1377	1627	1377
CPP	2559	2559	3156	3141	3139	3127	3007
STATE OLC	15897	15823	16457	16177	16252	16761	16286
Morning Peak Demand (MW)	11 Hrs	10 Hrs	12 Hrs	12 Hrs	12 Hrs	12 Hrs	9 Hrs
MSPGCL THM	4768	4639	4817	4365	4846	4948	5146
MSPGCL HY	2333	2305	1440	1623	2031	1385	162
MSPGCL GAS	320	325	320	315	312	308	318
MSPGCL TOTAL	7421	7269	6577	6303	7189	6641	5626
Cent. Sect.(incl. RGPPL)	5164	5730	5747	6658	5212	5081	5032
Wind	257	442	141	68	63	219	324
CPP	3219	3069	3624	3420	2564	3267	3350
TPCL Asst	-1050	-1047	-1129	-1146	-960	-955	-703
MSEDCL Catered	15181	15527	15088	15372	14177	14391	13712
Load Shedding (LS)	807	713	864	840	914	939	97
MSEDCL Demand(Incl LS)	15988	16240	15952	16212	15091	15330	13809
TPCL + REL Dem.	2408	2328	2506	2529	2541	2418	1656
State Demand (Incl LS)	18396	18568	18458	18741	17632	17748	15465
Sys. Freq. (Hz)	49.96	50.18	50.02	50.09	50.05	50.11	49.98
Evening Peak Demand (MW)	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	17 Hrs	20 Hrs
MSPGCL THM	4676	4683	4529	4676	5014	5065	4655
MSPGCL HY	1837	1579	1810	1825	525	853	138
MSPGCL GAS	327	317	311	314	308	312	312
MSPGCL TOTAL	6840	6579	6650	6815	5847	6230	5105
Cent. Sect.(incl. RGPPL)	4816	5194	5059	5006	4892	4773	4328
Wind	88	89	69	72	52	66	262
CPP	3199	3037	3597	3353	3382	3315	2838
TPCL Asst	-919	-886	-980	-976	-1106	-711	-1035
MSEDCL Catered	14083	14033	14457	14287	13089	13710	11550
Load Shedding (LS)	611	563	719	580	434	590	82
MSEDCL Demand(Incl LS)	14694	14596	15176	14867	13523	14300	11632
TPCL + REL Dem.	2244	2301	2382	2377	2367	2183	2037
State Demand (Incl LS)	16938	16897	17558	17244	15890	16483	13669
Sys. Freq. (Hz)	49.94	49.9	49.84	49.97	49.99	50.04	50

Chief Engineer
MSLDC, Kalwa

SLDC,KALWA
MSPGCL WEEKLY FORCED & PLANNED UNIT OUTAGES

WEEK	20-Jan-13	TO	26-Jan-13
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A) (UNITWISE PLANNED/FORCED OUTAGE POSITION @ 05:30 HRS. OF THE DAY OF (MSPGCL THERMAL UNITS ONLY)

Sr.No	Date	20-Jan-2013		21-Jan-2013		22-Jan-2013		23-Jan-2013		24-Jan-2013		25-Jan-2013		26-Jan-2013	
	Day	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY		SUNDAY	
	Outage Type	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED	PLANNED	FORCED
1	NASIK	*	*	*	*	*	*	*	*	*	*	*	*	*	3
2	KORADI	*	5	*	5	*	5	*	*	*	*	*	6,7	*	6,7
3	KHAPERKHEDA	*	2,5	*	*	*	*	*	2,5	*	1,5	*	1	*	*
4	PARALI	3	*	3	*	3	*	3	*	3	*	3	*	3	*
5	CHANDRAPUR	5	*	5	1,2	5	1,2,7	5	2	5	2	5	2	5	2
6	BHUSAVAL	*	*	*	*	*	*	*	*	*	*	*	2	*	2
7	PARAS	*	*	*	*	*	*	*	*	*	*	*	*	*	*

REMARKS:-
1)THIS INFORMATION TO BE VERIFIED FROM CGM.(GEN.WORKS) MSPGCL,H.O. MUMBAI REPORT BEFORE SUBMITTING TO THE CABINET COMMITTEE
2) URAN GTPS UNITS ARE KEPT SHUT OR ON STAND BY MODE DUE TO GAS SHORTAGE.
3) Koradi U-1 to 4, Paras U-2, Parli U-1,2, Bhusawal U-1 and Nasik 1,2 are withdrawn being a vintage units.

