

Daily System Generation Summary on Saturday

Saturday, October 1, 2022

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,347 MW
Distillate	0 MW
Total TNB	2,347 MW
Total IPP	17,606 MW
Total Co-Gen	0 MW
Total System	22,174 MW

Generation Mix

Type	MWh	Percentage
Hydro	26,959	7.86 %
Gas	27,994	8.16 %
Total TNB	54,953	16.02 %
ST-Coal	215,735	62.88 %
LSS	5,289	1.54 %
Gas	66,802	19.47 %
Total IPP	287,826	83.89 %
Co-Gen	600	0.17 %
Total Co-Gen	600	0.17 %
Total Generation	343,379	100.08 %
PLTG	1,631	0.48 %
HVDC	-1,340	-0.39 %
Interconnection	291	0.08 %
Net Energy	343,088	100.00 %

Maximum Demand Record

Date: 5/24/2022	19,183 MW
Date: 5/24/2022	398,523 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	19:30:00 Hour
Total Set On Bus	17,133 MW
TNB Generation	2,614 MW
IPP Generation	13,196 MW
Spinning Reserve	1,296 MW
Maximum Demand	15,878 MW
Net Energy	343,088 MWH
Load Factor	90.03 %

Fuel Cost

Total Cost:	116,603,628.00 RM
Cost per Unit	33.96 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	959
Hydro	402
Syncon	364
Thermal	208
Total	1,933

Time	Weather	Temperature
Afternoon	Rainy	27
Morning	Rainy	24

Gas Usage

Station	(mmscfd)
GLGR	35
TJGS	108
Total TNB	142
CBPS	38
EMPP	164
NPRI	70
PCGP	70
PGLA	59
PLPS	54
SKSP	1
SPGP	59
Total IPP	515
Total Gas	657
Total Gas Required	657

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	15191	14380	13915	13374	13153	12958	12959	12760	12581	13477	14186	14563	14447	14319	14627	14914	15008	14804	14437	14945	15769	15611	15367	14924

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, November 2, 2022 2:31:42 PM
 (Ir. Shanmugam Thoppalan)
 Head
 Grid System Operator

