

State Load Despatch Center, Airoli (MSETCL) Statement I
Daily system Report for 04/Apr/2022 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSPGCL	Daily	Monthly	E) InterState Exchanges	Daily	Monthly
1) Thermal	176.680	656.130	1) Gujrat	-3.737	-19.053
2) Hydro	37.094	111.226	2) Madhya Pradesh	12.262	43.770
3) Gas	6.692	26.862	3) Chattisgarh	5.560	21.230
Total MSPGCL	220.466	794.218	4) Maharashtra	174.491	674.974
B) 1) APLM	71.310	297.029	5) Goa (Amona)	-1.907	-6.933
2) JSWEL	13.411	66.933	Total	186.669	713.988
3) VIPL	0.000	0.000	a) Mumbai Schedule	30.406	116.432
4) RPL(AMT)	27.111	112.902	b) Mumbai Drawl	34.400	126.408
5) SWPGPL	9.238	33.539	c) MSEDCL Bilateral *	69.416	287.392
6) Other IPP	33.675	140.987	Include PX	0.000	0.000
7) PGPL	0.000	0.000	d) Mumbai Bilateral *	30.406	116.432
C) 1) TPCL Thermal	15.065	58.645	Include PX	0.000	0.000
2) TPCL Hydro	3.036	7.949	Standby	0.000	0.000
3) TPCL Gas	2.445	9.559	H) ENERGY CATERED (MUs)		
4) AEML Thermal	11.991	44.699	1) MSEDCL	535.117	2088.560
D) STATE			2) Mumbai Discoms	66.937	247.262
1) Thermal (A1+C1+C4+(B1-B6))	358.481	1410.864	3) Other Discoms	9.055	35.130
2) Hydro (A2+C2)	40.130	119.175	TOTAL STATE	611.109	2370.952
3) Gas (A3+B7+C3)	9.137	36.421			
4) Wind	6.568	54.003			
6) SOLAR	10.124	36.499			
TOTAL STATE	424.440	1656.962			

* 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 15 Hrs	C. Evening Peak at 20 Hrs	D. Night Minimum at 8 Hrs
MSPGCL Thermal	7333	7138	7539	7474
MSPGCL Hydro	1091	1798	1900	1195
MSPGCL Gas	267	267	270	282
MSPGCL Total Generation	8691	9203	9709	8951
Central Sector Receipt	9935	9854	6292	7427
WIND	200	202	270	172
CPP / IPP Thermal	6205	6281	6609	5912
CPP / IPP Gas	0	0	0	0
SOLAR	1312	1223	0	204
Exchange with Mumbai	-1906	-1898	-1318	-1231
MSEDCL DEMAND MET	24154	24571	21260	21179
Load Shedding	0	0	0	0
MSEDCL DEMAND	24154	24571	21260	21179
TPCL GENERATION	912	870	1160	623
AEML GENERATION	493	498	501	500
MUMBAI DEMAND	3311	3266	2979	2354
OTHER DISCOM DEMAND	410	422	427	383
STATE DEMAND MET	27875	28259	24666	23916
STATE DEMAND	27875	28259	24666	23916
Frequency (Hz)	49.99	49.84	49.81	50.04

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.4 Hz
50.17 Hz at 08.02 Hrs	49.58 Hz at 19.15 Hrs	49.94	0 % of Time(min)

Note : The report is based on Operational Data and is for statistical purpose only.