B) WEEKLY CENTRAL SECTOR SHARE/DRAWL(IN MUs)

DATE	DAY	CENT.SECT. SHARE		TOTAL INTER STATE BILATERAL PURCHASE		TOTAL SHARE		TOTAL DRAWL		OVERDRAWL(+) UNDREDRAWL(-)	
		MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW	MUs	AVG. MW
		1		2		1+2=3		4		3-4=5	
20-Jan-2013	MONDAY	103.025	4293	8.770	365	111.795	4658	117.455	4894	5.660	236
21-Jan-2013	TUESDAY	107.762	4490	9.420	393	117.182	4883	124.413	5184	7.231	301
22-Jan-2013	WEDNESDAY	104.178	4341	11.570	482	115.748	4823	124.227	5176	8.479	353
23-Jan-2013	THURSDAY	103.069	4295	10.140	423	113.209	4717	124.723	5197	11.514	480
24-Jan-2013	FRIDAY	101.899	4246	9.170	382	111.069	4628	115.506	4813	4.437	185
25-Jan-2013	SATURDAY	104.457	4352	6.620	276	111.077	4628	113.570	4732	2.493	104
26-Jan-2013	SUNDAY	95.780	3991	3.970	165	99.750	4156	102.552	4273	2.802	117
	TOTAL	720.170		59.660		779.830		822.446		42.616	

Details of Koyna Water Consumption (In TMC)

DATE	For the Day	For the Month	Balance
20-Jan-14	0.316	6.746	21.809
21-Jan-14	0.353	7.099	21.456
22-Jan-14	0.247	7.346	21.209
23-Jan-14	0.324	7.670	20.885
24-Jan-14	0.224	7.894	20.661
25-Jan-14	0.148	8.042	20.513
26-Jan-14	0.043	8.085	20.470

Supply Position During Evening Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Cateder Demand	Load Shedding (LS).	MSEDCL Demand (Incl LS)	TPCL Gen.	REL Gen.	State demand met	State Demand (Incl LS)	Freq.
		Thermal	Hydro	Gas	Total												
		MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	Hzs
20-Jan-14	17	4676	1837	327	6840	4816	88	3199	-919	14083	611	14694	1063	262	16327	16938	49.94
21-Jan-14	17	4683	1579	317	6579	5194	89	3037	-886	14033	563	14596	1153	262	16334	16897	49.90
22-Jan-14	17	4529	1810	311	6650	5059	69	3597	-980	14457	719	15176	1141	261	16839	17558	49.84
23-Jan-14	17	4676	1825	314	6815	5006	72	3353	-976	14287	580	14867	1139	262	16664	17244	49.97
24-Jan-14	17	5014	525	308	5847	4892	52	3382	-1106	13089	434	13523	1002	259	15456	15890	49.99
25-Jan-14	17	5065	853	312	6230	4773	66	3315	-711	13710	590	14300	951	521	15893	16483	50.04
26-Jan-14	20	4655	138	312	5105	4328	262	2838	-1035	11550	82	11632	614	388	13587	13669	50.00
Maximum		5065	1837	327	6840	5194	262	3597	-711	14457	719	15176	1153	521	16839	17558	50.04
Minimum		4529	138	308	5105	4328	52	2838	-1106	11550	82	11632	614	259	13587	13669	49.84
Average		4757	1224	314	6295	4867	100	3246	-945	13601	511	14113	1009	316	15871	16383	49.95

Supply Position During Morning Peak (MW)

Date	Time	MSEDCL Generation				Central Sector Receipt	WIND	CPP	TPCL Exch	MSEDCL Cateder Demand	Load Shedding (LS).	MSEDCL Demand (Incl LS)	TPCL Gen.	REL Gen.	State demand met	State Demand (Incl LS)	Freq.
		Thermal	Hydro	Gas	Total												
		MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	MW	Hzs
20-Jan-14	11	4768	2333	320	7421	5164	257	3219	-1050	15181	807	15988	1096	262	17589	18396	49.96
21-Jan-14	10	4639	2305	325	7269	5730	442	3069	-1047	15527	713	16240	1020	261	17855	18568	50.18
22-Jan-14	12	4817	1440	320	6577	5747	141	3624	-1129	15088	864	15952	1115	262	17594	18458	50.02
23-Jan-14	12	4365	1623	315	6303	6658	68	3420	-1146	15372	840	16212	1122	261	17901	18741	50.09
24-Jan-14	12	4846	2031	312	7189	5212	63	2564	-960	14177	914	15091	1124	457	16718	17632	50.05
25-Jan-14	12	4948	1385	308	6641	5081	219	3267	-955	14391	939	15330	941	522	16809	17748	50.11
26-Jan-14	9	5146	162	318	5626	5032	324	3350	-703	13712	97	13809	692	261	15368	15465	49.98
Maximum		5146	2333	325	7421	6658	442	3624	-703	15527	939	16240	1124	522	17901	18741	50.18
Minimum		4365	162	308	5626	5032	63	2564	-1146	13712	97	13809	692	261	15368	15465	49.96
Average		4790	1611	317	6718	5518	216	3216	-999	14778	739	15517	1016	327	17119	17858	50.06

