



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

State Load Dispatch Center, Airoli

Daily system Report

for

30/Oct/2012

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 30/Oct/2012 TUESDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	99.050	3152.513	1) Gujrat	10.540	342.595
2) Hydro	12.606	319.733	2) Madhya Pradesh	18.096	566.338
3) Gas	7.734	277.942	3) Chattisgarh	12.620	375.082
Total MSGENCO	119.390	3750.188	4) Maharashtra	65.081	1856.845
B) 1) JSW JAIGAD	28.977	818.884	5) Goa	-6.514	-183.752
2) WPCL	8.764	245.142	6) TAPS 1&2 Injection	3.725	129.014
3) ADANI	9.550	256.280	7) RGPPL Injection	13.570	427.329
4) Other CPP / IPP	8.584	209.233	8) Pench (Excess)	-1.199	-24.101
5) Wind Generation	10.276	133.111	# Total Cent. Sector	115.919	3489.350
6) PENCH (MS)	1.199	24.101	F) Other Exchanges		
C) TPCL & REL			1) With TPCL (Excess)	-10.750	-349.665
1) TPCL Thermal	29.744	855.315	G) Bilateral Power *		
2) TPCL Hydro	4.035	117.669	1) MSEDCL Bilateral	46.972	1345.768
TOTAL TPCL	33.779	972.984	Include PX	7.513	88.065
3) REL Thermal	12.619	376.010	2) MUMBAI Bilateral	15.959	404.502
D) STATE			Include PX	3.238	74.275
1) Thermal (A1+C1+C3)	141.413	4383.838	3) MUMBAI Schedule	15.959	404.502
2) Hydro (A2+B5+C2)	17.840	461.503	H) ENERGY CATERED (MUs)		
3) Gas (A3)	7.734	277.942	1) MSEDCL	291.909	8576.624
4) Wind (B4)	10.276	133.111	2) TPCL	38.241	1135.618
5) CPP (B1+B2+B3)	55.875	1282.809	3) REL	18.905	563.014
TOTAL STATE	233.138	6539.203	TOTAL STATE	349.055	10275.256

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 17 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3964	4063	4330
MSGENCO Hydro	945	450	66
MSGENCO Gas	213	296	462
MSGENCO Total Generation	5122	4809	4858
Central Sector Receipt	5577	5526	4092
WIND	622	563	146
CPP / IPP	2333	2317	2333
Exchange with Mumbai	-627	-661	-164
MSEDCL DEMAND MET	13077	12604	11315
Load Shedding	856	735	201
MSEDCL DEMAND	13933	13339	11516
TPCL GENERATION	1722	1618	1102
R-INFRA GENERATION	525	524	526
TPCL+R-INFRA DEMAND	2874	2803	1792
STATE DEMAND MET	15951	15407	13107
STATE DEMAND	16807	16142	13308
Frequency (Hz)	49.88	49.80	49.95

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.38 Hz at 18.45 Hrs	49.54 Hz at 07.21 Hrs	49.94	0 % of Time(min)

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

Shift Engineer

Shift Incharge

State Load Dispatch Center, Airoli (MSETCL)

