

Secondary Fuel Oil Consumption (SFOC) Report for the year of 2010-2011

Sl. No.	Name of Power Station	IC at the end of the year	Energy Gen (MU)	Secondary Fuel Oil Consumption(KL)							Weighted Average GCV	Specific SFOC(ml/kWh r)
				LSHS	LDO	HPS	FO/HFO	HSD	HHS	TOTAL		
CENTRAL SECTOR												
1	BADARPUR TPS	705.00	4549.54	0.00	3456.50	0.00	0.00	227.00	0.00	3683.50	9447.46	0.76
2	BARSINGSAR LIGNITE	250.00	265.23	0.00	2310.43	0.00	1275.31	0.00	0.00	3585.74	9279.25	12.54
3	DADRI (NCTPP)	1820.00	12065.52	0.00	1396.00	0.00	15123.71	0.00	0.00	16519.71	9427.61	1.29
4	RIHAND STPS	2000.00	16318.79	0.00	18.56	0.00	3327.56	0.00	0.00	3346.12	9650.00	0.20
5	SINGRAULI STPS	2000.00	16912.94	0.00	0.00	0.00	4098.00	0.00	0.00	4098.00	9978.00	0.24
6	TANDA TPS	440.00	3569.24	0.00	2498.00	0.00	0.00	0.00	0.00	2498.00	9364.00	0.66
7	UNCHAHAH TPS	1050.00	8580.11	0.00	1105.96	0.00	1701.30	0.00	0.00	2807.27	9990.00	0.33
	Sub Total (NR)	8265.00	62261.37	0.00	10785.45	0.00	25525.88	227.00	0.00	36538.34	9536.01	0.56
8	BHILAI TPS	500.00	4017.92	0.00	251.36	0.00	1495.98	0.00	0.00	1747.34	10009.64	0.44
9	KORBA STPS	2600.00	17377.00	0.00	509.50	0.00	10802.00	289.50	0.00	11601.00	10193.19	0.68
10	SIPAT STPS	1000.00	8456.18	0.00	1543.30	0.00	6717.05	0.00	0.00	8260.35	10138.04	0.99
11	VINDHYACHAL STPS	3260.00	27013.39	0.00	0.00	0.00	3287.18	0.00	0.00	3287.18	9740.00	0.12
	Sub Total (WR)	7360.00	56864.49	0.00	2304.16	0.00	22302.21	289.50	0.00	24895.87	10102.17	0.44
12	RAMAGUNDEM STPS	2600.00	20559.82	0.00	0.00	0.00	1761.46	918.95	0.00	2680.41	10578.42	0.14
13	SIMHADRI	1000.00	8416.82	0.00	3927.79	0.00	491.71	0.00	0.00	4419.50	9549.06	0.50
14	NEYVELI (EXT) TPS	420.00	2995.73	0.00	438.09	0.00	4942.39	0.00	0.00	5380.48	9971.33	1.79
15	NEYVELI TPS- I	600.00	3878.79	0.00	82.74	0.00	8031.98	0.00	0.00	8114.72	10460.92	2.19
16	NEYVELI TPS-II	1470.00	10739.57	0.00	113.89	0.00	7151.18	0.00	0.00	7265.07	10186.81	0.69
	Sub Total (SR)	6090.00	46590.73	0.00	4562.51	0.00	22378.72	918.95	0.00	27860.17	10161.54	0.61
17	KAHALGAON TPS	2340.00	14028.72	0.00	310.30	0.00	9737.95	0.00	0.00	10048.25	9910.85	0.71
18	MUZAFFARPUR TPS	220.00	319.57	0.00	1847.00	0.00	0.00	0.00	0.00	1847.00	9539.00	5.51
19	BOKARO `B` TPS	630.00	3436.21	0.00	1649.00	0.00	3127.79	0.00	0.00	4776.79	9958.23	1.38
20	CHANDRAPURA(DVC) TPS	890.00	2790.75	0.00	4564.41	0.00	1609.88	0.00	0.00	6174.29	9268.76	2.05
