



***Maharashtra State Electricity Transmission
Company Ltd.***

State Load Dispatch Center, Airoli

Daily system Report

for

09/Jan/2015

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 09/Jan/2015 FRIDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	127.070	1092.825	1) Gujrat	-0.012	-10.257
2) Hydro	4.785	57.900	2) Madhya Pradesh	13.048	113.908
3) Gas	6.893	77.680	3) Chattisgarh	5.820	44.050
Total MSGENCO	138.748	1228.405	4) Maharashtra Net	81.546	685.634
B) 1) JSW JAIGAD	18.808	178.442	(Incl. 765kV Solapur-Raichur)	-9.449	-99.188
2) WPCL	2.769	20.021	5) Goa	-6.550	-56.405
3) ADANI	43.130	383.530	6) TAPS 1&2 Injection	2.447	22.518
4) Other CPP / IPP	23.452	207.494	7) RGPPL Injection	0.000	0.000
5) Wind Generation	6.949	41.043	8) Pench (Excess)	-0.516	-4.879
6) PENCH (MS)	0.516	4.879	# Total Cent. Sector	95.783	794.569
7) SOLAR	1.251	7.953	F) Other Exchanges		
C) 1) TPCL Thermal	9.155	92.156	1) With TPCL (Excess)	-27.421	-227.017
2) TPCL Hydro	5.321	35.798	G) Bilateral Power *		
TOTAL TPCL	14.476	127.954	1) MSEDCL Bilateral	18.991	162.951
3) REL Thermal	5.605	59.648	Include PX	-6.106	-55.307
D) STATE			2) MUMBAI Bilateral	23.302	188.053
1) Thermal (A1+C1+C3)	141.830	1244.629	Include PX	4.742	24.870
2) Hydro (A2+B6+C2)	10.622	98.577	3) MUMBAI Schedule	23.545	190.129
3) Gas (A3)	6.893	77.680	H) ENERGY CATERED (MUs)		
4) Wind (B5)	6.949	41.043	1) MSEDCL	303.985	2639.319
5) CPP/IPP (B1+B2+B3+B4)	88.159	789.487	2) TPCL	29.134	256.070
6) SOLAR (B7)	1.251	7.953	3) REL	18.368	158.545
TOTAL STATE	255.704	2259.369	TOTAL STATE	351.487	3053.934

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 11 Hrs	B. Evening Peak at 16 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	5352	5617	4946
MSGENCO Hydro	417	107	98
MSGENCO Gas	275	270	305
MSGENCO Total Generation	6044	5994	5349
Central Sector Receipt	5489	5332	2202
WIND	338	52	378
CPP / IPP	3913	3606	3496
SOLAR	142	132	0
Exchange with Mumbai	-1346	-1301	-741
MSEDCL DEMAND MET	14604	13842	10694
Load Shedding	61	65	56
MSEDCL DEMAND	14665	13907	10750
TPCL GENERATION	851	784	351
R-INFRA GENERATION	263	263	195
TPCL+R-INFRA DEMAND	2460	2348	1287
STATE DEMAND MET	17064	16190	11981
STATE DEMAND	17125	16255	12037
Frequency (Hz)	49.91	49.96	50.02

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.29 Hz at 18:02 Hrs	49.74 Hz at 18:53 Hrs	49.95	0 % of Time(min)

* Displayed for information, not added in total. # Total Cent. Sector includes MSEDCL and TPCL bilateral power.