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																									
JMAH	U001	707	706	707	705	706	705	706	706	706	710	706	704	705	698	708	705	703	707	706	704	695	708	706	705	707	707	707	700	709	705	706	705	706	702	706	707	704	707	709	706	704								
JMAH	U002	704	704	703	706	704	702	703	703	705	706	708	703	707	703	704	702	706	703	700	705	705	699	705	706	706	705	704	704	706	705	702	705	706	698	706	703	705	706	705	706	701								
JMHE	U001	979	979	982	893	899	902	900	898	901	849	853	851	850	851	852	850	849	850	900	901	899	973	982	978	979	981	980	980	980	976	981	979	979	983	980	976	979	979	980	979	983	979	979	979					
JMHE	U002	982	981	982	892	902	902	901	900	904	850	851	850	852	850	850	847	851	848	900	901	899	948	978	979	975	980	981	977	977	978	977	981	978	976	978	981	980	983	977	980	981	980	984	981	978	982			
JMJG	U001	673	673	675	670	671	672	670	667	666	666	667	669	667	668	670	666	666	668	667	666	667	668	671	666	601	591	592	596	593	596	613	668	671	662	668	668	671	667	669	668	664	670	667	667	672	666	666		
JMJG	U002	674	667	676	674	678	678	674	680	668	673	682	667	671	675	667	674	681	671	674	676	675	678	672	676	677	678	676	673	675	676	672	677	679	669	677	673	678	667	674	582	593	586	592	591	606	683	675		
JMJG	U004	978	977	977	958	904	900	900	903	901	854	850	854	855	854	853	851	852	853	876	905	901	916	973	972	972	972	972	972	972	976	972	972	974	972	972	973	973	972	974	976	974	972	975	976	974	977	974	972	
JMJG	U005	960	961	958	920	902	904	900	906	899	848	848	851	848	850	848	851	890	900	898	933	955	954	951	955	954	952	954	954	954	953	953	956	952	955	953	954	959	952	954	953	952	954	951	954	955	954	953		
PKLG	U003	54	54	50	50	49	51	49	48	49	50	49	48	48	45	44	45	48	49	52	52	53	54	53	53	50	52	52	52	52	51	53	52	53	52	50	49	49	49	51	47	49	47	49	48	49	48	49		
PKLG	U004	275	272	272	272	272	269	208	161	146	149	150	149	153	151	153	151	217	274	276	274	273	269	273	270	272	276	269	274	282	273	278	273	276	274	271	271	268	268	266	271	270	271	273	274	276	273	210		
PKLG	U005	163	164	164	167	181	180	215	204	229	236	269	271	272	272	269	269	272	269	269	269	269	268	270	275	271	275	269	267	269	289	285	324	330	317	265	269	268	276	268	268	268	275	317	268	269	268	268		
PKLG	U006	448	448	445	440	445	446	393	305	269	269	267	269	269	269	272	271	353	432	459	451	448	449	449	446	448	450	448	449	446	448	449	446	449	446	449	446	449	448	446	448	448	447	446	448	447	446	449	449	
TBIN	U003	700	701	699	700	701	701	698	698	700	700	699	701	700	699	700	702	699	700	699	702	701	702	701	702	702	702	698	703	700	700	701	703	699	700	702	699	700	700	700	699	698	702	701	700	699	703	698	701	700
TBIN	U004	874	873	872	873	877	873	871	873	872	856	854	851	853	851	855	854	853	856	875	873	874	873	875	872	875	874	874	874	872	873	873	873	873	873	873	876	875	878	875	873	874	874	871	792	704	705	702	785	
Total ST-Coal		9171	9160	9162	8920	8891	8885	8787	8652	8615	8412	8457	8440	8448	8451	8440	8443	8454	8593	8910	8991	8969	9135	9254	9262	9242	9184	9197	9166	9184	9187	9200	9221	9314	9322	9292	9244	9250	9254	9243	9255	9139	9162	9168	9131	9009	9029	9087	9093	
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CBPS	BLK2	202	202	202	198	200	200	202	200	201	201	201	207	210	201	202	202	205	202	197	201	198	200	200	201	201	201	202	205	203	197	255	266	269	276	269	268	201	201	201	250	245	256	252	250	247	239	247	259	
EMPP	BLK1	558	507	422	472	411	375	374	373	376	373	374	383	386	450	448	375	378	489	406	411	410	413	410	429	409	411	416	420	503	674	694	691	690	716	690	701	498	515	642	714	685	712	710	702	688	675	688	719	
EMPP	BLK3	557	506	422	474	411	421	545	490	411	478	410	383	462	500	499	500	403	475	406	411	410	490	459	595	408	411	413	427	712	698	670	694	689	716	691	700	506	520	642	715	685	712	710	701	685	678	688	718	
GLGR	GT01	66	66	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34	76	112	109	109	86	66	64	67	66	66	66			
GLGR	GT02	66	66	95	91	91	91	92	92	92	92	92	91	91	92	92	92	92	91	92	93	91	91	91	91	92	92	92	91	91	92	91	91	92	91	92	96	99	111	109	108	85	65	66	66	66	65			
GLGR	ST1C	70	70	55	40	40	40	40	38	40	40	40	41	41	40	40	40	40	41	40	40	39	40	40	40	40	40	40	40	40	41	41	41	40	41	41	40	40	87	95	98	89	77	70	70	70	71	71		
NPRI	BLK2	310	310	312	308	308	310	308	309	309	310	308	313	322	309	310	311	311	382	316	533	531	530	529	535	529	532	402	523	522	514	512	509	512	524	511	514	520	517	518	523	509	525	518	516	509	502	510	527	
PCGP	PGRG	602	604	477	397	399	402	402	399	399	399	400	419	423	403	406	412	415	403	589	601	596	598	594	603	592	601	603	611	427	401	398	390	400	412	394	397	400	400	399	412	392	412	400	394	394	394	396	418	
PGLA	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	131	135	134	215	212	217	216	216	204	193	133	136			
PGLA	GT12	155	154	155	152	154	154	154	155	154	154	152	157	160	155	155	156	156	149	147	148	146	146	146	148	148	148	150	150	146	147	145	145	222	226	156	134	138	137	220	215	221	220	220	206	196	138	135		
PGLA	ST10	85	85	85	85	83	83	83	84	83	84	83	84	85	84	84	85	84	83	82	82	82	82	82	82	82	82	82	83	83	83	81	81	83	103	107	82	180	180	146	181	242	239	240	230	237	208	175	179	
PLPS	GT11	128	129	128	129	129	128	128	129	128	128	129	129	128	128	128	129	129	129	129	129	129	129	129	129	129	128	128	128	128	129	129	143	140	142	145	146	147	146	142	147	130	115	111	108	111	115			
PLPS	GT12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	147	147	146	149	133	119	73	120	120	119				
PLPS	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																												

