



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

State Load Dispatch Center, Airoli

Daily system Report

for

26/Sep/2011

State Load Dispatch Center, Airoli (MSETCL)
Daily system Report for 26/Sep/2011 MONDAY

I GENERATION (MUs)			II EXCHANGES (MUs)		
A) MSGENCO	Daily	Monthly	E) Central Sector	Daily	Monthly
1) Thermal	81.742	1602.323	1) Madhya Pradesh	26.370	1244.110
2) Hydro	33.779	625.203	2) Gujrat	56.202	1185.077
3) Gas	15.281	373.394	3) Goa	-6.370	-146.407
Total MSGENCO	130.802	2600.920	4) TAPS 1&2 (Inj.)	7.751	189.582
B) OTHERS			5) Pench (Excess)	-1.059	-21.667
1) RGPPL Gas	38.459	772.881	# Total Cent. Sector	82.894	2450.695
2) Wind Generation	5.148	318.529	F) Other Exchanges		
3) CPP	27.344	689.492	1) With TPCL (Excess)	-8.255	-282.458
4) PENCH (MS)	1.059	21.842	G) Bilateral Power *		
C) TPCL & REL			1) MSEDCL Bilateral	34.573	656.106
1) TPCL Thermal	29.569	633.826	Include PX	15.366	201.454
2) TPCL Hydro	4.494	123.097	2) MUMBAI Bilateral	10.749	313.118
TOTAL TPCL	34.063	756.923	Include PX	-1.469	9.954
3) REL Thermal	12.567	319.825	3) MUMBAI Schedule	10.749	313.118
D) STATE			H) ENERGY CATERED (MUs)		
1) Thermal (A1+C1+C3)	123.878	2555.974	1) MSEDCL	277.451	6571.901
2) Hydro (A2+B3+C2)	39.332	770.142	2) TPCL	36.587	906.385
3) Gas (A3+B1)	53.740	1146.275	3) REL	18.297	452.774
4) Wind (B2)	5.148	318.529	TOTAL STATE	332.335	7931.060
5) CPP (B3)	27.344	689.492			
TOTAL STATE	249.442	5480.412			

DETAILS OF MAHARASHTRA STATE PEAK DEMAND(MW)

PARTICULARS	A. Morning Peak at 12 Hrs	B. Evening Peak at 20 Hrs	C. Night Minimum at 3 Hrs
MSGENCO Thermal	3487	3324	3422
MSGENCO Hydro	1720	2171	799
MSGENCO Gas	640	635	645
MSGENCO Total Generation	5847	6130	4866
Central Sector Receipt	3927	3309	2955
RGPPL	1611	1615	1637
WIND	71	310	283
CPP	1160	1159	969
Exchange with Mumbai	-525	-379	-100
MSEDCL DEMAND MET	12136	12187	10655
Load Shedding (LS)	1274	870	298
MSEDCL DEMAND (INCL. LS)	13410	13057	10953
TPCL GENERATION	1790	1765	957
REL GENERATION	525	522	525
TPCL+REL DEMAND	2840	2666	1582
STATE DEMAND MET	14976	14853	12237
Load Management (LM)	1704	3014	1512
Total Load Relief (LS+LM)	2978	3884	1810
UNRESTRICTED STATE DEMAND	17954	18737	14047
Frequency (Hz)	49.59	49.57	49.70

FREQUENCY PARTICULARS

MAXIMUM FREQ.	MINIMUM FREQ.	AVERAGE FREQ.	FREQ. BELOW 49.2 Hz
50.13 Hz at 19.55 Hrs	49.07 Hz at 22.23 Hrs	49.61	1.56 % 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 26/Sep/2011