State Load Dispatch Center, Airoli (MSETCL)

Daily and Progressive Generation, Maximum, Minimum, OLC Details for 09/Jan/2015

Generating unit	Generation				OLC (MW)	Generating unit	Generation				OLC (MW)	
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)			Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)		
Koradi						Total	2.22	31.74			1090	
Unit 5	0.00	0.00	0	0	0	Hydro						
Unit 6	3.90	33.58	173	150	150	KDPH	0.00	1.93	0	0	0	
Unit 7	3.88	33.59	170	155	160	VTRNA	0.00	0.00	0	0	0	
Total	7.78	67.17			310	TILLARI	0.38	3.26	64	0	63	
Bhusawal						BHTGR/VEER	0.10	0.84	5	4	4	
Unit 2	0.00	0.00	0	0	0	BHIRA T.R.	0.44	1.80	80	0	80	
Unit 3	3.60	14.90	165	115	138	RNGR+BHTSA	0.36	3.15	16	15	15	
Unit 4	8.07	78.80	365	320	325	BHANDARDRA	0.00	0.00	0	0	0	
Unit 5	8.64	77.88	495	325	330	ELDARY	0.00	0.00	0	0	0	
Total	20.32	171.58			793	SMLHY_PTN	0.74	8.74	38	27	10	
Parli						GHATGHAR	0.55	6.44	125	0	0	
Unit 3	0.00	0.00	0	0	0	Total	2.57	26.16			172	
Unit 4	2.10	2.10	149	0	0	Wind						
Unit 5	3.65	35.42	158	146	150	MalharPeth	0.09	0.78				
Unit 6	5.02	43.55	250	196	190	Vankuswadi	0.16	1.48				
Unit 7	4.78	43.06	212	184	190	ATIT	0.02	0.16				
Total	15.56	124.12			530	Kale	0.12	0.56				
Chandrapur						Satara	3.18	20.46				
Unit 1	0.00	0.00	0	0	0	Shirala	0.17	0.78				
Unit 2	2.99	28.41	129	122	140	K Mahankal	0.02	0.12				
Unit 3	3.94	28.86	177	76	190	Supa	0.07	0.41				
Unit 4	4.16	37.25	195	156	200	Vita	1.08	6.92				
Unit 5	8.78	76.52	375	344	450	Dondaicha	0.98	4.75				
Unit 6	8.54	70.32	375	335	450	Sakri	0.14	0.58				
Unit 7	8.69	74.01	372	351	450	Nandurbar	0.41	1.65				
Total	37.10	315.37			1880	Khandke	0.33	1.66				
Paras						Khaparale	0.19	0.75				
Unit 3	3.86	39.48	206	0	182	Total	6.95	41.04				
Unit 4	4.64	41.44	201	180	182	CPP						
Total	8.50	80.91			364	JSW_JAIGAD	18.81	178.44	934	721	854	
Khaparkheda						WARDHA	2.77	20.02	121	113	115	
Unit 1	3.86	34.86	175	150	180	Adani	43.13	383.53	2130	1660	2468	
Unit 2	3.46	33.17	160	125	180	Other_CPPs	23.45	207.49			745	
Unit 3	4.29	39.10	201	165	210	Total	88.16	789.49			4182	
Unit 4	3.99	38.79	209	0	210	SOLAR						
Unit 5	9.31	86.18	455	366	500	Total	1.25	7.95				
Total	24.91	232.10			1280	Total	1.25	7.95				
Nasik						Tata						
Unit 3	4.32	37.54	205	170	200	Trombay 4	0.00	0.00	0	0	0	
Unit 4	4.22	37.44	196	164	190	Trombay 5	0.00	21.75	0	0	0	
Unit 5	4.36	26.59	195	173	190	Trombay 6	3.59	23.28	151	148	500	
Total	12.89	101.57			580	Trombay 7A	0.00	0.00	0	0	0	
Uran						Trombay 7B	0.00	0.00	0	0	0	
All Units	6.89	77.68	306	270	300	Trombay 8	5.57	47.13	252	199	250	
Total	6.89	77.68			300	TATA Hydro	5.32	35.80	471	0	447	
PENCH (MS)						Total	14.48	127.95			1197	
Pench (MS)	0.52	4.88	27	10	0	REL						
Total	0.52	4.88			0	1&2	5.60	59.65	263	195	250	
Koyna						Total	5.60	59.65			250	
Stage 1-2	1.97	22.92	260	40	600	Cent Sect						
Stage 4	0.08	3.07	83	0	250	Share					5458	
Stage 3	0.16	5.75	90	0	240	Total					5458	
Koyna 12&4 Total	2.05	25.99			850	MS PG CL						
							Thermal	127.07	1092.82			5737
							Thml+Gas	133.96	1170.50			6037
							Hydro	4.78	57.90			1262
							Total	138.75	1228.40			7299
							State Total	255.70	2259.37			18386