Details of Supply Position (MUs)

Date	MSEDCL Generation					Central Sector Receipt	Central Sector Share	WIND	CPP	TPCL Gen	R-Infra Gen	TPCL Exch	Energy Requirement		
	Thermal	Hydro	Gas	Pench(MS)	Total								MSEDCL	MUMBAI	State
20-Jan-14	111.848	19.126	7.819	0.556	139.349	117.455	111.795	5.546	75.219	18.993	5.913	-20.813	317.727	45.719	363.446
21-Jan-14	111.279	21.212	7.480	0.022	139.993	124.413	117.182	6.395	67.849	20.416	6.010	-20.960	318.225	47.384	365.609
22-Jan-14	111.393	15.132	7.721	0.199	134.445	124.227	115.748	3.976	79.516	19.876	5.833	-22.304	320.600	48.013	368.613
23-Jan-14	109.047	19.845	7.720	0.207	136.819	124.723	113.209	1.789	80.867	20.903	5.826	-21.406	323.343	48.135	371.478
24-Jan-14	113.382	14.360	7.669	0.175	135.586	115.506	111.069	1.697	76.517	19.729	6.753	-21.835	308.293	48.315	356.608
25-Jan-14	115.267	11.036	7.681	0.093	134.077	113.570	111.077	4.881	75.135	19.148	10.517	-16.955	311.645	46.618	358.263
26-Jan-14	113.385	6.120	7.579	0.389	127.473	102.552	99.750	6.691	72.594	14.428	6.397	-19.264	290.994	40.089	331.083
Maximum	115.267	21.212	7.819	0.556	139.993	124.723	117.182	6.691	80.867	20.903	10.517	-16.955	323.343	48.315	371.478
Minimum	109.047	6.120	7.480	0.022	127.473	102.552	99.750	1.697	67.849	14.428	5.826	-22.304	290.994	40.089	331.083
Average	112.229	15.262	7.667	0.234	135.392	117.492	111.404	4.425	75.385	19.070	6.750	-20.505	312.975	46.325	359.300

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.

Maharashtra State Load Despatch Centre, Kalwa

Information for Weekly Cabinet Meeting

For the Week

20-Jan-14

to

26-Jan-14

Demand Supply Summary

	Morning Peak (MW)	Evening Peak (MW)
Average Peak Demand	15517	14113
Average Peak Supply	14778	13601
Average Load Relief (LS)	739	511

Average Supply Summary

	Morning Peak (MW)	Evening Peak (MW)	Mus
Thermal	4790	4757	112.23
Gas	317	314	7.67
Hydro	1611	1224	15.26
CS Drawal (Total)	5518	4867	117.49
TPCL	-999	-945	-20.51

Koyna Water position

	Water in TMC Feet
Average Water Used Per Day	0.236
Balance Left	20.470
Balance Left Last Year Same Week	25.423

MSPGCL Unit Outage Position

Date	MSPGCL (in MW)		
	Planned	Forced	Total
20-Jan-14	710	910	1620
21-Jan-14	710	620	1330
22-Jan-14	710	1120	1830
23-Jan-14	710	920	1630
24-Jan-14	710	920	1630
25-Jan-14	710	1050	1760
26-Jan-14	710	1050	1760

Distressed Load Shedding

Maxm. No. of Hours in a day	0
Number of Days	0

GENERATING UNIT OUTAGES FOR THE WEEK

FROM 20-Jan-14 TO 26-Jan-14

UNIT UNDER PLANNED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reasondes
Parli	Unit 3	210	13-Feb-13	23.50		Continued.	Water Shortage
Chandrapur	Unit 5	500	14-Jul-13	00.01		Continued.	Condenser replacement work.
REL	1	250	4-Jan-14	23.38	24-Jan-14	07.19	Annual Overhaul