Daily and Progressive Generation, Maximum, Minimum, OLC Details for 30/Oct/2012

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	10.90	252.58			1170
Unit 5	0.00	0.00	0	0	0	Hydro					
Unit 6	3.38	76.11	150	130	135	KDPH	0.00	0.19	0	0	0
Unit 7	3.53	74.56	170	125	126	VTRNA	0.00	0.24	0	0	0
Total	6.92	150.66			261	TILLARI	0.25	6.46	60	0	60
Bhusawal						BHTGR/VEER	0.03	3.71	2	1	1
Unit 2	0.00	50.78	0	0	0	BHIRA T.R.	0.31	7.44	80	0	80
Unit 3	3.56	100.56	155	140	150	RNGR+BHTSA	0.37	9.76	16	15	15
Unit 4	0.00	131.87	0	0		BHANDARDRA	0.00	8.83	0	0	0
Unit 5	0.00	0.00	0	0		ELDARY	0.00	0.00	0	0	0
Total	3.56	283.22			150	SMLHY_PTN	0.30	13.21	18	9	9
Parli						GHATGHAR	0.44	17.32	125	0	
Unit 3	2.91	94.18	132	112	122	Total	1.70	67.15			165
Unit 4	3.44	86.31	166	123	145	Wind					
Unit 5	0.00	0.00	0	0	0	MalharPeth	0.51	9.01			
Unit 6	3.83	123.85	181	119	165	Vankuswadi	1.11	15.48			
Unit 7	3.85	104.79	187	101	158	ATIT	0.13	3.44			
Total	14.03	409.13			590	Kale	0.37	5.03			
Chandrapur						Satara	0.32	18.46			
Unit 1	3.49	100.07	152	126	160	Shirala	0.39	5.40			
Unit 2	3.04	98.17	150	112	120	K Mahankal	2.34	14.41			
Unit 3	4.54	118.52	198	182	200	Supa	0.14	2.10			
Unit 4	4.16	103.13	185	144	160	Vita	1.63	26.02			
Unit 5	3.46	199.95	355	0	325	Dondaicha	1.85	19.05			
Unit 6	10.86	264.60	490	420	400	Sakri	0.20	2.46			
Unit 7	8.77	249.30	400	324	375	Nandurbar	0.13	1.72			
Total	38.33	1133.74			1740	Khandke	0.48	5.82			
Paras						Khaparale	0.68	4.72			
Unit 3	5.74	140.87	254	223	250	Total	10.28	133.11			
Unit 4	6.01	122.27	266	232	250	CPP					
Total	11.74	263.13			500	JSW_JAIGAD	28.98	818.88	1208	1206	1100
Khaparkheda						WARDHA	8.76	245.14	367	362	365
Unit 1	3.73	100.38	180	130	150	Adani	9.55	256.28	400	390	
Unit 2	2.46	73.10	160	0	150	Other_CPPs	8.58	209.23			
Unit 3	4.40	116.88	194	178	170	Total	55.88	1529.54			1465
Unit 4	4.31	115.33	189	167	170	Tata					
Unit 5	0.00	175.57	0	0	0	Trombay 4	0.00	0.00	0	0	0
Total	14.89	581.26			640	Trombay 5	11.98	341.79	504	461	500
Nasik						Trombay 6	8.00	214.77	501	156	500
Unit 3	4.39	118.84	200	125	200	Trombay 7A	2.93	83.32	126	117	120
Unit 4	4.20	92.13	190	156	180	Trombay 7B	1.64	46.65	70	67	60
Unit 5	0.99	120.39	191	0	0	Trombay 8	5.20	168.78	253	136	250
Total	9.59	331.36			380	TATA Hydro	4.04	117.67	306	0	318
Uran						Total	33.78	972.98			1748
All Units	7.73	277.94	467	110	450	REL					
Total	7.73	277.94			450	1&2	12.62	376.01	528	524	500
PENCH (MS)						Total	12.62	376.01			500
Pench (MS)	1.20	24.10	50	49		Cent Sect					
Total	1.20	24.10				Share					5149
Koyna						Total					5149
Stage 1-2	4.34	102.65	550	40	600	MS PG CL					
Stage 4	4.60	103.82	684	0	250	Thermal	99.05	3152.51			4261
Stage 3	1.96	46.11	320	0	320	Thml+Gas	106.78	3430.46			4711
Koyna 12&4 Total	8.94	206.48			850	Hydro	12.61	319.73			1335
						Total	119.39	3750.19			6046
						State Total	233.14	6539.20			14908

State Load Dispatch Center, Airoli (MSETCL)