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 09/Jan/2015

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	SOLAR	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEM. MET	LOAD SHEDDING	MSEDCL DEM. WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS														
1	4946	88	305	5339	346	3487	0	3029	2471	-769	-930	10738	89	10827	1474	12301	49.97
2	4961	88	305	5354	398	3544	0	2543	2314	-746	-791	10839	56	10895	1337	12232	49.99
3	4946	98	305	5349	378	3496	0	2470	2202	-720	-741	10694	56	10750	1287	12037	50.02
4	4923	108	305	5336	405	3492	0	2480	2307	-720	-713	10847	56	10903	1258	12161	49.97
5	5029	87	306	5422	468	3581	0	2491	2341	-720	-730	11109	59	11168	1275	12443	49.95
6	5135	97	302	5534	542	3526	0	3447	3395	-753	-865	12152	72	12224	1412	13636	49.98
7	5152	147	297	5596	608	3548	1	4322	4557	-671	-1012	13308	91	13399	1617	15016	49.90
8	5304	217	298	5819	619	3882	12	4901	4653	-704	-896	14109	91	14200	1784	15984	49.79
9	5401	127	293	5821	523	4211	57	5288	5202	-966	-1107	14731	87	14818	1990	16808	49.94
10	5359	221	283	5863	468	4090	127	5485	5376	-1156	-1220	14728	67	14795	2298	17093	49.83
11	5352	417	275	6044	338	3913	142	5373	5489	-1267	-1346	14604	61	14665	2460	17125	49.91
12	5440	560	273	6273	194	3700	180	5306	5496	-1293	-1334	14533	65	14598	2461	17059	49.84
13	5663	260	272	6195	101	3701	185	5170	5481	-1249	-1323	14365	134	14499	2457	16956	49.93
14	5667	342	270	6279	55	3742	161	5060	4762	-1168	-1294	13720	78	13798	2324	16122	50.00
15	5664	315	270	6249	39	3674	161	5141	4868	-1157	-1367	13644	74	13718	2337	16055	49.95
16	5617	107	270	5994	52	3606	132	5293	5332	-1150	-1301	13842	65	13907	2348	16255	49.96
17	5423	97	272	5792	62	3542	83	5007	5032	-1103	-1368	13170	64	13234	2370	15604	49.96
18	5366	92	280	5738	90	3598	10	4276	4081	-1030	-1446	12083	71	12154	2348	14502	50.01
19	5377	212	282	5871	155	3541	0	4712	4487	-1124	-1422	12659	69	12728	2416	15144	49.96
20	5390	237	284	5911	127	3619	0	4575	4558	-1163	-1316	12926	68	12994	2444	15438	49.95
21	5384	472	284	6140	138	3638	0	3555	3606	-1100	-1315	12232	67	12299	2260	14559	50.01
22	5299	222	284	5805	204	3848	0	2859	2775	-948	-1259	11398	67	11465	2077	13542	50.01
23	5217	87	288	5592	306	3672	0	2875	2422	-1032	-1219	10799	67	10866	1817	12683	49.95
24	5055	87	290	5432	333	3508	0	2451	2576	-837	-1106	10755	62	10817	1651	12468	50.03
MUs	127.07	4.78	6.89	138.75	6.95	88.16	1.25	98.11	95.78	-23.54	-27.42	303.98	1.74	305.72	47.50	353.22	49.95