Daily and Progressive Generation,Maximum,Minimum for 04/Apr/2022

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Koradi				
Unit 6	2.98	6.69	210	0
Unit 7	0.00	0.00	0	0
Unit 8	13.71	54.56	598	555
Unit 9	13.56	53.52	605	470
Unit 10	9.58	38.98	460	345
Total	39.85	153.76		
Bhusawal				
Unit 3	0.00	0.00	0	0
Unit 4	10.27	41.78	475	390
Unit 5	10.08	41.38	455	385
Total	20.34	83.16		
Parli				
Unit 6	4.89	20.82	223	168
Unit 7	4.81	13.00	216	176
Unit 8	3.45	13.98	160	134
Total	13.15	47.80		
Chandrapur				
Unit 3	4.53	17.98	193	180
Unit 4	4.08	16.20	174	165
Unit 5	8.93	34.51	385	365
Unit 6	9.69	11.60	435	357
Unit 7	9.35	33.36	405	348
Unit 8	10.78	40.16	471	415
Unit 9	10.27	40.80	438	411
Total	57.64	194.60		
Paras				
Unit 3	5.79	22.91	252	220
Unit 4	4.70	20.92	239	0
Total	10.49	43.84		
Khaparkheda				
Unit 1	3.62	13.14	160	130
Unit 2	3.62	13.68	160	140
Unit 3	4.18	16.00	193	140
Unit 4	4.32	16.06	187	150
Unit 5	11.26	44.98	480	450
Total	27.00	103.88		
Nasik				
Unit 3	4.21	12.78	193	142
Unit 4	4.00	16.31	191	117
Unit 5	0.00	0.00	0	0
Total	8.20	29.10		
Uran				
All Units	6.69	26.86	293	267
Total	6.69	26.86		
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)	0.14	0.56	34	0
Total	0.14	0.56		
Koyna				

Generating unit	Generation			
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)
Stage 1-2	7.74	22.60	535	60
Stage 4	15.83	42.48	1005	0
Stage 3	5.44	14.22	320	142
Total	29.00	79.30		
Hydro				
KDPH	0.86	3.46	36	36
VTRNA	0.84	2.50	60	0
TILLARI	0.52	2.09	58	0
BHIRA T.R.	0.05	0.54	30	0
SMLHY_PTN	5.68	22.78	249	224
GHATGHAR	0.00	0.00	0	0
Total	7.95	31.37		
Wind				
Total	6.57	54.00	0	0
Total	6.57	54.00		
CPP				
APML(Mus)	71.31	297.03	0	0
JSWEL(Mus)	13.41	66.93	0	0
VIPL(Mus)	0.00	0.00	0	0
RPLAMT-Mus	27.11	112.90	0	0
SWPGPL-Mus	9.24	33.54	0	0
Other(Mus)	33.68	140.99	0	0
Total	154.74	651.39		
SOLAR				
Total	10.12	36.50	0	0
Total	10.12	36.50		
Tata				
Trombay 5	10.11	40.37	481	308
Trombay 6	0.00	0.00	0	0
Trombay 7A	1.35	5.28	66	52
Trombay 7B	1.10	4.28	52	43
TATA Hydro	3.04	7.95	384	0
Trombay 8	4.95	18.28	242	132
Total	20.55	76.15		
AEML				
DTPS U-1&2	11.99	44.70	502	493
Total	11.99	44.70		

* Infirm Power			Summary			Summary		
Particulars	Daily (Mus)	Monthly	Particulars	Daily (Mus)	Monthly (Mus)	Particulars	Daily (Mus)	Monthly (Mus)
			MSPGCL Thermal	176.68	656.13	MSPGCL Total	220.47	794.22
			MSPGCL Thml+Gas	183.37	682.99	Koyna 1,2 & 4 Total	23.57	65.08
			MSPGCL Hydro	37.09	111.23	State Total	424.44	1656.96

State Load Despatch Center,Airoli (MSETCL)