Hourly Load Data As on 30/Oct/2012

TIME SR. NO.	MSPGCL GEN.			TOTAL	WIND	CPP / IPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	LOAD SHEDDING	MSEDCL DEMAND WITH LS	TPCL + R -INFRA DEMAND	STATE DEMAND	FREQ. (Hz)
	THM	HY	GAS													
1	4166	340	459	4965	163	2332	4538	4519	-596	-426	11603	136	11739	2117	13856	49.94
2	4232	230	461	4923	149	2336	4449	4265	-507	-296	11427	186	11613	1912	13525	49.91
3	4330	66	462	4858	146	2333	4454	4092	-507	-164	11315	201	11516	1792	13308	49.95
4	4373	71	467	4911	164	2327	4456	4234	-507	-84	11602	218	11820	1716	13536	50.06
5	4409	66	464	4939	196	2333	4453	4302	-507	-60	11760	248	12008	1686	13694	49.95
6	4329	76	405	4810	212	2334	4723	4618	-507	-117	11907	401	12308	1751	14059	49.85
7	4250	646	110	5006	274	2330	4707	4636	-507	-197	12099	788	12887	1827	14714	49.82
8	4216	1370	148	5734	247	2331	4580	4485	-415	-237	12610	782	13392	1922	15314	49.86
9	4283	1254	193	5730	210	2334	5033	4849	-468	-309	12864	916	13780	2197	15977	49.86
10	4291	911	216	5418	350	2331	5103	4980	-543	-353	12776	906	13682	2561	16243	49.91
11	4339	772	217	5328	563	2340	5297	5315	-738	-538	13057	776	13833	2801	16634	49.81
12	3964	945	213	5122	622	2333	5438	5577	-884	-627	13077	856	13933	2874	16807	49.88
13	4016	587	273	4876	562	2335	5427	5368	-876	-627	12564	956	13520	2873	16393	49.95
14	4049	482	273	4804	612	2336	5383	5475	-834	-576	12701	816	13517	2749	16266	50.04
15	4035	741	284	5060	640	2326	5452	5637	-917	-723	12990	731	13721	2793	16514	49.98
16	4042	812	291	5145	565	2319	5472	5502	-916	-715	12866	715	13581	2793	16374	49.91
17	4063	450	296	4809	563	2317	5447	5526	-787	-661	12604	735	13339	2803	16142	49.80
18	4026	524	302	4852	491	2323	4899	4706	-757	-618	11804	666	12470	2764	15234	49.91
19	3933	1189	307	5429	556	2328	5019	4909	-761	-686	12586	388	12974	2836	15810	50.04
20	3879	726	333	4938	576	2326	5008	4866	-734	-634	12122	375	12497	2796	15293	50.06
21	3947	119	327	4393	640	2316	5133	4798	-664	-531	11666	228	11894	2645	14539	50.06
22	3934	73	358	4365	584	2311	5166	4577	-670	-530	11357	94	11451	2453	13904	50.08
23	3956	73	430	4459	594	2323	4900	4426	-686	-564	11288	63	11351	2323	13674	49.98
24	3988	83	445	4516	597	2321	4623	4259	-674	-477	11266	58	11324	2164	13488	50.05
MUs	99.05	12.61	7.73	119.39	10.28	55.88	119.16	115.92	-15.96	-10.75	291.91	12.24	304.15	57.15	361.30	49.94

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 30/Oct/2012

Position as on 6.30 Hrs of 31/Oct/2012

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Cent_Sect Tarapur 1	80	16/07/2012	22.15		Continued.	Refueling work.	
Parli Unit 5	210	06/09/2012	04.20		Continued.	Flame failure, converted to C.O.H from 15.09.2012(intimated on	29/10/2012
Koradi Unit 5	200	16/09/2012	04.23		Continued.	Low Bunkering, Converted to C O H from 20/09/2012.	
FORCED OUTAGE							
Tata TATA Hydro	444	05/09/2012	03:30		Continued.	BHIRA (BPSU-150MW)Unit tripped due to stator winding fault.	31/12/2012
Dabhol 2B	230	18/09/2012	18.42		Continued.	Gas shortage.	
Bhusawal Unit 5	500	29/09/2012	23.17		Continued.	B.T.G. & D.O.P. Work.	
Dabhol 2X	290	02/10/2012	07.15		Continued.	Gas Shortage.	
Dabhol 2A	230	02/10/2012	07.16		Continued.	Gas Shortage.	
Dabhol 1B	230	09/10/2012	13.56		Continued.	Gas Shortage.	
CPP WPCL U-2	135	17/10/2012	00.23		Continued.	Bottom ash problem.	
Bhusawal Unit 2	210	19/10/2012	22.22		Continued.	ID Fan Problem	
Khaparkheda Unit 2	210	24/10/2012	07.45	30/10/2012	00.17	BLR T/L.	
Uran Unit B0	120	26/10/2012	13.22	30/10/2012	22.36	Gas Shortage	
Uran Unit 7	108	26/10/2012	13.26		Continued.	Gas Shortage	
Bhusawal Unit 4	500	29/10/2012	17.59		Continued.	Class A Protection Operated.	
Khaparkheda Unit 5	500	29/10/2012	23.22		Continued.	CHP Problem.	
Nasik Unit 5	210	30/10/2012	05.25		Continued.	Boiler Trip.	02/11/2012
Uran Unit 8	108	30/10/2012	05.59	30/10/2012	19.50	B Ph.Breaker Pole Burst, Bus Bar Protection Operated in Bus-1.	
Uran Unit 5	108	30/10/2012	05.59	30/10/2012	07.39	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.	
Uran Unit A0	120	30/10/2012	05.59	30/10/2012	09.47	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.	
Khaparkheda Unit 2	210	30/10/2012	07.40	30/10/2012	10.05	Drum Level High.	
Chandrapur Unit 5	500	30/10/2012	10.58		Continued.	Main Oil Tank Level Low.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 30/Oct/2012