21	TALCHER (OLD) TPS	470.00	3796.65	0.00	478.43	0.00	591.00	889.00	0.00	1958.43	9468.45	0.49
22	TALCHER STPS	3000.00	22532.83	0.00	458.00	0.00	9684.00	0.00	0.00	10142.00	9497.15	0.43
23	DURGAPUR TPS	340.00	1504.61	0.00	5385.00	0.00	0.00	0.00	0.00	5385.00	10138.34	3.63

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				LSHS	LDO	HPS	FO/HFO	HSD	HHS	TOTAL		
24	FARAKKA STPS	2100.00	11089.09	0.00	389.00	0.00	7423.00	0.00	0.00	7812.00	9646.89	0.68
25	MEJIA TPS	1840.00	8818.29	0.00	20229.92	0.00	8975.23	0.00	0.00	29205.15	10192.68	3.38
	Sub Total (ER)	11830.00	68316.72	0.00	35311.06	0.00	41148.85	889.00	0.00	77348.91	9883.79	1.12
	Total (CS)	33545.00	234033.31	0.00	52963.18	0.00	111355.66	2324.45	0.00	166643.29	9886.60	0.70
STATE SECTOR												
26	RAJGHAT TPS	135.00	781.47	2099.41	1681.46	0.00	0.00	0.00	0.00	3780.88	9625.64	4.66
27	PANIPAT TPS	1360.00	9273.32	0.00	47.44	0.00	31301.64	0.00	0.00	31349.08	10203.46	3.45
28	YAMUNA NAGAR TPS	600.00	3881.21	0.00	173.43	0.00	8537.49	0.00	0.00	8710.92	10259.83	2.30
29	GH TPS (LEH.MOH.)	920.00	7306.43	0.00	1131.00	0.00	2832.00	0.00	0.00	3963.00	9778.88	0.53
30	GND TPS(BHATINDA)	440.00	1775.27	0.00	2137.00	0.00	4497.00	0.00	0.00	6634.00	9400.00	3.51
31	ROPAR TPS	1260.00	9717.90	0.00	234.45	678.01	2700.00	0.00	0.00	3612.46	10000.00	0.37
32	CHHABRA TPP	500.00	1247.70	0.00	1153.17	0.00	16131.40	0.00	0.00	17284.57	10550.43	14.62
33	GIRAL TPS	250.00	596.86	0.00	1517.50	0.00	0.00	0.00	0.00	1517.50	9185.00	2.34
34	KOTA TPS	1240.00	9891.55	0.00	7926.00	0.00	4761.68	341.39	0.00	13029.07	9591.43	1.26
35	SURATGARH TPS	1500.00	9409.81	0.00	342.62	0.00	12304.23	0.00	0.00	12646.85	10208.13	1.37
36	HARDUAGANJ TPS	220.00	580.95	0.00	3867.40	0.00	8077.76	0.00	0.00	11945.16	10186.47	20.94
37	OBRA TPS	1372.00	4632.86	0.00	0.00	0.00	24923.68	4473.53	0.00	29397.21	10000.00	6.35
38	PANKI TPS	210.00	1031.62	0.00	3895.90	0.00	0.00	0.00	0.00	3895.90	9494.68	3.59
39	PARICHHA TPS	640.00	3320.24	0.00	2868.00	0.00	17710.00	0.00	0.00	20578.00	10287.75	6.38
	Sub Total (NR)	10647.00	63447.19	2099.41	26975.39	678.01	133776.87	4814.92	0.00	168344.61	10083.97	2.68
40	DSPM TPS	500.00	4240.08	0.00	0.00	0.00	690.97	698.43	0.00	1389.40	10000.00	0.33
41	KORBA-II	200.00	1326.12	0.00	0.00	0.00	2500.00	80.00	0.00	2580.00	10000.00	1.95
42	KORBA-III	240.00	1613.35	0.00	0.00	0.00	2668.58	89.00	0.00	2757.58	10000.00	1.71