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Koradi					
Unit 5	0.13	6.74	75	0	0
Unit 6	3.17	69.79	170	0	150
Unit 7	2.77	76.84	180	0	150
	6.07	153.38			300
Bhusawal					
Unit 2	0.00	0.00	0	0	0
Unit 3	3.22	55.50	180	0	175
Unit 4		0.00	0	0	
	3.22	55.50			175
Parli					
Unit 3	2.96	56.36	137	109	130
Unit 4	0.00	0.00	0	0	0
Unit 5	2.98	75.18	146	89	130
Unit 6	3.54	63.82	180	89	150
Unit 7	0.00	56.59	0	0	0
	9.48	251.96			410
Chandrapur					
Unit 1	2.79	51.83	149	30	90
Unit 2	3.27	61.47	139	130	130
Unit 3	4.25	53.80	185	165	170
Unit 4	0.00	0.00	0	0	0
Unit 5	8.06	161.96	420	290	315
Unit 6	7.54	149.54	380	280	315
Unit 7	5.74	124.27	335	0	315
	31.65	602.86			1335
Paras					
Unit 3	1.47	1.47	115	0	0
Unit 4	4.12	78.11	240	0	210
	5.58	79.58			210
Khaparkheda					
Unit 1	3.65	84.69	170	135	150
Unit 2	3.74	66.06	165	148	150
Unit 3	3.86	78.46	179	144	160
Unit 4	3.94	92.72	177	157	160
Unit 5		4.53	0	0	
	15.20	326.46			620
Nasik					
Unit 1		0.00	0	0	
Unit 2		0.00	0	0	
Unit 3	3.94	79.42	185	140	170
Unit 4	3.35	19.58	161	112	140
Unit 5	3.25	33.60	163	116	150
	10.54	132.59			460
Uran					
All Units	15.28	373.39	653	615	630
	15.28	373.39			630
Dabhol					
RGPPL	38.46	772.88	1639	1255	1590
	38.46	772.88			1590
Koyna					
Stage 1-2	9.06	137.28	565	80	600
Stage 4	17.56	260.24	1139	85	250
Stage 3	5.18	96.22	320	80	320
	31.80	493.74			1170
Kovna 12&4 Total	26.62	397.52			850

Generating unit	Generation				OLC (MW)
	Daily (Mus)	Monthly (Mus)	Max (MW)	Min (MW)	
Hydro					
KDPH	0.00	7.79	0	0	0
VTRNA	0.00	14.92	0	0	0
TILLARI	0.36	17.35	60	0	60
BHTGR/VEER	0.21	8.64	9	8	8
BHIRA T.R.	0.20	10.25	64	0	80
RNGR+BHTSA	0.40	11.15	17	16	17
BHANDARDRA	0.36	13.97	16	15	0
ELDARY	0.00	0.00	0	0	0
SMLHY PTN	0.45	27.78	28	15	11
GHATGHAR	0.00	19.62	0	0	
	1.98	131.46			176
PENCH (MS)					
Pench (MS)	1.06	21.84	45	40	
	1.06	21.84			
Wind					
MalharPeth	0.27	16.89			
Vankuswadi	0.36	30.18			
ATIT	0.05	5.04			
Kale	0.15	10.79			
Satara	0.11	45.51			
Shirala	0.14	11.07			
K Mahankal	0.48	20.89			
Supa	0.06	4.73			
Vita	0.36	56.05			
Dondaicha	2.20	67.04			
Sakri	0.32	11.81			
Nandurbar	0.24	6.47			
Khandke	0.19	21.42			
Khaparale	0.21	10.63			
	5.15	318.53			
CPP					
JSW JAIGAD	18.44	461.64	1001	581	810
WARDHA	6.22	157.36	263	254	260
Other CPPs	2.68	70.50			
	27.34	689.49			1070
Tata					
Trombay 4	0.00	0.00	0	0	0
Trombay 5	11.70	278.70	490	460	490
Trombay 6	9.02	142.82	505	155	500
Trombay 7A	2.59	74.38	123	81	120
Trombay 7B	1.50	41.34	68	56	60
Trombay 8	4.76	96.58	245	150	250
TATA Hydro	4.49	123.10	387	0	447
	34.06	756.92			1867
REL					
1&2	12.57	319.82	525	521	500
	12.57	319.82			500
Cent Sect					
Share					3222
					3222

MS PG CL	Thermal	81.74	1602.32			3510
	Thml+Gas	97.02	1975.72			4140
	Hydro	33.78	625.20			1346
	Total	130.80	2600.92			5486
State Total		249.44	5480.41			13735

