

## Computation of monthly FAC Charge for the month (j-2) March-05

Fuel	Tariff Order-March-05		March-05		YTD March-05 (Wtd Avg)	
	CV	Price	CV	Price	CV	Price
	kCal/kG	Rs/MkCal	kCal/kG	Rs/MkCal	kCal/kG	Rs/MkCal
Natural Gas	13,000	305.40	13,067.69	307.39	12,943.76	305.82
Coal	4,750	481.00	5,087.00	466.68	4,805.40	544.77
Oil*	10,500	1,070.50	**	1,080.24	**	1,084.58
All Fuels		722.00		704.29		747.91

\* Oil includes LSHS, LSWR, HSD, LDO & SKO

\*\* Main fuel quantities are recorded in MT whereas minor fuel quantities are recorded in KL

Unit/Station	Tariff Order-March-05		March-05		YTD March-05 (Wtd Avg)	
	Heat Rate	Aux Cons	Heat Rate	Aux Cons	Heat Rate	Aux Cons
	kCal/kWh	%	kCal/kWh	%	kCal/kWh	%
Hydro Station	-	0.50%	-	0.50%	-	0.53%
Unit 4, Trombay	2,574.00	7.80%	2,551.45	7.20%	2,555.44	7.79%
Unit 5, Trombay	2,447.00	5.30%	2,440.41	4.98%	2,456.32	5.00%
Unit 6, Trombay	2,338.40	3.20%	2,252.96	3.20%	2,327.56	3.20%
Unit 7, Trombay	2,019.00	2.80%	1,900.42	1.95%	1,977.18	2.31%

Units/Station/ Source	Fuel	Tariff Order – March-05			Assessment for FAC determination for March-05		
		Var Cost Rs/kWh	Gen MUs	VCG Rs Cr	Var Cost Rs/kWh	Gen MUs	VCG Rs Cr
Hydel Station	None	-	107.00	-	-	109.32	-
Unit - 4	NG	0.79	-	-	0.79	0.71	0.06
Unit - 4	Oil	2.76	-	-	2.78	76.06	21.15
Unit - 5	NG	0.75	-	-	0.75	-	-
Unit - 5	Coal	1.18	326.50	38.43	1.14	376.27	42.97
Unit - 5	Oil	2.62	31.50	8.25	2.64	0.45	0.12
Unit - 6	NG	0.71	-	-	0.72	6.27	0.45
Unit - 6	Oil	2.50	372.00	93.12	2.53	300.02	75.79
Unit - 7	NG	0.62	111.80	6.89	0.62	136.54	8.47
Total Thermal Gen		1.74	841.80	146.70	1.66	896.32	149.00
Total Generation		1.55	948.80	146.70	1.48	1,005.64	149.00
Fuel handling Charges				1.00			1.05
Total generation including FHC (A)		1.56	948.80	147.70	1.49	1,005.64	150.05
Net Power Purchase from MSEB (B)		2.99	7.30	2.18	-	-	-
Less: Sale to MSEB from Unit 4			-	-	2.78	59.26	16.48
Var cost of generation and Power purchase (A+B)		1.57	956.10	149.88	1.41	946.38	133.57

Table 3(B): Variable Cost of generation and Power Purchase							
YTD March -05							
Units/Station/ Source	Fuel	Tariff Order- YTD March - 05			Assessment for FAC determination for YTD March 05		
		Var Cost Rs/kWh	Gen MUs	VCG Rs Cr	Var Cost Rs/kWh	Gen MUs	VCG Rs Cr
Hydel Station	None	-	1,336.10	-	-	1,438.54	-
Unit - 4	NG	0.79	-	-	0.79	49.29	3.88
Unit - 4	Oil	2.76	111.60	30.75	2.79	617.42	172.37
Unit - 5	NG	0.75	-	-	0.75	3.73	-
Unit - 5	Coal	1.18	3,844.00	452.49	1.33	3,829.28	510.46
Unit - 5	Oil	2.62	340.20	89.11	2.65	237.04	62.91
Unit - 6	NG	0.71	102.70	7.33	0.72	153.73	10.99
Unit - 6	Oil	2.50	3,660.20	916.22	2.54	3,285.25	833.20
Unit - 7	NG	0.62	1,197.40	73.83	0.62	1,335.02	82.43
Total Thermal Gen		1.70	9,256.10	1,569.74	1.76	9,510.77	1,676.24
Total Generation		1.48	10,592.20	1,569.74	1.53	10,949.31	1,676.24
Fuel handling Charges				10.90			9.45
Total generation including FHC (A)		1.49	10,592.20	1,580.64	1.54	10,949.31	1,685.69
Net Power Purchase from MSEB (B)	....	2.99	61.50	18.39	3.03	67.99	20.58
Less: Sale to MSEB from Unit 4		-	-	-	2.79	182.13	50.85
Var cost of generation and Power purchase (A+B)		1.50	10,653.70	1,599.03	1.53	10,835.17	1,655.42