43	KORBA-WEST TPS	840.00	6696.32	0.00	0.00	0.00	1801.60	991.88	0.00	2793.48	10400.00	0.43
44	AKRIMOTA LIG TPS	250.00	1171.41	0.00	332.07	0.00	2848.82	0.00	0.00	3180.89	9954.45	2.70
45	GANDHI NAGAR TPS	870.00	5394.14	0.00	108.00	0.00	5864.84	0.00	0.00	5972.84	10477.20	1.16
46	KUTCH LIG. TPS	290.00	1375.71	0.00	2215.41	0.00	4221.44	0.00	0.00	6436.85	10572.16	4.95
47	SIKKA REP. TPS	240.00	1174.85	0.00	1365.00	0.00	2725.00	0.00	0.00	4090.00	10326.24	3.59

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				LSHS	LDO	HPS	FO/HFO	HSD	HHS	TOTAL		
48	UKAI TPS	850.00	5380.90	0.00	297.02	0.00	19990.09	0.00	0.00	20287.11	9446.12	3.56
49	WANAKBORI TPS	1470.00	10001.25	0.00	445.00	0.00	6977.50	0.00	0.00	7422.50	10524.59	0.78
50	AMARKANTAK EXT TPS	450.00	1926.28	0.00	982.07	0.00	3157.78	212.42	0.00	4352.27	10737.99	2.43
51	SANJAY GANDHI TPS	1340.00	7721.61	0.00	4187.00	0.00	6901.00	0.00	0.00	11088.00	10000.00	1.44
52	SATPURA TPS	1142.50	6055.65	0.00	0.00	0.00	42051.01	3309.46	0.00	45360.47	9566.73	7.17
53	BHUSAWAL TPS	470.00	2501.60	0.00	2091.39	0.00	21321.99	0.00	0.00	23413.38	10170.03	9.52
54	CHANDRAPUR(MAHARASHTRA) STPS	2340.00	10831.06	0.00	11634.00	0.00	37487.00	0.00	0.00	49121.00	10240.55	4.64
55	KHAPARKHEDA TPS- II	840.00	5715.88	0.00	3595.00	0.00	8367.00	0.00	0.00	11962.00	10343.75	2.16
56	KORADI TPS	1040.00	4305.57	0.00	3855.64	0.00	38324.27	0.00	0.00	42179.91	9486.48	9.29
57	NASIK TPS	880.00	5029.17	0.00	8065.00	0.00	37601.00	0.00	0.00	45666.00	10216.54	9.28
58	NEW PARLI TPS	500.00	2809.03	0.00	3549.00	0.00	23000.00	0.00	0.00	26549.00	9459.00	8.94
59	PARAS EXP.	500.00	2698.80	0.00	4714.38	0.00	21480.00	0.00	0.00	26194.38	10372.02	10.07
60	PARAS TPS	55.00	118.46	0.00	500.00	0.00	2386.82	0.00	0.00	2886.82	10369.61	25.27
61	PARLI TPS	670.00	3446.24	0.00	3649.00	0.00	23013.00	0.00	0.00	26662.00	9457.76	7.32
	Sub Total (WR)	15977.50	91533.48	0.00	51584.98	0.00	315379.70	5381.19	0.00	372345.87	9933.36	4.04
62	Dr. N.TATA RAO TPS	1760.00	12408.24	0.00	0.00	0.00	5266.65	581.70	0.00	5848.35	10000.00	0.47
63	KOTHAGUDEM TPS	720.00	5057.61	0.00	0.00	0.00	3546.00	1070.00	0.00	4616.00	10838.63	0.99
64	KOTHAGUDEM TPS (NEW)	500.00	3417.71	0.00	169.76	0.00	2660.25	94.58	0.00	2924.59	10256.51	0.88
65	RAMAGUNDEM - B TPS	62.50	469.87	0.00	0.00	0.00	117.52	178.71	0.00	296.23	10622.30	0.67