State Load Dispatch Center,Airoli (MSETCL)

Hourly Load Data As on 26/Sep/2011

TIME SR. NO.	MSPGCL GEN.			TOTAL	RGPPL	WIND	CPP	CS SHARE	CS RECPT	Mum.S CH.	Mum. NET EXCH.	MSEDCL DEMAND MET	# LOAD RELEIF (LS+LM)	MSEDCL DEMAN D WITH LS	TPCL + REL DEMAND	STATE DEM. WITH LS+LM	FREQ. (Hz)
	THM	HY	GAS														
1	3362	745	647	4754	1637	354	971	2971	3476	-465	-275	10961	1807	11078	1824	14592	49.79
2	3448	729	648	4825	1639	311	966	2890	3310	-360	-159	10936	1700	11053	1656	14292	49.78
3	3422	799	645	4866	1637	283	969	2849	2955	-360	-100	10655	1810	10953	1582	14047	49.70
4	3422	690	650	4762	1636	280	1004	2829	3023	-360	-24	10726	1833	11043	1525	14084	49.70
5	3444	800	652	4896	1636	243	1037	2824	3020	-213	-4	10873	1874	11197	1513	14260	49.62
6	3544	1347	653	5544	1637	214	1049	2829	2704	-218	-108	11085	2122	11559	1619	14826	49.59
7	3101	1603	648	5352	1639	213	1088	3126	3604	-284	-233	11708	2714	12746	1752	16174	49.59
8	3212	942	650	4804	1604	131	958	3145	3868	-319	-318	11092	3107	12496	1931	16130	49.62
9	3202	1522	636	5360	1630	119	1150	3214	3827	-400	-455	11676	3082	13037	2228	16986	49.61
10	3172	1755	634	5561	1624	136	1165	3290	3775	-463	-462	11844	2923	13081	2576	17343	49.66
11	3432	1669	635	5736	1617	65	1130	3346	4018	-529	-507	12104	3016	13415	2785	17905	49.64
12	3487	1720	640	5847	1611	71	1160	3387	3927	-569	-525	12136	2978	13410	2840	17954	49.59
13	3438	1655	635	5728	1255	73	1171	3377	3779	-544	-509	11542	2997	12833	2826	17365	49.74
14	3416	1598	630	5644	1527	83	1171	3353	3805	-519	-454	11821	2888	13003	2717	17426	49.69
15	3582	1615	630	5827	1595	125	1166	3322	3884	-514	-551	12091	2968	13345	2748	17807	49.58
16	3599	1771	632	6002	1602	187	1167	3312	3577	-504	-466	12114	2912	13353	2759	17785	49.59
17	3547	1779	628	5954	1599	272	1164	3312	3565	-504	-421	12178	2742	13275	2732	17652	49.52
18	3562	1196	628	5386	1603	275	1194	3291	3468	-483	-399	11570	3138	12836	2674	17382	49.54
19	3425	1563	615	5603	1608	296	1210	3055	3465	-492	-409	11817	3865	12995	2639	18321	49.55
20	3324	2171	635	6130	1615	310	1159	3143	3309	-578	-379	12187	3884	13057	2666	18737	49.57
21	3329	2056	633	6018	1617	269	1230	3143	3262	-568	-329	12107	3566	12671	2547	18220	49.56
22	3370	1933	619	5922	1629	305	1350	3106	3059	-523	-424	11884	3274	12163	2392	17550	49.59
23	3458	1183	626	5267	1628	309	1342	3118	3100	-518	-430	11259	3176	11447	2257	16692	49.45
24	3444	938	632	5014	1634	224	1373	3063	3099	-462	-314	11070	2756	11162	2097	15923	49.45
MUs	81.74	33.78	15.28	130.80	38.46	5.15	27.34	75.30	82.88	-10.75	-8.26	277.44	67.13	297.21	54.88	399.45	49.61