Hourly Load Data As on 04/Apr/2022

Annexure-2

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP		SOLAR	CS SHARE	CS RECPT	Mum. NET EXCH.	MSEDC L DEM. MET	LOAD SHED DING	MSEDC L DEM. WITH LS	MUMBAI DEMAN D	OTHER DISCOM DEMAN D	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS			THM	GAS											
1	7240	1417	281	8938	577	6697	0	0	6702	6755	-1172	21485	0	21485	2536	310	24331	49.92
2	7234	1372	292	8898	462	6650	0	0	6733	6786	-1136	21372	0	21372	2352	288	24012	49.99
3	7228	1871	282	9381	231	6184	0	0	6731	7246	-1155	21603	0	21603	2194	284	24081	49.97
4	7246	2075	283	9604	117	6046	0	0	6866	7269	-1047	21719	0	21719	2091	270	24080	49.98
5	7280	1985	282	9547	113	6074	0	0	7576	7313	-991	21770	0	21770	2069	286	24125	49.98
6	7310	2133	293	9736	135	6068	0	0	7420	7651	-976	22295	0	22295	2164	319	24778	49.96
7	7388	2068	293	9749	142	6061	0	19	7611	7452	-1069	22022	0	22022	2238	332	24592	49.96
8	7474	1195	282	8951	172	6039	0	204	7612	7427	-1231	21179	0	21179	2354	383	23916	50.04
9	7479	765	292	8536	226	6114	0	568	7842	7858	-1501	21399	0	21399	2650	402	24451	50.03
10	7506	1027	270	8803	227	6215	0	919	8325	8435	-1654	22528	0	22528	2981	417	25926	49.96
11	7513	1237	279	9029	213	6352	0	1264	9335	9367	-1784	24021	0	24021	3209	420	27650	49.99
12	7333	1091	267	8691	200	6332	0	1312	10194	9935	-1906	24154	0	24154	3311	410	27875	49.99
13	7133	1160	267	8560	167	6471	0	1463	9844	9691	-1895	24059	0	24059	3294	398	27751	49.96
14	7155	1322	267	8744	160	6418	0	1392	9520	9745	-1815	24261	0	24261	3197	383	27841	50.01
15	7138	1798	267	9203	202	6409	0	1223	9744	9854	-1898	24571	0	24571	3266	422	28259	49.84
16	7221	1839	287	9347	290	6436	0	950	9783	9652	-1864	24392	0	24392	3295	419	28106	49.90
17	7386	1880	268	9534	452	6473	0	582	8623	8476	-1788	23296	0	23296	3243	433	26972	49.87
18	7394	1484	269	9147	458	6556	0	215	7756	7330	-1597	21668	0	21668	3140	441	25249	49.95
19	7462	905	279	8646	289	6641	0	13	6978	6739	-1354	20519	0	20519	3004	455	23978	49.88
20	7539	1900	270	9709	270	6734	0	0	6514	6292	-1318	21260	0	21260	2979	427	24666	49.81
21	7505	1580	280	9365	385	6808	0	0	6242	5927	-1248	20833	0	20833	2911	404	24148	49.98
22	7542	1240	281	9063	377	6917	0	0	6269	6236	-1288	20901	0	20901	2826	404	24131	49.90
23	7508	1717	281	9506	401	6902	0	0	6522	6640	-1385	21683	0	21683	2814	381	24878	49.86
24	7466	2032	280	9778	302	7148	0	0	6477	6594	-1328	22127	0	22127	2819	367	25313	49.81
MUs	176.68	37.09	6.69	220.47	6.57	154.74	0.00	10.12	187.22	186.67	-34.40	535.12	0.00	535.12	66.94	9.06	611.11	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 04/Apr/2022