66	RAYALASEEMA TPS	1050.00	6253.34	0.00	1796.90	0.00	8180.36	0.00	0.00	9977.26	9701.04	1.55
67	BELLARY TPS	500.00	2643.19	0.00	749.45	0.00	5112.90	0.00	0.00	5862.35	10293.83	2.28
68	RAICHUR TPS	1720.00	8803.59	0.00	918.94	0.00	33545.76	0.00	0.00	34464.70	10212.96	4.00
69	ENNORE TPS	450.00	1396.34	0.00	704.95	0.00	16278.92	0.00	0.00	16983.86	10496.00	12.77
70	METTUR TPS	840.00	6064.71	0.00	0.00	0.00	5666.27	285.12	0.00	5951.39	10094.00	0.99
71	NORTH CHENNAI TPS	630.00	4510.93	0.00	0.00	0.00	4404.86	537.61	0.00	4942.47	9724.30	1.07
72	TUTICORIN TPS	1050.00	7113.16	0.00	0.00	0.00	38192.05	503.67	0.00	38695.72	9952.06	5.41
	Sub Total (SR)	9282.50	58138.69	0.00	4340.00	0.00	122971.54	3251.40	0.00	130562.93	10127.53	2.27
73	PATRATU TPS	770.00	675.89	0.00	2204.00	0.00	2866.00	0.00	0.00	5070.00	9745.62	7.31

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74	TENUGHAT TPS	420.00	2453.89	0.00	10855.70	0.00	0.00	0.00	0.00	10855.70	9359.00	4.14
75	IB VALLEY TPS	420.00	3184.72	0.00	2232.77	0.00	0.00	0.00	0.00	2232.77	10000.00	0.70
76	BAKRESWAR TPS	1050.00	7726.78	0.00	7567.09	0.00	0.00	0.00	0.00	7567.09	9790.00	0.96
77	BANDEL TPS	450.00	1817.46	0.00	0.00	0.00	16603.00	0.00	0.00	16603.00	9573.08	8.75
78	D.P.L. TPS	690.00	1608.53	0.00	6412.00	0.00	3933.00	484.00	0.00	10829.00	9577.51	6.45
79	KOLAGHAT TPS	1260.00	7510.64	0.00	21333.92	0.00	0.00	0.00	0.00	21333.92	9626.59	2.73
80	SAGARDIGHI TPS	600.00	3799.57	0.00	0.00	0.00	6096.50	0.00	0.00	6096.50	9479.70	1.52
81	SANTALDIH TPS	730.00	1546.14	0.00	5300.00	0.00	0.00	0.00	0.00	5300.00	9275.00	3.18
	Sub Total (ER)	6390.00	30323.62	0.00	55905.48	0.00	29498.50	484.00	0.00	85887.98	9575.24	2.71
	Total (SS)	42297.00	243442.98	2099.41	138805.85	678.01	601626.60	13931.51	0.00	757141.39	9959.70	3.10
PVT SECTOR												
82	SABARMATI (C STATION)	60.00	331.72	300.00	0.00	0.00	0.00	4.00	0.00	304.00	10304.47	0.94
83	SABARMATI (D-F STATIONS)	340.00	2612.70	1096.03	0.00	0.00	0.00	19.82	0.00	1115.85	10306.74	0.44
84	DAHANU TPS	500.00	4423.67	0.00	597.03	0.00	253.74	0.00	0.00	850.77	10393.86	0.20
	Sub Total (WR)	900.00	7368.09	1396.03	597.03	0.00	253.74	23.82	0.00	2270.62	10339.08	0.32
85	BUDGE BUDGE TPS	750.00	5438.93	0.00	4774.96	0.00	0.00	0.00	0.00	4774.96	9613.00	0.84
86	NEW COSSIPORE TPS	160.00	362.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	SOUTHERN REPL. TPS	135.00	1088.66	0.00	1453.12	0.00	0.00	0.00	0.00	1453.12	9618.00	1.28