UNIT UNDER FORCED OUTAGE

name	unit_no	derat_cap	date_trip	time_trip	date_sync	time_sync	reason
Dabhol	1B	230	28-May-13	22.02		Continued.	Gas shortage.
Dabhol	2A	230	6-Jun-13	09.10		Continued.	Gas Shortage
Dabhol	3A	230	6-Jun-13	08.28		Continued.	Gas Shortage
Dabhol	1A	230	27-Jun-13	21.47		Continued.	Gas Shortage
Dabhol	1X	290	27-Jun-13	21.46		Continued.	Gas Shortage
Dabhol	2X	290	15-Jul-13	15.09		Continued.	Gas Shortage
Tata	Trombay 6	500	19-Jul-13	23.54		Continued.	Economic shut down.
Dabhol	2B	230	8-Aug-13	15.03		Continued.	Gas Shortage
CPP	VIPL	300	2-Oct-13	00.45		Continued.	Turbine bearing vibration high.
CPP	JSW (J) U2	300	21-Oct-13	00.00		Continued.	Lack of Shedule.
CPP	WPCL U-2	135	13-Dec-13	13.17		Continued.	ID Fan problem
Dabhol	3X	290	29-Dec-13	05.47		Continued.	Gas Shortage
Dabhol	3B	230	29-Dec-13	06.14		Continued.	Gas Shortage
Uran	Unit 8	108	3-Jan-14	14.06		Continued.	Gas Shortage
Khaparkheda	Unit 2	210	7-Jan-14	21.02	20-Jan-14	16.43	Heavy oil consumption.
Tata	Trombay 8	250	9-Jan-14	22.54		Continued.	Emergency H/T, Fire at turbine track.
CPP	WPCL U-1	135	14-Jan-14	00.23	24-Jan-14	21.54	Furnace Pressure High
Uran	Unit 6	108	14-Jan-14	12.45		Continued.	Gas Shortage.
Chandrapur	Unit 2	210	14-Jan-14	12.38		Continued.	I D Fan Problem.
Khaparkheda	Unit 5	500	16-Jan-14	20.59	20-Jan-14	17.08	Air Preheater problem.
CPP	Adani U-3	660	17-Jan-14	1.26	22-Jan-14	05.04	Bursting B ph bushing og GT
Koradi	Unit 5	200	18-Jan-14	01.34	22-Jan-14	18.36	ID Fan Problem.
Khaparkheda	Unit 2	210	20-Jan-14	16.48	20-Jan-14	17.40	Tripped on RPP
Khaparkheda	Unit 2	210	20-Jan-14	18.51	21-Jan-14	03.19	Generator Protection
Chandrapur	Unit 1	210	20-Jan-14	22.32	23-Jan-14	05.29	COAL MILL PROBLEM.
Paras	Unit 4	250	21-Jan-14	06.24	21-Jan-14	09.00	Furnace Pressure High.
Parli	Unit 5	210	21-Jan-14	10.50	21-Jan-14	13.29	Emergency Board Supply Failed.
Chandrapur	Unit 7	500	21-Jan-14	18.53	22-Jan-14	20.46	I D Fan Tripped Due to Heavy Voltage Dip
Khaparkheda	Unit 5	500	22-Jan-14	16.45	24-Jan-14	09.14	Withdrawn Due To BTL.
Cent_Sect	TARAPUR-4	540	22-Jan-14	11.51		Continued.	G T Maintenance.
Khaparkheda	Unit 2	210	23-Jan-14	05.31	23-Jan-14	08.16	Flame Failure.
Chandrapur	Unit 3	210	23-Jan-14	06.38	23-Jan-14	15.45	Drum Level Low.
Chandrapur	Unit 1	210	23-Jan-14	06.52	23-Jan-14	11.14	Low Vacuum.
Bhusawal	Unit 4	500	23-Jan-14	21.41	24-Jan-14	00.30	ID Fan Problem.
Bhusawal	Unit 5	500	23-Jan-14	09.09	23-Jan-14	11.37	Aux.Supply Failure.
Chandrapur	Unit 1	210	23-Jan-14	11.46	23-Jan-14	16.05	Furnace Pressure High.
Khaparkheda	Unit 1	210	23-Jan-14	07.15	25-Jan-14	8.53	AVR Fault.
Bhusawal	Unit 5	500	23-Jan-14	11.46	23-Jan-14	13.08	Elect.Prot.Optd.
REL	1	250	24-Jan-14	12.54	25-Jan-14	04.38	Oil leakage from turbine.
Koradi	Unit 6	210	24-Jan-14	06.51		Continued.	Coal bunkering
Koradi	Unit 7	210	24-Jan-14	07.46	24-Jan-14	10.20	ID Fan Problem.
Koradi	Unit 7	210	24-Jan-14	12.26	26-Jan-14	06.47	ID Fan Problem.
CPP	Adani U-3	660	24-Jan-14	10.30	24-Jan-14	14.02	WR-SR SPS Activation Relulting tripped.
CPP	WPCL U-4	135	24-Jan-14	06.24		Continued.	ID Fan Vibration high.
Bhusawal	Unit 2	210	24-Jan-14	23.21	26-Jan-14	22.45	Bottom ash hopper repairing work.
Nasik	Unit 3	210	25-Jan-14	09.28		Continued.	Boiler Tube Leakage
REL	1	250	26-Jan-14	00.54	26-Jan-14	18.59	due to oil leakage in turbine inlet vave 3& 4
Parli	Unit 6	250	26-Jan-14	20.40		Continued.	HP by pass Valve Heavy steam leakage