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 26/Sep/2011

Position as on 6.30 Hrs of 27/Sep/2011

Name of Generating Unit	Capacity	Tripped Date	Tripped Time	Sync.Date	Sync. Time	Reason of Outage	Expected Date
PLANNED OUTAGE							
Chandrapur Unit 4	210	16/08/2011	00.04		Continued.	Annual Overhaul.	30/09/2011
Paras Unit 3	250	19/08/2011	16.33	26/09/2011	02.29	Annual Overhaul.	
Bhusawal Unit 2	210	22/08/2011	15.27		Continued.	AOH.	30/09/2011
Parli Unit 4	210	31/08/2011	01.07		Continued.	Annual Overhaul.	27/09/2011
Koradi Unit 5	200	03/09/2011	16.46	26/09/2011	20.45	I.D Fan problem. Mini Overhaul	
Dabhol 1B	230	05/09/2011	23.57		Continued.	Generator Inspection	15/10/2011
Cent_Sect NTPC(V-5)	210	14/09/2011	00.41		Continued.	Annual Overhaul.	10/10/2011
FORCED OUTAGE							
Cent_Sect NTPC(K-4)	500	08/09/2011	14.26		Continued.	Ash handling problem.	
Cent_Sect NTPC(K-5)	500	08/09/2011	14.52		Continued.	Ash handling problem.	
CPP WPCL U-2	135	11/09/2011	08.12		Continued.	Withdrawn	
Cent_Sect NTPC(K-7)	500	14/09/2011	21.37		Continued.	G/T problem.	
Cent_Sect NTPC(K-1)	210	18/09/2011	11.31		Continued.	Ash Handling Problem	
Cent_Sect NTPC(K-6)	500	18/09/2011	11.31		Continued.	Ash Handling Problem	
Cent_Sect NTPC (V-1)	210	24/09/2011	15.16		Continued.	Coal bunkering problem.	
Cent_Sect NTPC(V-3)	210	24/09/2011	16.45		Continued.	Coal bunkering problem.	
Parli Unit 7	250	24/09/2011	18.53		Continued.	Main steam temp.low.	
Cent_Sect NTPC(V-4)	210	24/09/2011	18.58		Continued.	Coal bunkering problem.	
Cent_Sect NTPC(V-7)	500	24/09/2011	22.21		Continued.	Poor bunkering.	
CPP JSW (J) U2	300	25/09/2011	14.52	26/09/2011	02.50	Governer Oil Leakage.	
Khaparkheda Unit 5	500	25/09/2011	22.15		Continued.	Drum Level Low.	
Paras Unit 3	250	26/09/2011	04.34	26/09/2011	07.18	Trip.	
Koradi Unit 6	210	26/09/2011	06.02	26/09/2011	09.16	While Shifting Unit-6 from Bus-II to Bus-I	
Koradi Unit 7	210	26/09/2011	06.02	26/09/2011	08.34	While Shifting Unit-6 from Bus-II to Bus-I	
Bhusawal Unit 3	210	26/09/2011	06.02	26/09/2011	08.58	Jerk Due to Koradi.	
Chandrapur Unit 7	500	26/09/2011	08.53	26/09/2011	13.40	Turbine Generator Problem.	
Paras Unit 4	250	26/09/2011	18.22	26/09/2011	21.51	Busbar Protection operated.	