88	TITAGARH TPS	240.00	1866.04	0.00	2032.99	0.00	0.00	0.00	0.00	2032.99	9545.00	1.04
	Sub Total (ER)	1285.00	8756.39	0.00	8261.07	0.00	0.00	0.00	0.00	8261.07	9597.15	0.91
	Total (PVT S)	2185.00	16124.48	1396.03	8858.10	0.00	253.74	23.82	0.00	10531.69	9757.10	0.64
PVT IPP SECTOR												
89	JALIPA KAPURDI TPP	270.00	961.15	0.00	1938.00	0.00	0.00	224.00	0.00	2162.00	9378.23	2.11
	Sub Total (NR)	270.00	961.15	0.00	1938.00	0.00	0.00	224.00	0.00	2162.00	9378.23	2.11
90	OP JINDAL TPS	1000.00	8596.92	0.00	714.11	0.00	635.31	0.00	0.00	1349.42	10382.30	0.16
91	PATHADI TPP	600.00	3706.56	0.00	1969.00	0.00	1591.00	0.00	0.00	3560.00	10421.24	1.00
92	MUNDRA TPS	1980.00	7621.73	0.00	0.00	0.00	166.08	16502.08	0.00	16668.16	10004.98	2.19

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93	SURAT LIG. TPS	500.00	2635.28	0.00	0.00	0.00	7013.00	0.00	0.00	7013.00	9610.00	2.56
94	WARDHA WARORA TPP	405.00	1100.33	0.00	2014.25	0.00	6730.01	0.00	0.00	8744.26	10415.18	8.28
	Sub Total (WR)	4485.00	23660.82	0.00	4697.36	0.00	16135.40	16502.08	0.00	37334.84	10080.19	1.59
95	TORANGALLU TPS(SBU-I)	260.00	2225.77	0.00	290.11	0.00	1602.14	0.00	0.00	1892.25	9153.31	0.78
96	TORANGALLU TPS(SBU-II)	600.00	5001.12	0.00	651.86	0.00	3599.89	0.00	0.00	4251.75	9153.32	0.78
	Sub Total (SR)	860.00	7226.89	0.00	941.97	0.00	5202.03	0.00	0.00	6144.00	9153.32	0.78
97	JOJOBERA TPS	360.00	2548.67	0.00	1628.77	0.00	0.00	0.00	0.00	1628.77	9100.00	0.58
	Sub Total (ER)	360.00	2548.67	0.00	1628.77	0.00	0.00	0.00	0.00	1628.77	9100.00	0.58
	Total (PVT IPP S)	5975.00	34397.53	0.00	9206.10	0.00	21337.43	16726.08	0.00	47269.61	9893.84	1.36
	Grand Total	84002.00	527998.30	3495.44	209833.23	678.01	734573.44	33005.86	0.00	981585.98	9941.95	1.85

NA - Not Available KL - Kilo Litre LSHS - Low Sulphur Heavy Stock LDO - Liquid Diesel Oil
HPS - Heavy Petroleum Stock FO - Furnance Oil HFO - Heavy Furnance Oil HSD - Hlgh Speed Diesel
HHS - Hot Heavy Stock GCV - Gross Calorific Value IC - Installed Capacity

Note: 1. All specific SFOC are based on 10,000 k.Cal/litre GCV.
2. Where ever data of GCV not furnished by stations the GCV has been taken are: LDO=1100, FO/HFO=10500, HSD=13000, LSHS=10500, HPS=10500 k.Cal/kg and Specific Gravity taken are : LDO=0.835, FO/HFO=0.90, HSD=0.85, LSHS=0.95, HPS: 0.95 Kg/lit.