Unit/ Station	Fuel	March-05			YTD March - 05		
		Excess Auxiliary Consumption	Rate of change in variable cost for disallowance	Disallowance of change in variable cost	Excess Auxiliary Consumption	Rate of change in variable cost for disallowance	Disallowance of change in variable cost
		MU	Rs/kWh	Rs Cr	MU	Rs/kWh	Rs Cr
Hydel Station	None	-	-	-	0.01	0.05	0.0001
Unit - 4	NG	-	0.01	-	0.00	0.00	0.0000
Unit - 4	Oil	-	0.03	-	0.02	0.04	0.0001
Unit - 5	NG	-	0.00	-	0.00	0.00	0.0000
Unit - 5	Coal	-	-	-	0.02	0.16	0.0003
Unit - 5	Oil	-	0.02	-	0.00	0.03	0.0000
Unit - 6	NG	-	0.00	-	0.00	0.00	0.0000
Unit - 6	Oil	-	0.02	-	0.03	0.03	0.0001
Unit - 7	Oil	-	0.00	-	0.00	0.00	0.0000
Total		-		-	0.08		0.0005

Parameter	Unit	March-05	YTD March05
Variable cost of generation and power purchase considered in the Tariff Order	Rs/kWh	1.57	1.50
Variable cost of generation and power purchase as assessed for computation of FAC	Rs/kWh	1.41	1.53
Change in Variable cost of generation and power purchase (on per unit basis)	Rs/kWh	(0.16)	0.03
Gross generation & power purchase (Excluding Unit 4 generation for MSEB/Outside Licensed Area)	MU	946.38	10,835.17
Change in Variable cost of generation and power purchase	Rs Cr	(14.78)	29.16
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Cr	-	0.00
Net change in variable cost of generation & power purchase	Rs Cr	(14.78)	29.16

Table 6(A): Apportionment of Change in Variable Cost of Generation and Power Purchase to Sale in License Area

March-05				
Parameter	Unit	Sale within Licensed Area	Sale outside License Area (Excl sale from Unit 4)	Total
Sale	MU	793.30	96.80	890.10
Apportionment of Net Hydro generation (a)	MU	108.77	-	108.77
Apportionment of net thermal generation & power purchase (b)	MU	705.72	99.22	804.94
Apportionment of generation & Power purchase	MU	814.49	99.22	913.71
Apportionment of change in variable cost of generation & power purchase in proportion of (b) above	Rs Cr	(12.96)	(1.82)	(14.78)

Table 6(B): Apportionment of Change in Variable Cost of Generation and Power Purchase to Sale in License Area

YTD March - 05				
Parameter	Unit	Sale within Licensed Area	Sale outside License Area (Excl sale from Unit 4)	Total
Sale	MU	9,583.47	616.46	10,199.94
Apportionment of Net Hydro generation (a)	MU	1,430.85	-	1,430.85
Apportionment of net thermal generation & power purchase (b)	MU	8,383.62	631.07	9,014.69
Apportionment of generation & Power purchase	MU	9,814.47	631.07	10,445.53
Apportionment of change in variable cost of generation & power purchase in proportion of (b) above	Rs Cr	27.12	2.04	29.16