LINE OUTAGES FOR THE WEEK

FROM 20-Jan-14 TO 26-Jan-14

Voltage	Name	date_trip	time_trip	date_sync	time_sync	Reason
500KV	HVDC POLE - II	22-Jan-14	09.40	22-Jan-14	14.18	Converter Colling T/F Problem.
400KV	Bhusawal - Deepnagar - II	3-Jan-14	15.47	24-Jan-14	08.46	For Change Over.
400KV	A'bad-Talegaon PG-I	16-Jan-14	11.59	20-Jan-14	15.00	Outage For Akola-A'bad CKT 2 Code 1650.
400KV	Bhusawal- Aurangabad	18-Jan-14	17.12	21-Jan-14	09.28	over voltage
400KV	Akola - Aurangabad - II Tie Bay	18-Jan-14	12.46	21-Jan-14	16.09	problem in B-ph pole
400KV	Kolhapur - Mapusa - I	19-Jan-14	16.10	20-Jan-14	08.07	Over Voltage
400KV	Kolhapur-Solapur (PG) II	19-Jan-14	16.49	20-Jan-14	10.11	Over Voltage
400KV	Karad - Kolhapur - II	19-Jan-14	15.46	20-Jan-14	09.08	Over Voltage
400KV	Dhule-Sar'Sarovar - II	19-Jan-14	21.45	20-Jan-14	06.51	Over Voltage
400KV	Lonikand- Koyna Stage IV	19-Jan-14	21.52	20-Jan-14	08.14	Over Voltage
400KV	Karad-Jaigad I	19-Jan-14	20.42	20-Jan-14	09.11	Over Voltage
400KV	400/220 KV 315 MVA ICT- I @ Nagothane	20-Jan-14	09.41	20-Jan-14	18.47	Q.M.Work
400KV	400/220 KV 500 MVA ICT-I @ Deepnagar	20-Jan-14	12.50	20-Jan-14	16.50	Collect CT Oil Sample for DGA Analysis
400KV	Kolhapur-Mapusa-II	20-Jan-14	11.48	21-Jan-14	09.40	Over Voltage
400KV	Lonikand- Koyna Stage IV	20-Jan-14	21.49	21-Jan-14	08.00	Over Voltage
400KV	Karad-Kolhapur-II	20-Jan-14	16.13	21-Jan-14	09.26	Over Voltage
400KV	Karad-Jaigad I	20-Jan-14	16.17	21-Jan-14	08.43	Over Voltage
400KV	Dhule-Sar'Sarovar - II	20-Jan-14	22.08	21-Jan-14	07.14	Over Voltage
400KV	Karad-Kolhapur-II	21-Jan-14	16.07	22-Jan-14	07.37	Over Voltage.
400KV	Dhule-Sar'Sarovar - II	21-Jan-14	22.00	22-Jan-14	08.46	Over Voltage.
400KV	Lonikand- Koyna Stage IV	21-Jan-14	21.28	22-Jan-14	07.55	Over Voltage.
400KV	Kolhapur - Mapusa - I	21-Jan-14	16.31	23-Jan-14	10.06	Over Voltage.
400KV	Karad-Jaigad I	21-Jan-14	16.37	22-Jan-14	07.39	Over Voltage.
400KV	Wardha (PG) - Warora - I	21-Jan-14	18.53	21-Jan-14	19.38	Trip @ Wardha End.
400KV	400/220 KV,500MVA ICT-II at Deepnagar.	21-Jan-14	12.37	21-Jan-14	15.38	Taking Oil Samples from 400 KV Tie CT & T/F CT OF ICT-II.
400KV	Warora-Chandrapur- II, Ckt II	21-Jan-14	18.53	21-Jan-14	22.09	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora
400KV	Chandrapur II - Dhariwal - I	21-Jan-14	18.53	21-Jan-14	22.35	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora
400KV	Chandrapur-2 - Chandrapur-1	21-Jan-14	19.03	22-Jan-14	18.24	Due to Y PH. Wave Trap Burnt.
400KV	Chandrapur - Parli - I	21-Jan-14	19.03	21-Jan-14	22.26	Over Voltage.
400KV	Chandrapur - Parli - II	21-Jan-14	19.03	21-Jan-14	22.39	Over Voltage.
400KV	Chandrapur-II - Warora - I	21-Jan-14	18.53	25-Jan-14	21.50	Main Bus-I B/B Prot.Optd. Due to Y Ph.Bkr Pole Burst of 400KV Warora
400KV	Aurangabad(M)-Aurangabad PG	21-Jan-14	21.58	22-Jan-14	06.39	Over Voltage.