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
CEND	HY03	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
CEND	HY04	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
HTRG	HY01	63	63	62	62	62	63	63	63	62	62	62	62	62	62	62	62	62	62	63	63	63	63	62	62
HTRG	HY02	120	120	120	118	62	62	63	63	63	62	62	62	62	63	63	62	62	62	63	63	63	63	63	62
HTRG	HY03	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
KNRG	HY01	31	32	32	31	32	31	31	31	31	31	31	32	32	24	32	32	32	32	32	32	32	32	32	32
KNRG	HY02	37	38	38	38	38	37	37	37	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
KNRG	HY03	35	0	0	0	0	11	22	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNYR	HY01	100	100	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
KNYR	HY02	103	103	103	103	104	104	103	103	104	104	104	103	103	104	104	104	103	103	103	103	103	104	104	104
KNYR	HY03	102	102	102	102	101	101	100	100	100	101	101	101	102	102	102	102	102	102	102	101	101	100	99	102
KNYR	HY04	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	101	102
LPJA	HY01	18	18	18	18	18	18	18	18	18	18	18	18	18	15	15	15	15	16	16	16	16	16	16	16
LPJA	HY02	18	18	18	18	18	18	18	18	18	18	18	18	17	17	15	15	15	16	16	16	16	16	16	16
MNOR	HY01	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PGAU	HY01	121	82	82	82	81	21	22	22	22	22	111	110	20	21	22	22	21	21	21	21	21	21	83	22
PGAU	HY02	123	82	82	82	82	20	21	21	21	21	112	112	20	20	20	20	20	20	20	20	20	83	83	22
SIHY	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	31	31
SIHY	HY02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
SIHY	HY03	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	30	30
SYPS	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25
SYPS	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25
SYPS	HY04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	25	25
TMGR	HY01	80	80	79	80	80	34	-1	80	80	79	80	80	79	80	80	79	79	79	79	79	79	79	80	79
TMGR	HY02	85	84	84	85	84	67	85	83	83	84	46	84	65	77	85	85	84	46	51	77	83	54	84	46
TMGR	HY03	80	80	79	79	79	32	80	80	79	79	80	80	79	33	33	80	80	80	79	80	79	80	79	79
TMGR	HY04	80	80	80	80	80	33	80	80	80	80	80	80	80	34	34	80	80	80	80	80	80	80	80	80
UJLI	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UJLI	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
UPIA	HY01	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
UPIA	HY02	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Total Hydro		1423	1301	1297	1297	1240	968	1060	1154	1115	1117	1080	1120	1299	1217	1045	918	916	1051	1009	1015	1041	1049	1018	1024
Total Distillate		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JELS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JSLs	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KMLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KRLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Daily MW Generation on Saturday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																									
MCLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	11	20	22	23	39	32	43	42	46	51	46	41	28	24	42	31	14	12	4	0	0	0	0	0	0	0	0	0	0	0			
MNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	9	10	16	39	47	43	62	71	77	72	96	96	89	88	80	94	93	91	67	17	1	0	0	0	0	0	0	0	0	0	0	0	0		
PKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	31	37	97	92	81	60	81	97	70	70	50	34	30	29	24	40	27	22	17	7	0	0	0	0	0	0	0	0	0	0	0		