NOTE : ALL VALUES IN MW

Mumbai Sch./Net Exch is shown with reference to MSETCL System. (+) indicates Mum. to MSETCL and (-) indicates MSETCL to Mum. Mumbai Schedule is calculated for MSETCL periphery (taking 4% loss for import & 4.85% MSETCL loss # Without Applying Load Diversity Factor

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 09/Jan/2015

Position as on 6.30 Hrs of 10/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Parli Unit 3	210	13/02/2013	23.50		Continued.	Water Shortage	
Koyna Unit 11	80	23/09/2014	02.30		Continued.	Stator Earth Fault	
Cent_Sect Tarapur 1	160	12/10/2014	22.39		Continued.	Refuelling work.(60Days)	
Hydro GhatgharU2	125	23/12/2014	08.30		Continued.	Annual Overhaul	
Tata Trombay 5	500	03/01/2015	20.30		Continued.	Annual Maintenance	
FORCED OUTAGE							
Dabhol 1B	230	28/05/2013	22.02		Continued.	Gas shortage.	
Dabhol 3A	230	06/06/2013	08.28		Continued.	Gas Shortage	
Dabhol 2A	230	06/06/2013	09.10		Continued.	Gas Shortage	
Dabhol 1X	290	27/06/2013	21.46		Continued.	Gas Shortage	
Dabhol 1A	230	27/06/2013	21.47		Continued.	Gas Shortage	
Dabhol 2X	290	15/07/2013	15.09		Continued.	Gas Shortage	
Dabhol 2B	230	08/08/2013	15.03		Continued.	Gas Shortage	
Dabhol 3X	290	29/12/2013	05.47		Continued.	Gas Shortage	
Dabhol 3B	230	29/12/2013	06.14		Continued.	Gas Shortage	
CPP WPCL U-2	135	18/02/2014	00.02		Continued.	Ash Conveying problem	
CPP Dhariwal	300	28/05/2014	02.27		Continued.	PA Fan Vibration Problem. (U-1).	
Koradi Unit 5	200	17/06/2014	11.53		Continued.	economic shutdown	
Chandrapur Unit 1	210	28/08/2014	07.15		Continued.	economic shutdown	
Bhusawal Unit 2	210	13/09/2014	12.43		Continued.	Economic shutdown	
Parli Unit 4	210	13/10/2014	10.49	09/01/2015	06.24	Coal Shortage.	
CPP WPCL U-1	135	30/10/2014	00.43		Continued.	ESP Bag Filter Damaged	
CPP IPL U-2	270	30/10/2014	16.16		Continued.	Gen.Diff.Protection operated	
Tata Trombay 7B	60	11/12/2014	20.39		Continued.	Mandatory Gas Path Inspection.	
Tata Trombay 7A	120	11/12/2014	21.51		Continued.	Mandatory Gas Path Inspection.	
Cent_Sect TARAPUR-4	540	19/12/2014	19.04		Continued.	W/Dn.	
CPP WPCL U-3	135	25/12/2014	14.02		Continued.	ID Fan Problem.	
Uran Unit 7	108	28/12/2014	04.49		Continued.	Gas Shortage.	
CPP JSW (J) U2	300	02/01/2015	20.51		Continued.	W/Dn.	
REL 2	250	04/01/2015	01.55		Continued.	Stator E/F.	
CPP Adani U-4	660	04/01/2015	03.24		Continued.	MOV Leakage	
Uran Unit 6	108	05/01/2015	18.07	10/01/2015	02.03	Gas Shortage.	
Paras Unit 3	250	08/01/2015	20.10	09/01/2015	03.35	Drum level high	

State Load Dispatch Center, Airoli (MSETCL)
Details of Generating Unit Outages/Trippings for 09/Jan/2015