400KV	Dhule-Sar'Sarovar - I	22-Jan-14	22.05	23-Jan-14	06.22	Over Voltage.
400KV	Dabhol - Nagothane - I	22-Jan-14	03.02	22-Jan-14	07.14	Over Voltage.
400KV	Kolhapur-Solapur(PGCIL)-I	22-Jan-14	00.31	22-Jan-14	09.58	Over Voltage.
400KV	Karad-Jaigad I	22-Jan-14	21.32	23-Jan-14	07.06	Over Voltage.
400KV	Bhusawal- Aurangabad	22-Jan-14	17.50	23-Jan-14	06.44	Over Volatge.
400KV	Karad-Kolhapur-II	22-Jan-14	17.08	23-Jan-14	07.03	Over Voltage.
400KV	Lonikand- Koyna Stage IV	22-Jan-14	21.57	23-Jan-14	07.08	Over Voltage.
400KV	Padgha -Tarapur - I	22-Jan-14	08.54	22-Jan-14	20.45	Q.M Work.
400KV	400/220KV 315 MVA ICT-II at Korady	22-Jan-14	11.05	22-Jan-14	15.48	Tan Delta Mesasurment.
400KV	400/220 KV,500MVA ICT-II at Deepnagar.	22-Jan-14	09.03	22-Jan-14	12.21	To Collect oil Sample For DG Analysis.
400KV	Dabhol - New Koyna - I	22-Jan-14	00.02		Continued.	Over Voltage.
400KV	Main Bay BKR at Akola	23-Jan-14	15.54	23-Jan-14	17.46	Hot Spot at line isolator.
400KV	400/220 KV 500 MVA ICT-I @ Deepnagar	23-Jan-14	17.00	24-Jan-14	01.38	Check oil level in CT.
400KV	400/220 KV 315 MVA ICT I@ Bhusawal	23-Jan-14	21.28	24-Jan-14	01.38	Tripped on NDR.
400KV	Karad-Kolhapur-II	23-Jan-14	16.22	24-Jan-14	07.00	Over Voltage.
400KV	Karad-Jaigad I	23-Jan-14	16.34	24-Jan-14	07.31	Over Voltage.
400KV	Kolhapur - Mapusa - I	23-Jan-14	16.31	24-Jan-14	09.29	Over Voltage.
400KV	Dhule-Sar'Sarovar - II	23-Jan-14	18.01	24-Jan-14	09.27	Over Voltage.
400KV	Padgha -Tarapur - I	23-Jan-14	09.47	23-Jan-14	20.08	Maint.Work.
400KV	400/11KV 80 MVA STN.T/F 4B at Deepnagar	23-Jan-14	10.29	23-Jan-14	13.38	Taking oil samples from Bus CT and T/F CT for DGA analysis.
400KV	Bhusawal- Aurangabad	23-Jan-14	17.34		Continued.	Over Voltage.
400KV	400/220 KV,500MVA ICT-II at Deepnagar.	23-Jan-14	10.30	23-Jan-14	13.40	In view of STN T/F 4B U/O.
400KV	Padgha - Nagothane - I	24-Jan-14	09.06	24-Jan-14	18.40	Stringing of E/W.
400KV	400/220KV,315 MVA ICT-I at New Koyna.	24-Jan-14	15.38	24-Jan-14	19.43	For Commissioning P633 Differential Relay.
400KV	Karad - Kolhapur - II	24-Jan-14	16.15	25-Jan-14	8.52	Over Voltage.
400KV	Karad-Jaigad I	24-Jan-14	21.56	25-Jan-14	8.50	Over Voltage.
400KV	Kolhapur - Mapusa - I	24-Jan-14	16.08	25-Jan-14	8.47	Over Voltage.
400KV	Padgha-Bhoisor (PGCIL)	24-Jan-14	19.04	24-Jan-14	19.12	Reactor I/S.
400KV	Dhule-Sar'Sarovar - I	24-Jan-14	22.26	25-Jan-14	7.58	Over Voltage.
400KV	400/220 KV 500 MVA ICT-I @ Deepnagar	24-Jan-14	10.15	24-Jan-14	18.42	CT Repl.of B-Ph.
400KV	Main Bus I at Warora	24-Jan-14	11.00		Continued.	Bus Ext.Work for 125 MVAR reactor by hot line.
400KV	Dabhol - Nagothane - I	25-Jan-14	03.03	25-Jan-14	06.20	Over Voltage.
400KV	Jejuri-Koyna STG-IV	25-Jan-14	9.35	25-Jan-14	15.44	replacement of broken pilot insulator
400KV	Padgha - Nagothane - I	25-Jan-14	9.06	25-Jan-14	18.40	stringing of earth wire
400KV	Babaleshwar - Bhusawal	25-Jan-14	11.45	25-Jan-14	22.00	line crossing work