Position as on 6.30 Hrs of 31/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
Akola - Aurangabad - I	30/10/2012	12.20	30/10/2012	17.04	To attend red hot spot.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Kolhapur-Solapur(PGCIL)-I	27/10/2012	13.18		Continued.	Bus Isolator heavy sparking observed
Kolhapur - Mapusa - II	29/10/2012	16.29	30/10/2012	09.35	Over Voltage.
Kolhapur - Mapusa - I	30/10/2012	16.36		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Wardha - Deoli (PGCIL)	26/10/2012	14.05		Continued.	Hand Tripped
IntraState					
Voltage Level : 400KV			Outage Type PLANNED OUTAGE		
400/220 KV Spare ICT @ Babaleshwar	05/07/2012	10.38		Continued.	Maintenance work.
400/220KV,200MVA Spare ICT at Kalwa.	22/08/2012	09.57		Continued.	Replacement of Isolator
400/220 KV 500 MVA ICT - II at Khaparkheda	26/10/2012	10.20	30/10/2012	19.10	Erection of New C.B. and Testing
400/220 KV 315 MVA ICT-II @ Kharghar	30/10/2012	08.45	30/10/2012	18.19	Attending Hot Spot.
C'pur-Parli II	30/10/2012	09.40		Continued.	Taken on TBC,Hot Spot.
Dabhol - New Koyna - I	30/10/2012	11.40	30/10/2012	17.52	Maintenance work,at Dabhol end.
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
220/132 KV 100 MVA ICT II at Girvali	14/04/2012	12:05		Continued.	Augumentation by 200 MVA ICT.
Kalwa - Khargar	19/10/2012	08.55		Continued.	Mumbai Strengthing work
Mahape - Siemens	19/10/2012	10.09		Continued.	Mumbai Strengthing work
Lonand - Bothe (Surwadi)	27/10/2012	10.02		Continued.	220KV Peripheral unit Configuration
Chandrapur-Gadchandur	28/10/2012	09.17		Continued.	For Erection of 4 Inline Towers upto 31.10.2012.
Padgha-Temghar I	29/10/2012	09.50		Continued.	C B Overhauling Work.
Abhijeet - Wardha ckt - II	29/10/2012	10.16	30/10/2012	14.11	R & Y Ph. CT Repl.Work.(Under LES)
Babaleshwar - Chalisgaon	30/10/2012	08.55	30/10/2012	17.00	Stringing of conductor of 400KV India Bull crossing.
Pophali - Pedambe - II	30/10/2012	09.05	30/10/2012	12.20	Hot spot.on wave trap.
220/132 KV 200 MVA ICT - I @ Nasik OCR	30/10/2012	09.20	30/10/2012	13.07	HV CT Repl.work.
Mudshingi - Karad - II	30/10/2012	09.25	30/10/2012	16.37	Jumper repl.work.
Main Bus @ Miraj	30/10/2012	09.30	30/10/2012	16.57	Q.M.Work and hot spot attending.
220/100 KV 100 MVA T/F - IV @ Kandalgaon	30/10/2012	11.45	30/10/2012	18.13	OLTC Oil repl.work.
Karad-Oglewadi-I	30/10/2012	12.16	30/10/2012	17.21	Bus outage at Oglewadi.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Bhugaon	30/10/2012	10.00	30/10/2012	17.57	Erection of Bus Isolator,CB on Main Bus of 132KV Pulgaon Ckt I.
Voltage Level : 400KV			Outage Type HAND TRIPPED		
400/220 KV 100 MVA Spare Unit @ Koradi	12/07/2012	07.11		Continued.	Main Buchholz protection operated.
Deepnagar-Aurangabad-I	21/10/2012	02.45	30/10/2012	11.30	Due to Carrier Failed.
Khadka - Deepnagar - II	22/10/2012	21.51		Continued.	Over Voltage.

State Load Dispatch Center, Airoli (MSETCL)
Details of Line outages/Trippings for 30/Oct/2012