Position as on 6.30 Hrs of 10/Jan/2015

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
Khaparkheda Unit 4	210	09/01/2015	22.03		Continued.	Turbine mainatnce work	
Chandrapur Unit 3	210	09/01/2015	23.38		Continued.	BTR	
Uran Unit A0	120	10/01/2015	02.35	10/01/2015	06.26	water pump prob.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jan/2015

Position as on 6.30 Hrs of 10/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Tarapur - Borivali	21/11/2014	14.51		Continued.	Mumbai Strengthening work.
Vasai-Boiser(PG)	09/01/2015	12.56		Continued.	hot spot
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Dhule-Sar'Sarovar - II	08/01/2015	20.01	09/01/2015	08.50	over voltage
Kolhapur-Mapusa-II	09/01/2015	16.37		Continued.	over voltage
Dhule-Sar'Sarovar - I	09/01/2015	17.37	10/01/2015	05.53	over voltage
Voltage Level : 400KV			Outage Type TRIPPED		
Dabhol-Nagothane-II	13/12/2014	00.00		Continued.	Over Voltage
Karad - Solapur (PGCIL)	09/01/2015	17.47		Continued.	distance protection
Voltage Level : 220KV			Outage Type TRIPPED		
Nasik-Navsari-I	09/01/2015	10.04		Continued.	distance protection
IntraState					
Voltage Level : 500KV			Outage Type PLANNED OUTAGE		
HVDC Pole II Padgha	09/01/2015	22.21	10/01/2015	03.37	maintance work
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV 500 MVA ICT - I @ Warora	23/11/2014	08.10		Continued.	Leakage in Nitrogen Cylinder of B Ph CTR System.
400/220 KV 105 MVA Spare ICT @ Akola.	06/01/2015	09.50		Continued.	Oil Filtration of Main Tank & OLTC Due to Rise in Water Content.
400/220KV,315 MVA ICT-I at New Koyna.	09/01/2015	09.32	09/01/2015	19.05	maintance work
400/220kv 315 mva ict-1 @Giravali	09/01/2015	09.36	09/01/2015	21.12	Replacement work
Deepnagar-Tapitatanda	09/01/2015	10.20	09/01/2015	18.18	hot spot
400/220KV 315 MVA ICT-I @ Padgha	09/01/2015	10.27	09/01/2015	19.11	Replacement work
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Ghodbandar - Bhoisor (MSETCL)	25/11/2014	11.36		Continued.	Erection & Stringing Work.
TBC @ 400 KV Parli-II	07/01/2015	15.48		Continued.	Shifting of CR Panel from 220KV Girawali C/R to 400KV C/R.
Padghe - Jindal	08/01/2015	10.19	09/01/2015	21.15	overhauling work
220/132KV, 200MVA ICT-1@Boiser	09/01/2015	08.15	10/01/2015	00.26	maintance work
Mudsingi-Karad II	09/01/2015	09.23	09/01/2015	18.46	Replacement work
Padgha-Jambhul-I	09/01/2015	10.02	09/01/2015	15.56	R.M.WORK
Uran-Kharghar-I	09/01/2015	10.12	09/01/2015	18.43	hot spot
Kalwa - Bapgaon	09/01/2015	12.05	09/01/2015	18.32	maintance work
Padgha - Nalasopara	09/01/2015	13.00		Continued.	shift load of nalasopara on boiser pg
Padgha-Vasai	09/01/2015	13.12		Continued.	maintance work
Chalisgaon - Malegaon	09/01/2015	17.05	09/01/2015	19.36	Relay testing & bay maintance work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Bableshwar-Taptitanda I	05/01/2015	17.06		Continued.	Over Voltage.
Karad - Kolhapur - I	08/01/2015	16.06	09/01/2015	07.17	over voltage
Karad-Jaigad I	08/01/2015	16.39	09/01/2015	07.24	over voltage
Bhusawal- Aurangabad	08/01/2015	17.11	09/01/2015	07.12	over voltage