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2011

Position as on 6.30 Hrs of 27/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronised Date	Synchronised Time	Reason of Outage
InterState					
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Wardha - I	23/09/2011	22.53		Continued.	Over Voltage
Akola - Aurangabad - I	24/09/2011	13.27		Continued.	Over Voltage.
Kolhapur-Mapusa-II	24/09/2011	23.02		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	25/09/2011	22.49	26/09/2011	09.37	Over Voltage.
Chandrapur-Bhadravti - I	26/09/2011	17.52		Continued.	Over Voltage.
Karad - Solapur (PGCIL)	26/09/2011	20.28		Continued.	Over Voltage.
Voltage Level : 400KV			Outage Type TRIPPED		
Koradi-Bhilai	26/09/2011	06.02	26/09/2011	07.07	While Shifting Unit-6 from Bus-II to Bus -I
Koradi-Satpur	26/09/2011	06.02	26/09/2011	07.52	While Shifting Unit-6 from Bus-II to Bus -I
IntraState					
Voltage Level : 220KV			Outage Type PLANNED OUTAGE		
Babaleshwar - Chalisgaon	15/12/2010	13.42		Continued.	Conversion of S/C to D/C(8 MonthOutage)
220/132 KV 100 MVA ICT-I @ Chikhli.	30/07/2011	11.45		Continued.	Replacement by 200 MVA ICT.Up to 30.09.2011.
220/132 KV 250 MVA ICT at Ambazari	05/08/2011	10.41		Continued.	ICT is to be replaced by 200 MVA ICT Upto 30.9.11.
220/33KV 125 MVA T/F 4 at Ghodbandar	25/09/2011	23.15		Continued.	Connecting 33KV Cable to Incomer Breaker.
Pedambe-Newkoyna	26/09/2011	08.34	26/09/2011	17.25	To Attend Red Hot Spot @ R Ph. Wave Trap & Bay Maint.Work.
Main Bus - II Talangde	26/09/2011	10.20		Continued.	Q.M.Work of Bus Coupler Bay,Repl.of B Ph. C T of Bus Coupler.
Mumwadi - Halkarni - II	26/09/2011	10.25	26/09/2011	14.51	Q.M.Work.
Kalwa I-Taloja	26/09/2011	13.35	26/09/2011	16.30	Maint.Work.
Mudshingi - Karad - IV	26/09/2011	14.33	26/09/2011	17.14	Q.M.Work.
Voltage Level : 132KV			Outage Type PLANNED OUTAGE		
Main Bus-I at Bhusawal-I	27/08/2011	13.08		Continued.	Bus and Line Isolator repl.work
Voltage Level : 400KV			Outage Type HAND TRIPPED		
Akola - Bhusawal	06/09/2011	23.00		Continued.	Over Voltage.
Bhusawal- Aurangabad	25/09/2011	20.45	26/09/2011	06.09	Over Voltage.
Bhusawal- Aurangabad	26/09/2011	21.27		Continued.	Over Voltage.
Voltage Level : 220KV			Outage Type HAND TRIPPED		
Bale-Osmanbad	22/09/2011	06.38		Continued.	Parli ICT Loading.
Voltage Level : 400KV			Outage Type TRIPPED		
400/220KV 105 MVA Spare ICT at Parly II	22/08/2011	13.50		Continued.	To Remove Trip Coil Assembly for Bus Coupler.
Koradi - Bhusawal	26/09/2011	06.02	26/09/2011	07.21	While Shifting Unit-6 from Bus-II to Bus -I
Koradi - Kaparkheda	26/09/2011	06.02	26/09/2011	07.41	While Shifting Unit-6 from Bus-II to Bus -I
400 KV Bus Coupler @ Koradi	26/09/2011	06.02		Continued.	Bus Bar Protection Operated,Outage Availd on 400KV Main Bus-II So Not Charged.
Koradi - Akola	26/09/2011	06.02	26/09/2011	06.42	While Shifting Unit-6 from Bus-II to Bus -I

State Load Dispatch Center,Airoli (MSETCL)
Details of Line outages/Trippings for 26/Sep/2011