Position as on 6.30 Hrs of 05/Apr/2022

Generating Company	Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE								
MSPGCL	Koradi Unit 6	210	02/04/2022	00:59	04/04/2022	07:02	condenser vaccum work and esp repairing work.	
MSPGCL	Koyana Unit 4	70	03/04/2022	13:10		Continued.	Maintenance work	03/04/2022
FORCED OUTAGE								
IPP	SWPGPL U-1	135	16/02/2016	17.09		Continued.	No PPA.	
PGPL	PGPL U1	262	07/02/2017	17.30		Continued.	No Schedule (NO PPA)	
PGPL	PGPL U2	126	07/02/2017	17.30		Continued.	No Schedule.(NO PPA)	
IPP	IEPL Unit 1	270	28/08/2018	21.26		Continued.	No PPA	
IPP	VIPL U-1	300	29/12/2018	00.30		Continued.	Coal Shortage. (NO PPA From 20.05.2019)	
IPP	VIPL U-2	300	17/01/2019	00.15		Continued.	Coal shortage.(NO PPA From 20.05.2019)	
CENT.SECTOR	Tarapur 1	160	08/01/2020	10:37		Continued.	Refueling. While refueling preparation, some repair works identified which are being executed before refueling.	31/03/2023
MSPGCL	Uran Unit 7	108	25/05/2020	12.51		Continued.	Turbine Blade Failure	
CENT.SECTOR	Tarapur 2	160	13/07/2020	04:38		Continued.	For cleaning of clogged basket strainer of cooling water system due to heavy ingress of debris from sea. The outage extended for repair and re-fueling.	31/03/2023
MSPGCL	Koradi Unit 7	210	27/04/2021	20.03		Continued.	Retired (04/08/2021 At 00.00)	
MSPGCL	Ghatghar Unit-1	125	17/02/2022	21:55		Continued.	SFC HEAVY FAULT	
MSPGCL	Ghatghar Unit-2	125	11/03/2022	01:25		Continued.	TRIPPED ON SFC HEAVY FAULT WHILE TAKING ON PUMPING MODE.(PUMPING TRIAL CARRIED OUT SUCCESSFULLY FROM 20:35HRS TO 22:35HRS DT.10/03/22)	
IPP	JSW (J) U1	300	16/03/2022	23:16		Continued.	Turbine Vibration	
MSPGCL	Bhusawal Unit 3	210	20/03/2022	07:00		Continued.	Coal Shortage	
MSPGCL	Nasik Unit 5	210	22/03/2022	23:40		Continued.	Withdrawn	
MSPGCL	Uran Unit B0	120	01/04/2022	19:02		Continued.	Filter Replacement work(Converted on gas shortage from 00:00 hrs of dt.03.04.2022)	
MSPGCL	Uran Unit 8	108	01/04/2022	19:21		Continued.	Filter Replacement work.(Converted on gas shortage from 00:00 hrs of dt.03.04.2022)	
IPP	RPL(AMT) U-4	270	02/04/2022	15:30	04/04/2022	16:58	Bottom ash problem	
IPP	Adani U-3	660	04/04/2022	02:13	04/04/2022	08:01	Rotor Earth Fault	
MSPGCL	Paras Unit 4	250	04/04/2022	12:03		Continued.	Boiler Tube Leakage	
MSPGCL	Parli Unit 6	250	05/04/2022	05:29		Continued.	Drum level low	

State Load Despatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 05/Apr/2022

