

Computation of monthly FAC Charge for the month (j-2) December-04

Fuel	Tariff Order-December-04		December-04	
	CV	Price	CV	Price
	kCal/kG	Rs/MkCal	kCal/kG	Rs/MkCal
Natural Gas	13,000	305.40	13,146.64	304.89
Coal	4,750	481.00	4,822.00	503.82
Oil*	10,500	1,070.50	**	1,049.05
All Fuels		722.00		749.36

* 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-December-04		December-04	
	Heat Rate	Aux Cons	Heat Rate	Aux Cons
	kCal/kWh	%	kCal/kWh	%
Hydro Station	-	0.50%	-	0.62%
Unit 4, Trombay	2,574.00	7.80%	2,500.79	7.38%
Unit 5, Trombay	2,447.00	5.30%	2,452.56	5.08%
Unit 6, Trombay	2,338.40	3.20%	2,317.99	2.97%
Unit 7, Trombay	2,019.00	2.80%	2,037.50	2.29%

Table 3(A): Variable Cost of generation and Power Purchase					December-04		
Units/Station/ Source	Fuel	Tariff Order – December-04			Assessment for FAC determination for December-04		
		Var Cost Rs/kWh	Gen MUs	VCG Rs Cr	Var Cost Rs/kWh	Gen MUs	VCG Rs Cr
Hydel Station	None	-	96.50	-	-	105.06	-
Unit - 4	NG	0.79	-	-	0.78	-	-
Unit - 4	Oil	2.76	-	-	2.70	84.01	22.68
Unit - 5	NG	0.75	-	-	0.75	0.11	-
Unit - 5	Coal	1.18	326.50	38.43	1.23	312.61	38.54
Unit - 5	Oil	2.62	-	-	2.57	6.54	1.68
Unit - 6	NG	0.71	-	-	0.71	1.56	0.11
Unit - 6	Oil	2.50	315.10	78.88	2.45	326.46	80.08
Unit - 7	NG	0.62	111.80	6.89	0.62	115.47	7.11
Total Thermal Gen		1.65	753.40	124.20	1.77	846.75	150.21
Total Generation		1.46	849.90	124.20	1.58	951.81	150.21
Fuel handling Charges				0.90			0.64
Total generation including FHC (A)		1.47	849.90	125.10	1.58	951.81	150.84
Net Power Purchase from MSEB (B)		2.99	-	-	-	-	-
Less: Sale to MSEB from Unit 4			-	-	2.70	39.27	10.60
Var cost of generation and Power purchase (A+B)		1.47	849.90	125.10	1.54	912.54	140.24

Table 4: Excess Auxiliary consumption & Disallowance of change in variable cost

Unit/ Station	Fuel	December-04		
		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	0.12	0.11	0.001
Unit - 4	NG	-	-	-
Unit - 4	Oil	-	-	-
Unit - 5	NG	-	-	-
Unit - 5	Coal	-	0.06	-
Unit - 5	Oil	-	-	-
Unit - 6	NG	-	-	-
Unit - 6	Oil	-	-	-
Unit - 7	Oil	-	-	-
Total		0.12		0.001

Table 5: Change in Variable Cost of Generation and Power Purchase

Parameter	Unit	December-04
Variable cost of generation and power purchase considered in the Tariff Order	Rs/kWh	1.47
Variable cost of generation and power purchase as assessed for computation of FAC	Rs/kWh	1.54
Change in Variable cost of generation and power purchase (on per unit basis)	Rs/kWh	0.06
Gross generation & power purchase (Excluding Unit 4 generation for MSEB/Outside Licensed Area)	MU	912.54
Change in Variable cost of generation and power purchase	Rs Cr	5.91
Disallowance of FAC corresponding to excess auxiliary consumption	Rs Cr	0.00
Net change in variable cost of generation & power purchase	Rs Cr	5.91

Table 6(A): Apportionment of Change in Variable Cost of Generation and Power Purchase to Sale in License Area				
December-04				
Parameter	Unit	Sale within Licensed Area	Sale outside License Area (Excl sale from Unit 4)	Total
Sale	MU	770.97	83.01	853.99
Apportionment of Net Hydro generation (a)	MU	104.41	-	104.41
Apportionment of net thermal generation & power purchase (b)	MU	690.30	85.45	775.75
Apportionment of generation & Power purchase	MU	794.71	85.45	880.16
Apportionment of change in variable cost of generation & power purchase in proportion of (b) above	Rs Cr	5.26	0.65	5.91