

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

Fuel	Tariff Order-September 05		September 05	
	CV	Price	CV	Price
	kCal/kg	Rs/MkCal	kCal/kg	Rs/MkCal
Natural Gas	13,000	305.40	13,161.98	374.85
Coal	4,750	481.00	4,785.19	563.41
Oil*	10,500	1,070.50	**	1,716.26
All Fuels		722.00		1,041.42

* 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-September 05		September 05	
	Heat Rate	Aux Cons	Heat Rate	Aux Cons
	kCal/kWh	%	kCal/kWh	%
Hydro Station	-	0.50%	-	0.24%
Unit 4, Trombay	2,574.00	7.80%	2,933.60	13.84%
Unit 5, Trombay	2,447.00	5.30%	2,463.06	5.65%
Unit 6, Trombay	2,338.40	3.20%	2,407.99	3.65%
Unit 7, Trombay	2,019.00	2.80%	1,987.27	2.31%

Table 3(A): Variable Cost of generation and Power Purchase					September 05		
Units/Station/ Source	Fuel	Tariff Order – September 05			Assessment for FAC determination for September 05		
		Var Cost Rs/kWh	Gen MUs	VCG Rs Cr	Var Cost Rs/kWh	Gen MUs	VCG Rs Cr
Hydel Station	None	-	94.40	-	-	315.64	-
Unit - 4	NG	0.79	-	-	0.96	-	-
Unit - 4	Oil	2.76	-	-	4.42	25.91	11.45
Unit - 5	NG	0.75	-	-	0.92	-	-
Unit - 5	Coal	1.18	315.90	37.28	1.38	260.81	35.96
Unit - 5	Oil	2.62	14.40	3.77	4.20	25.59	10.75
Unit - 6	NG	0.71	-	-	0.88	6.54	0.57
Unit - 6	Oil	2.50	360.00	90.00	4.01	225.72	90.59
Unit - 7	NG	0.62	108.20	6.71	0.76	107.99	8.17
Total Thermal Gen		1.73	798.50	137.76	2.41	652.57	157.49
Total Generation		1.54	892.90	137.76	1.63	968.21	157.49
Fuel handling Charges				1.00			0.66
Total generation including FHC (A)		1.55	892.90	138.76	1.63	968.21	158.15
Net Power Purchase from MSEB/Others (B)		2.99	-	-	3.85	82.68	31.80
Less: Sale to MSEB from Unit 4/ Incremental Cost (C)			-	-	4.44	-	-
Any adjustment / Refund							
Var cost of generation and Power purchase (A+B-C)		1.55	892.90	138.76	1.81	1,050.89	189.95

Unit/ Station	Fuel	September 05		
		Excess Auxiliary Consumption	Rate of change in variable cost for disallowance	Disallowance of change in variable cost
		MU	Rs/kWh	Rs Cr
Hydel Station	None	-	0.08	-
Unit - 4	NG	-	0.17	-
Unit - 4	Oil	1.56	1.66	0.2593
Unit - 5	NG	-	0.17	-
Unit - 5	Coal	0.91	0.20	0.0182
Unit - 5	Oil	0.09	1.58	0.0142
Unit - 6	NG	0.03	0.17	0.0005
Unit - 6	Oil	1.02	1.51	0.1545
Unit - 7	Oil	-	0.14	-
Thermal Total		3.62		0.4466
Total		3.62		0.45

Parameter	Unit	September 05
Variable cost of generation and power purchase considered in the Tariff Order	Paise/kWh	155.40
Variable cost of generation and power purchase as assessed for computation of FAC	Paise/kWh	180.75
Change in Variable cost of generation and power purchase (on per unit basis)	Paise/kWh	25.35
Gross generation & power purchase (Excluding Unit 4 generation for MSEB/Outside Licensed Area)	MU	1,050.89
Change in Variable cost of generation and power purchase	Rs Cr	26.64
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Cr	0.45
Net change in variable cost of generation & power purchase	Rs Cr	26.19

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

September 05				
Parameter	Unit	Sale within Licensed Area	Sale outside License Area (Excl sale from Unit 4)	Total
Sale	MU	1,007.75	11.91	1,019.67
Apportionment of Net Hydro generation (a)	MU	314.88	-	314.88
Apportionment of net thermal generation & power purchase (b)	MU	692.60	11.91	704.51
Apportionment of generation & Power purchase	MU	1,007.48	11.91	1,019.39
Apportionment of change in variable cost of generation & power purchase in proportion of (b) above	Rs Cr	25.75	0.44	26.19