Position as on 6.30 Hrs of 31/Oct/2012

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
Karad - Kolhapur - I	27/10/2012	17.34		Continued.	Over Voltage
Bhusawal- Aurangabad	27/10/2012	19.04	30/10/2012	11.09	Over Voltage
Bableshwar-Aurangabad	30/10/2012	11.55	30/10/2012	17.40	To avail outage on 400KV Bhilai-Koradi line.
Koradi-Khaparkheda-I	30/10/2012	12.50	30/10/2012	18.23	To control loading of 400KV Bhilai-Koradi line.
Koradi-Khaparkheda II	30/10/2012	12.50	30/10/2012	18.30	To control loading of 400KV Bhilai-Koradi line.
Bhusawal- Aurangabad	30/10/2012	17.30		Continued.	Over Voltage.
Deepnagar-Aurangabad-I	30/10/2012	20.04		Continued.	Over Voltage.
Voltage Level : 220KV		Outage Type HAND TRIPPED			
Magarpatta - Sirum	21/07/2012	19.18		Continued.	To free TBC of Magarpatta.
Aurangabad - Bhenda	30/10/2012	11.36	30/10/2012	17.29	To avail outage on 400KV A'bad-Akola l.
Voltage Level : 132KV		Outage Type HAND TRIPPED			
Kanhan - Mouda	30/10/2012	13.25		Continued.	For Outage work.
Bhandara-Mouda	30/10/2012	13.38		Continued.	For Outage work.
Voltage Level : 400KV		Outage Type TRIPPED			
400/220 KV 315 MVA ICT-II @ Dhule	04/08/2012	17.21		Continued.	B Ph. H V Side ICT-II Bushing Burst.
400/11.5KV 90 MVA STN T/F III @ 400KV C'PUR	25/09/2012	15.38		Continued.	Differential protection operated.
Karad - Kolhapur - II	31/10/2012	03.02		Continued.	Over Voltage.
Voltage Level : 220KV		Outage Type TRIPPED			
Theur - Magarpatta	30/10/2012	01.20	30/10/2012	13.11	Y Ph. L A Brust @ Theur.
Uran-Apta-II	30/10/2012	05.59	30/10/2012	07.12	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Apta-Uran-IV	30/10/2012	05.59	30/10/2012	07.12	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Uran - Kharghar	30/10/2012	05.59	30/10/2012	06.55	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Uran - JNPT	30/10/2012	05.59	30/10/2012	07.14	B Ph.Breaker Pole Burst of Unit-8, Bus Bar Protection Operated in Bus-1.
Voltage Level : 132KV		Outage Type TRIPPED			
132/11 KV 16 MVA T/F - I @ Nanded	07/10/2012	04.25		Continued.	Caught Fired.
Tiwsa-Talegaon Ckt.	24/10/2012	10.52		Continued.	B-Ph CT Burst.

State Load Dispatch Center, Airoli (MSETCL)

Details of On Line Capacity for 31/Oct/2012

Generating unit	Derated Capacity (MW)	OLC (MW)	Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi			TILLARI	60	60
Unit 5	200	0	BHTGR/VEER	21	2
Unit 6	210	145	BHIRA T.R.	80	80
Unit 7	210	145	RNGR+BHTSA	20	14
	620	290	BHANDARDRA	45	0
Bhusawal			ELDARY	23	0
Unit 2	210	0	SMLHY_PTIN	12	10
Unit 3	210	134	GHATGHAR	250	0
Unit 4	500	0		611	166
Unit 5	500	0			
	1420	134	Wind		
Parli			MalharPeth	0	
Unit 3	210	120	Vankuswadi	0	
Unit 4	210	130	ATIT	0	
Unit 5	210	0	Kale	0	
Unit 6	250	120	Satara	0	
Unit 7	250	123	Shirala	0	
	1130	493	K Mahankal	0	
Chandrapur			Supa	0	
Unit 1	210	160	Vita	0	
Unit 2	210	150	Dondaicha	0	
Unit 3	210	200	Sakri	0	
Unit 4	210	200	Nandurbar	0	
Unit 5	500	0	Khandke	0	
Unit 6	500	450	Khaparale	0	
Unit 7	500	400		0	
	2340	1560	CPP		
Paras			JSW_JAIGAD	600	825
Unit 3	250	250	WARDHA	405	365
Unit 4	250	250	Adani	660	
	500	500	Other_CPPs	0	
Khaparkheda				1665	1190
Unit 1	210	150	Tata		
Unit 2	210	150	Trombay 4	150	0
Unit 3	210	170	Trombay 5	500	500
Unit 4	210	170	Trombay 6	500	500
Unit 5	500	0	Trombay 7A	120	120
	1340	640	Trombay 7B	60	60
Nasik			Trombay 8	250	250
Unit 3	210	190	TATA Hydro	444	318
Unit 4	210	180		2024	1748
Unit 5	210	0	REL		
	630	370	1&2	500	500
Uran				500	500
All Units	852	450	Cent Sect		
	852	450	Share	3455	5160
PENCH (MS)				3455	5160
Pench (MS)	53				
	53				
Koyna					
Stage 1-2	600	600			
Stage 4	1000	250			
Stage 3	320	320			
	1920	1170			
Hydro					
KDPH	40	0			
VTRNA	60	0			