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							
DHULE - SSNNL CKT - 2	InterState	04/04/2022	11:58	04/04/2022	18:20	PO	Replacement of damaged earthwire, replacement of PID suspicious disc insulator strings and other routine maintenance work. 400kV SSNNL Ckt-1 A/R switch will be kept on non auto mode.
400KV NANDED(KUMBHARGAON)-PARLY CKT 2	InterState	04/04/2022	21:11	05/04/2022	03:11	T	TRIPPED ON DIST. PROTN
AURANGABAD(MS) - PUNE (GIS) CKT - 2	IntraState	29/03/2022	13:28			T	HT FOR LOAD MANAGEMENT
BABHALESHWAR - RPL(NSK) CKT - 1	IntraState	02/04/2022	12:00			T	TRIPPED ON DIST. PROTN
NEW KOYNA-KARAD CKT - 2	IntraState	04/04/2022	09:36	04/04/2022	18:36	PO	C.B. Overhauling work Shitting on TBC
CHANDRAPUR 2 - KUMBHARGAON(NANDED) CKT - 2	IntraState	04/04/2022	21:11	05/04/2022	03:17	T	TRIPPED ON DIST. PROTN
NEW KOYNA - DABHOL CKT - 2	IntraState	05/04/2022	04:55	05/04/2022	05:51	T	TRIPPED ON O/V
400 KV ICT Outages/Trippings							
400/220KV 105 MVA SPARE ICT @ KARAD	IntraState	23/03/2022	10:14			EO	Spare ICT -1 will be taken into service through RRS in place of ICT-I R ph unit due to rising trend of various gases in iCT-I R ph unit
400/220/33 KV 315MVA ICT - 3 @ KARAD	IntraState	04/04/2022	07:20	04/04/2022	17:20	PO	For Bushing, Winding Tan Delta, Replacement of TSR, and Pre-Monsoon Maintenance.
400/220/33 KV 315 MVA ICT - 1 @ CHANDRAPUR	IntraState	04/04/2022	07:51			PO	1) For replacement of old REF relay & 86 master trip relays under MTAMC project. 2) Maintenance and alignments of PG-1, PG-2, PG-3 Isolators and CB Isolators. 3) Servicing & maintenance of CTR make N2 injection fire protection and prevention system. 4) Applying of fire retardant cable coating to various control cables of ICT-1
400/220/33 KV 500MVA ICT - 3 @ NAGOTHANE	IntraState	04/04/2022	13:58	04/04/2022	18:03	PO	For attending Oil leakage of R-ph Unit.
400 KV BUSBAR Outages/Trippings							
400 KV BUSBAR SCHEME (ZIV MAKE) @KORADI	IntraState	04/04/2022	16:23	04/04/2022	17:32	PO	Incorporating of 400KV Numerical Busbar Protection Scheme in MTAMC SCADA with IEC61850 protocol under MTAMC Project.
220 KV LINE Outages/Trippings							
MULUND - GIS BHANDUP	IntraState	29/01/2022	15:44			T	cABLE FAULT
GOREGAON - AAREY CKT - 1	IntraState	31/03/2022	10:50			PO	Under MMRC Line Diversion scheme for Metro-3 project, 220kV Outdoor termination at 220kV AEML Aarey and
AEML BORIVALI - TPC BORIVALI LINE	IntraState	31/03/2022	11:18			PO	For shifting on 220 KV NEW GIS
SALSETTE BORIVLI - 1	IntraState	31/03/2022	11:44			PO	for shifting on NEW GIS
TROMBAY - MULUND	IntraState	02/04/2022	08:58			PO	For replacement of existing conductor by HTLS conductor in BARC area.
JEJURI-LONAND	IntraState	02/04/2022	10:09	04/04/2022	16:47	PO	Attending tap changer problem of 20 MVA T/F at ISMT Jejuri SS end after work , FOR ISOLATOR CLOSING AT 220KV ISMT END outage require.