Position as on 6.30 Hrs of 27/Sep/2011

Name of Line	Tripped Date	Tripped Time	Synchronise d Date	Synchronise d Time	Reason of Outage
400/220 KV 300 MVA ICT-I @ Koradi	26/09/2011	06.02	26/09/2011	07.03	While Shifting Unit-6 from Bus-II to Bus -I
400/220 KV 315 MVA ICT - II @ Koradi.	26/09/2011	06.02	26/09/2011	07.13	While Shifting Unit-6 from Bus-II to Bus -I
Main Bus - II @ Koradi	26/09/2011	06.02		Continued.	While Shifting Unit-6 from Bus-II to Bus -I(Outage Given @ 08.00 for Erection of Main Bus-II Pentagraph Isolator R,Y &B Ph.with Alignment Work fo New 400KV K'Kheda Bay.
Main Bus- I @ Koradi	26/09/2011	06.02	26/09/2011	06.42	While Shifting Unit-6 from Bus-II to Bus -I
Karad - Newkoyna - I	26/09/2011	07.01	26/09/2011	07.22	While Taking Karad-Solapur(PG)in Service
Voltage Level : 220KV			Outage Type TRIPPED		
New Paras TPS-Alola-II	26/09/2011	18.22	26/09/2011	18.42	Bus Bar Protection Operated While Testing of Station T/F @ Paras Ext End Only.
New Paras TPS - Chikhali - II	26/09/2011	18.22	26/09/2011	18.45	Bus Bar Protection Opeared While Testing of Station T/F,Ckt Tripped @ Paras Ext End Only.
Main Bus- I @ New Paras TPS	26/09/2011	18.22	26/09/2011	18.38	Bus Bar Protection Opeared While Testing of Station T/F.
Bus Coupler at New Paras TPS	26/09/2011	18.22	26/09/2011	18.38	Bus Bar Protection Opeared While Testing of Station T/F.
220/16.5 KV 315 MVA GT @ New Paras TPS	26/09/2011	18.22	26/09/2011	21.51	Bus Bar Protection Opeared While Testing of Station T/F.
Voltage Level : 132KV			Outage Type TRIPPED		
Bhusawal - Jalgaon - II	26/09/2011	12.22	26/09/2011	12.28	Distance Protection Operated.
Bhusawal - Jalgaon - II	26/09/2011	13.28	26/09/2011	17.23	Distance Protection Opeated,B Ph to Netural Fault,Fault Occured Due to Burning of Surgarcane.

State Load Dispatch Center,Airoli (MSETCL)

Details of On Line Capacity for 27/Sep/2011

Generating unit	Derated Capacity (MW)	OLC (MW)
Koradi		
Unit 5	200	100
Unit 6	210	130
Unit 7	210	140
	620	370
Bhusawal		
Unit 2	210	0
Unit 3	210	150
Unit 4	0	
	420	150
Parli		
Unit 3	210	130
Unit 4	210	0
Unit 5	210	130
Unit 6	250	150
Unit 7	250	0
	1130	410
Chandrapur		
Unit 1	210	140
Unit 2	210	130
Unit 3	210	170
Unit 4	210	0
Unit 5	500	300
Unit 6	500	300
Unit 7	500	300
	2340	1340
Paras		
Unit 3	250	80
Unit 4	250	170
	500	250
Khaparkheda		
Unit 1	210	150
Unit 2	210	150
Unit 3	210	160
Unit 4	210	160
Unit 5	500	
	1340	620
Nasik		
Unit 1	120	
Unit 2	120	
Unit 3	210	170
Unit 4	210	150
Unit 5	210	150
	870	470
Uran		
All Units	852	630
	852	630
Dabhol		
RGPP	1940	1600
	1940	1600
Koyna		
Stage 1-2	600	600
Stage 4	1000	250
Stage 3	320	320
	1920	1170
Hydro		
KDPH	40	0

Generating unit	Derated Capacity (MW)	OLC (MW)
VTRNA	60	0
TILLARI	60	60
BHTGR/VEER	21	9
BHIRA T.R.	80	80
RNGR+BHTSA	20	17
BHANDARDRA	45	16
ELDARY	23	0
SMLHY PTN	12	10
GHATGHAR	250	
	611	192
PENCH (MS)		
Pench (MS)	53	
	53	
Wind		
MalharPeth	0	
Vankuswadi	0	
ATIT	0	
Kale	0	
Satara	0	
Shirala	0	
K Mahankal	0	
Supa	0	
Vita	0	
Dondaicha	0	
Sakri	0	
Nandurbar	0	
Khandke	0	
Khaparale	0	
	0	
CPP		
JSW JAIGAD	600	810
WARDHA	405	260
Other CPPs	0	
	1005	1070
Tata		
Trombay 4	150	0
Trombay 5	500	490
Trombay 6	500	500
Trombay 7A	120	120
Trombay 7B	60	60
Trombay 8	250	250
TATA Hydro	444	447
	2024	1867
REL		
1&2	500	500
	500	500
Cent Sect		
Share	3455	2743
	3455	2743