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 09/Jan/2015

Position as on 6.30 Hrs of 10/Jan/2015

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Lonikand-Stage4	08/01/2015	21.11	09/01/2015	06.44	over voltage
Karad-Kolhapur-II	09/01/2015	16.28		Continued.	over voltage
Karad-Jaigad II	09/01/2015	16.38		Continued.	over voltage
Bhusawal- Aurangabad	09/01/2015	17.09		Continued.	over voltage
Lonikand- Koyna Stage IV	09/01/2015	20.39	10/01/2015	06.32	over voltage
Voltage Level : 220KV		Outage Type HAND TRIPPED			
JEUR-Tembhurni	31/12/2014	21.28		Continued.	For sefety due to fire on ICT.
Babaleshwar - Alephata	06/01/2015	17.15		Continued.	To Control ICT Loading.
Voltage Level : 400KV		Outage Type TRIPPED			
765KV Koradi-III -- Tiroda - II	24/12/2014	15.38		Continued.	Distance Protection
New Koyna - Dabhol - I	02/01/2015	03.02		Continued.	Over Voltage.
Karad-Kolhapur-II	09/01/2015	04.01	09/01/2015	07.24	over voltage
Voltage Level : 220KV		Outage Type TRIPPED			
220/110KV 200MVA ICT-III at Borivali	21/09/2014	09.16		Continued.	monkey fault
220/132KV 100 MVA,ICT-I at Jeur	31/12/2014	21.28		Continued.	Diff.Prot.Optd.
Bus Section @ Sonkar	09/01/2015	07.20	09/01/2015	07.40	distance protection
Sonkhar-Trombay	09/01/2015	07.20	09/01/2015	07.50	distance protection

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 10/Jan/2015

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	64
Unit 5	200	0	BHTGR/VEER	21	5
Unit 6	210	160	BHIRA T.R.	80	80
Unit 7	210	160	RNGR+BHTSA	20	15
	620	320	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	0	SMLHY_PTN	12	9
Unit 3	210	160	GHATGHAR	250	0
Unit 4	500	330		611	173
Unit 5	500	330	Wind		
	1420	820	MalharPeth	0	
Parli			Vankuswadi	0	
Unit 3	210	0	ATIT	0	
Unit 4	210	145	Kale	0	
Unit 5	210	155	Satara	0	
Unit 6	250	200	Shirala	0	
Unit 7	250	200	K Mahankal	0	
	1130	700	Supa	0	
Chandrapur			Vita	0	
Unit 1	210	0	Dondaicha	0	
Unit 2	210	130	Sakri	0	
Unit 3	210	0	Nandurbar	0	
Unit 4	210	200	Khandke	0	
Unit 5	500	450	Khaparale	0	
Unit 6	500	400		0	
Unit 7	500	450	CPP		
	2340	1630	JSW_JAIGAD	1200	854
Paras			WARDHA	405	115
Unit 3	250	200	Adani	2640	2468
Unit 4	250	200	Other_CPPs	300	745
	500	400		4545	4182
Khaparkheda			SOLAR		
Unit 1	210	180	Total	0	
Unit 2	210	180		0	
Unit 3	210	210	Tata		
Unit 4	210	0	Trombay 4	150	0
Unit 5	500	500	Trombay 5	500	0
	1340	1070	Trombay 6	500	500
Nasik			Trombay 7A	120	0
Unit 3	210	200	Trombay 7B	60	0
Unit 4	210	190	Trombay 8	250	250
Unit 5	210	190	TATA Hydro	444	447
	630	580		2024	1197
Uran			REL		
All Units	852	300	1&2	500	250
	852	300		500	250
PENCH (MS)			Cent Sect		
Pench (MS)	53		Share	3455	5439
	53			3455	5439
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	240			
	1920	1090			
Hydro					
KDPH	40	0			
VTRNA	60	0			