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 05/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
EKLAHARE (GCR) - GHATGHAR	IntraState	02/04/2022	12:29			PO	Samruddhi Highway Monopole work, 13 No's (4 In line) All cut points , 4.28 km Stretch , Erection ,Stringing of new conductor and de stringing of old earth wire and conductor.
EKLAHARE (GCR) - AIROLI KNOW PARK	IntraState	02/04/2022	12:51			PO	Samruddhi Highway Monopole work, 13 No's (4 In line) All cut points , 4.28 km Stretch , Erection ,Stringing of new conductor and de stringing of old earth wire and conductor.
GOREGAON - VERSOVA CKT - 1	IntraState	02/04/2022	17:30	04/04/2022	13:05	EO	Attending of DC earth fault observed in trip circuit-1 of the line.
NIWALI - PAWAS LINE	IntraState	04/04/2022	09:40	04/04/2022	17:11	PO	For cold washing of line insulator strings from loc no. 1 to 40(Niwali LILO)
NAGOTHANE - WADKHAL (GIS) CKT-1	IntraState	04/04/2022	11:19	04/04/2022	15:50	PO	Replacement of existing suspension polymer insulator at creek crossing locations, other routine maintenance work.
BIDRI - SAWANTWADI	IntraState	04/04/2022	12:21	04/04/2022	16:07	PO	For cleaning of line insulators.
KURKUMBH - RELIANCE RETAIL LIMITED (RIL)	IntraState	04/04/2022	15:40	04/04/2022	21:25	PO	REPLACEMENT OF ICT 1 BUS SIDE ISOLATOR.
NAGOTHANE - WADKHAL (GIS) CKT-2	IntraState	04/04/2022	16:00	04/04/2022	19:50	PO	Replacement of existing suspension polymer insulator at creek crossing locations, other routine maintenance work.
NIWALI - PAWAS LINE	IntraState	05/04/2022	08:41			PO	For cold washing of line insulator strings from loc no. 1 to 40(Niwali LILO)
MALHARPETH SATARA MIDC	IntraState	05/04/2022	10:00			PO	Annual relay testing & replacement of R-Ph CT due to higher tan delta
220 KV ICT Outages/Trippings							
220 / 110 / 22kV 250 MVA ICT 1 @ SALSETTE	IntraState	12/10/2020	11:35			T	Tripped due to Grid disturbance.
220/22 KV 50 MVA PTR 1 @ KANDALGAON	IntraState	14/12/2021	16:55			EO	For dismantling said 50MVA T/f 1 at 220 kV K'gaon S/s
220/132 KV 200 MVA ICT 3 @ BABHLESHWAR	IntraState	20/12/2021	22:45			T	Tripped on Differential protection and Declare faulty
220/132 KV 100 MVA ICT 1 @ LONIKAND 2	IntraState	01/03/2022	18:17			T	Differential Protection
220/22 KV 50 MVA PTR 1 @ PADGHE	IntraState	25/03/2022	11:32			PO	1.Retrofitting of 86M Relay, BO/BI LVCT/PT connection to BCU under MTAMC work. 2.Arresting oil leakage from Top cover of Body by replacing all gaskets at site by opening /dismantling of accessories & installation of DM of 50MVA BHEL make Tf. 3.After complete work oil filtration & vacuum cycle will be done by pursuing/injecting N2 gas .
220 / 110 / 33kV 315 MVA ICT 6 @ CARNAC	IntraState	03/04/2022	11:00			PO	FOR SHIFTING ON NEW 110 KV GIS
220/110 KV 200 MVA ICT - 2 @ ICHALKARANJI - II	IntraState	04/04/2022	09:03	04/04/2022	16:55	PO	1)Quarterly bay maintenance work 2) Bay diagnostic testing work

State Load Despatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 04/Apr/2022

Statement-VII

Position as on 6.30 Hrs of 05/Apr/2022

Name of Line	Inter State / Intra State	Tripped Date	Tripped Time	Sync. Date	Sync. Time	Outage Type	Reason of Outage
220/132-110/11KV 200MVA VID ICT 1 @ MIRAJ	IntraState	04/04/2022	09:37	04/04/2022	16:13	PO	Quarterly maintenance work
220/33KV 50MVA PTR 1 @ 5 STAR MIDC, KAGAL	IntraState	04/04/2022	10:30			PO	for HV CB overhauling work on dt. 04.04.2022 at 220 kV Five Star MIDC S/Stn.
220/132KV 200MVA ICT 1 @ KURKUMBH	IntraState	04/04/2022	15:35			PO	REPLACEMENT OF 29(A) BUS ISOLATOR
110 KV LINE Outages/Trippings							
WAGHIVALI - MANKHURD	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfting these lines on new Multicircuit Towers between Darave to Vashi.
WAGHIVALI - CHEMBUR	IntraState	04/02/2022	10:30			PO	Construction of 400KV M/C Kharghar-Vikhroli Transmission line along with Dismantling, De-Stringining of existing 110KV Waghivali-Mankhurd and Waghivali-Chembur lines and shfting these lines on new Multicircuit Towers between Darave to Vashi.

HT : Hand Tripping, T : Tripping, PO : Planned Outage, EO : Emergency Outage