400KV	400/220KV 500 MVA ICT I at Kalwa	25-Jan-14	17.38	25-Jan-14	17.50	Aluminium wire fall on conductor
400KV	400/132KV 200 MVA ICT-II @ Bhusawal	25-Jan-14	18.03	25-Jan-14	21.39	emergency outage to rectify r ph ct porblem
400KV	Parli - Solapur	25-Jan-14	17.38	25-Jan-14	18.31	reactor buchholz tripped
400KV	Karad - Kolhapur - II	25-Jan-14	16.52		Continued.	over voltage
400KV	Karad-Jaigad I	25-Jan-14	20.30		Continued.	over voltage
400KV	Dhule-Khandwa-II	25-Jan-14	14.03	25-Jan-14	16.05	realay testing at khandawa end
400KV	Kolhapur - Mapusa - I	25-Jan-14	17.04		Continued.	over voltage
400KV	Chandrapur - Chandrapur 2	25-Jan-14	22.37	25-Jan-14	22.39	first time chagrg
400KV	Dhule-Sar'Sarovar - II	25-Jan-14	22.31		Continued.	over voltage
400KV	Lonikand- Koyna Stage IV	26-Jan-14	01.51	26-Jan-14	08.53	Over Voltage
400KV	Lonikand- Koyna Stage IV	26-Jan-14	17.28		Continued.	Over Voltage
400KV	Karad - Solapur (PGCIL)	26-Jan-14	17.05		Continued.	Over Voltage
400KV	Nagothane-Dabhol-I	26-Jan-14	17.02	26-Jan-14	18.55	Over Voltage
400KV	400/220KV,500 MVA ICT-III At A'bad.	26-Jan-14	10.23	26-Jan-14	11.55	Diff.Prot.operated
220KV	Aurangabad - Bhenda	18-Jan-14	8.49	25-Jan-14	8.03	control Aurangabad ICT Loading
220KV	Kandalgaon - Topworth	20-Jan-14	09.05	20-Jan-14	17.55	Making Temp.Tap arrangement
220KV	Pophali - KDPH	20-Jan-14	15.05	20-Jan-14	17.30	Tripped at KDPH Only
220KV	Karad-Kadegaon	20-Jan-14	15.05	20-Jan-14	20.53	Distance Protection
220KV	Halkarni-Mahalaxmi	20-Jan-14	08.18	20-Jan-14	17.56	Replacement of Insulator Strings
220KV	Khaparkheda-Kawlewada-I	20-Jan-14	14.50	20-Jan-14	16.31	Distance Protection
220KV	Butibori-Indorama	20-Jan-14	14.50	20-Jan-14	15.34	Tripped at Indorama end
220KV	Khaparkheda - Suryalaxmi	20-Jan-14	12.58	20-Jan-14	18.39	Dismantling of Ababdoned Tower
220KV	Abhijeet-Wardha-I	20-Jan-14	10.03	20-Jan-14	17.25	Measurement of Tan Delta of CT
220KV	Halkarni-Mahalaxmi	21-Jan-14	10.51	21-Jan-14	17.30	Maint. Work.
220KV	Tambati-Adlabs	21-Jan-14	10.55	21-Jan-14	17.46	Replacement of Line Isolator.
220KV	Karad-Vita-II	21-Jan-14	10.33	21-Jan-14	15.34	Maintenance Work.
220KV	Bus Section - II at Harangul	21-Jan-14	13.13	21-Jan-14	17.30	Attending Hot Spot @ ICT HV Bushing.
220KV	Usmanabad-Paranda	21-Jan-14	14.12	21-Jan-14	17.18	Replacement of Jumper @ Loc.No.-33 R Ph.
220KV	Alephata-Kathapur	22-Jan-14	10.35	22-Jan-14	11.10	To Control BBLR ICT Loading.
220KV	Babaleshwar - Ranjangaon	22-Jan-14	11.02	22-Jan-14	17.10	To Control BBLR ICT Loading.
220KV	Halkarni-Mahalaxmi	22-Jan-14	09.00	22-Jan-14	18.07	Insulater Replacement.