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	5	2	5	25	4	4	17	24	35	33	33	46	37	34	52	27	36	20	15	5	4	0	0	0	0	0	0	0	0	0	0	0		
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	4	9	22	19	28	39	24	47	25	45	15	33	37	6	6	7	11	11	9	8	3	0	0	0	0	0	0	0	0	0	0	0		
STLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	5	7	9	22	20	25	27	28	15	14	16	29	14	18	7	8	1	13	5	4	2	0	0	0	0	0	0	0	0	0	0	0		
TBLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	7	18	18	24	21	14	15	30	20	20	13	9	11	12	8	6	14	24	10	4	1	0	0	0	0	0	0	0	0	0	0	0		
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	15	56	109	249	399	620	671	711	658	771	656	735	708	605	706	652	612	568	421	298	215	114	41	1	0	0	0	0	0	0	0	0	0	0	0	
KHTC	BLK1	5	1	4	4	5	6	2	2	3	4	1	2	1	2	2	2	0	1	2	2	0	0	0	1	3	1	2	4	3	0	0	1	1	2	1	2	1	4	2	2	3	1	4	3	3	3			
PCUF	CUFG	17	18	17	19	17	16	17	18	18	17	19	18	18	18	20	19	18	18	18	20	19	19	18	18	18	18	18	18	19	18	19	18	19	18	19	18	19	20	17	20	18	19	17	18	19	20	18		
PCUF	CUFK	4	5	4	5	4	4	4	4	6	3	7	3	5	6	4	5	4	4	4	6	5	4	5	5	6	4	5	5	5	5	5	5	4	4	6	5	3	6	3	3	2	5	5	5	4	5	5		
Total Co-Gen		26	24	25	28	26	26	23	24	27	24	27	23	24	28	24	26	25	25	24	24	26	25	26	23	25	24	26	23	25	28	26	24	23	24	23	27	26	22	27	25	24	21	26	25	28	27	26	26	
Total Gen		15205	14762	14448	14166	13961	13665	13433	13308	13161	13025	12966	12873	12961	12931	12745	12579	12539	13090	13458	13946	14155	14464	14553	14689	14538	14399	14401	14502	14594	14807	14812	14955	15097	15231	14894	14767	14422	14479	14937	15837	15822	15780	15634	15524	15345	15186	14972	14687	
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
TIE-HVDC		-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-99	-30	-30	-30	
TIE-PLTG		44	100	98	82	76	44	89	106	38	86	38	38	32	40	15	49	-12	-10	11	11	-1	10	20	22	121	70	112	118	66	21	-3	93	188	171	189	139	84	85	91	58	152	70	122	105	77	51	78	-21	
Interconnection		14	70	68	52	46	14	59	76	8	56	8	8	2	10	-15	19	-42	-40	-19	-19	-31	-20	-10	-8	91	40	82	19	-33	-77	-102	-5	89	72	90	40	-15	-14	-8	-41	53	-29	23	6	-22	21	48	-51	
System Total		15191	14692	14380	14114	13915	13651	13374	13232	13153	12969	12958	12865	12959	12921	12760	12560	12581	13130	13477	13965	14186	14484	14563	14697	14447	14359	14319	14483	14627	14884	14914	14960	15008	15159	14804	14727	14437	14493	14945	15878	15769	15809	15611	15518	15367	15165	14924	14738	
SRev ST-Coal		188	199	197	423	462	490	533	584	570	614	568	590	586	579	589	582	574	569	476	431	440	284	165	197	197	235	152	143	125	122	129	138	155	142	142	158	144	140	151	139	165	142	136	203	125	85	107	201	
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		1338	1296	1609	1497	1614	1632	1629	1590	1664	1596	1666	1778	1530	1485	1484	1543	1632	1408	1454	1203	1221	1136	1176	998	1229	1201	1324	1166	987	882	839	676	579	365	464	917	1422	1486	1047	362	496	412	559	802	855	805	1002	916	
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Syncon		374	374	374	374	374	374	462	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	187	374	374	374	374	374	374	374	374	374		
Hydro		237	269	273	273	330	622	442	456	455	453	490	450	271	228	400	527	529	394	436	430	404	396	427	421	434	430	396	397	396	394	394	393	395	335	421	411	395	396	395	421	371	332	334	395	478	404	478	262	
S.Reserve Total		2137	2138	2453	2567	2780	3118	3066	3004	3063	3037	3098	3192	2761	2666	2847	3026	3109	2745	2740	2438	2439	2190	2142	1990	2234	2240	2246	2080	1882	1772	1736	1581	1503	1216	1401	1860	2335	2396	1967	1296	1219	1260	1403	1774	1832	1668	1961	1753	