220KV	Talangde - Chikodi	22-Jan-14	13.52	22-Jan-14	19.45	Maintance Work.
220KV	Kalyani-Baramati Agro	22-Jan-14	09.30	22-Jan-14	18.47	Insulator Replacement.
220KV	Kandalgaon-Bhira	22-Jan-14	11.20		Continued.	Outage At Bhira End & R.M Work.
220KV	Pedambe-Mahad	22-Jan-14	13.22	22-Jan-14	14.31	Distance Protection.
220KV	Beed-Patoda I	22-Jan-14	10.25	22-Jan-14	14.54	Quarterly Maintenance Work.
220KV	Khaparkheda-Kawlewada-I	22-Jan-14	09.36	22-Jan-14	18.22	Replacement of Old Earthwire from Loc No. 213 to 302.
220KV	Apta-Kalwa	23-Jan-14	08.20	23-Jan-14	17.25	Erection of new tower.
220KV	Apta - Taloja	23-Jan-14	09.06		Continued.	Erection of new tower.
220KV	Chinchwad - Chakan	23-Jan-14	09.28	23-Jan-14	19.01	Repl.of old insulator string.
220KV	Karad Mudsingi-II	23-Jan-14	09.39	23-Jan-14	17.45	Repl.of old insulator string.
220KV	Pedambe - Adlab	23-Jan-14	09.20	23-Jan-14	16.00	Hot Spot attending work.
220KV	Bhigwan-Kurkum	23-Jan-14	09.30	23-Jan-14	16.55	Repl of faulty insulator disc.
220KV	Theur - Jejuri	23-Jan-14	21.35	24-Jan-14	11.02	Dist.Prot.
220KV	Babaleshwar - Ranjangaon	23-Jan-14	06.08	23-Jan-14	22.51	To Control BBLSR ICT Loading.
220KV	Halkarni-Mahalaxmi	23-Jan-14	08.45	23-Jan-14	18.35	Insulator Repl.work.
220KV	Girwali - Parbhani	23-Jan-14	14.13	23-Jan-14	16.31	Attending red hot.
220KV	Butibori-Abhijeet ckt.	23-Jan-14	10.05	23-Jan-14	14.13	Tan delta measurement and 220KV CT maint.
220KV	Khaparkheda-Kawlewada-I	23-Jan-14	09.55	23-Jan-14	19.12	Repl of EW.
220KV	Temghar-Colourchem	24-Jan-14	09.06	24-Jan-14	12.02	Tan delta measurement.
220KV	Jejuri-Jejuri-II	24-Jan-14	11.06	24-Jan-14	18.28	Repl.of CT under Jaica-2.
220KV	Kalwa-Mulund-I	24-Jan-14	14.43	24-Jan-14	18.23	Hot Spot attending work.
220KV	Halkarni-Mahalaxmi	24-Jan-14	08.46	24-Jan-14	17.13	Insulator cleaning work.
220KV	Mudshungi - Chikodi	24-Jan-14	13.40	24-Jan-14	20.18	Insulator replacement.
220KV	Hinganghat - Rly TSS - I	24-Jan-14	11.36	24-Jan-14	13.42	Repl.of B-Ph LA.
220KV	Khaparkheda-Kawlewada-I	24-Jan-14	09.41	24-Jan-14	16.19	Repl.of EW.
220KV	Kandalgaon - Topworth	25-Jan-14	02.32	25-Jan-14	21.55	Y-Ph CT Burst,Bus Bar Optd.
220KV	Padgha-Jambhul-I	25-Jan-14	8.32	25-Jan-14	14.53	old dis insu.string by polymer insu.at rly.crossing
220KV	Theur - Flagship	25-Jan-14	9.18	25-Jan-14	15.07	jumpering at dead end tower for one ckt
220KV	Ghodbhunder - Gorai	25-Jan-14	9.37	25-Jan-14	17.24	annual maintance & kite thread removal
220KV	Lote - N.Koyna	25-Jan-14	14.10	25-Jan-14	18.55	replacement of r ph damaged jumper