

Licencee GRIDCO.Ltd.....		OERC FORM TRT-9 (A)			
TARIFF COMPUTATION FOR THERMAL STATION					
Name of Thermal Power Plant:		OPGC			
Descriptions	UNIT	Commission approval for previous year (FY 2007-08)	Commission approval for Current year (FY2008-09)	Commission approval for Current year (FY2009-10)	Licensee proposal for for ensuing year (FY 2010-11)
Capacity	MW	420	420	420	420
Auxilliary Consumption	%	9.5	9.5	9.5	9.5
Normative PLF	%	68.49	68.49	68.49	68.49
Generation Normative	MU/yr	2526.79	2519.88	2519.88	2829.09
Generation less Aux. (Normative)	MU/yr	2286.74	2280.50	2280.50	2560.33
Approved PLF	%	81.92698906	88.49	88.77	85.70
Generation Approved	MU/yr	3022.52	3255.82	3265.92	3153.01
Generation less aux. (approved) actual	MU/yr	2735.38	2946.52	2955.66	2853.47
GCV of Coal	Kcal/Kg	2918.75	2918.75	3025.80	2760.00
GCV of Oil	Kcal/Lt	10000.00	10000.00	10000	10000
Specific Coal Consumption	kg/kWh	0.84	0.84	0.81	0.89
Specific Oil Consumption	ml/kWh	3.50	3.50	3.50	3.50
Coal Price	Rs/Mt	570.68	570.68	1285.10	704.45
Oil Price	Rs/Kl	18505.82	18505.82	40591.40	37609.65
Station Heat Rate	Kcal/kwh	2500.00	2500.00	2500	2500.00
Approved capital cost	Rs.Crs	1060.00	1060.00	1060	1060
Approved Equity	Rs.Crs	450.00	450.00	450	450
Gross Loan	Rs.Crs	610.00	610.00	610	610
Net Loan	Rs.Crs	121.11	121.11	17.75	17.75
Rate of Interest	%	11.04	11.04	10.40	12.00
Rate of Return (upto 31.10.98)	%	16	16	16	16
Rate of Return (wef 31.10.98)	%	16	16	16	16
Current Capital Costs	Rs.Crs	1060	10.60	10.60	10.60
Base year for current capital costs	Year	1996-97	1996-97	1996-97	1996-113
O&M Escalation factor	%	8	8	8	8
Rate of O&M Expenses	Rs.Crs	2575	25.75	25.75	25.75
Rate of Depreciation	%	7.50	7.50	-	-
Rate of Interest on Working Capital	%	10.75	10.75	12.75	12.75
Tax Rate	%	10	10	10	10
Variable Charges					
Coal	p/kWh	52.35	52.35	115.68	66.84
Oil	p/kWh	6.17	6.17	15.70	12.41
Total Variable Charges (per unit)	p/kWh	58.52	58.52	131.38	79.25
TOTAL VARIABLE CHARGES	Rs.Crs	16008.38	172.44	388.31	226.13
Fixed Charges					
O&M Expenses	Rs.Crs	5147.44	51.47	70.03	75.63
Depreciation	Rs.Crs	7950.00	79.50	0	0
Advance Against Depreciation	Rs.Crs	-	-	-	-
Interest on loan	Rs.Crs	1132.77	11.33	1.54	0.57
Return on Equity	Rs.Crs	7200.00	72.00	72.00	72.00
Interest on Working Capital	Rs.Crs	877.35	8.77	15.46	10.59
Renovation & Modernisation Expenses	Rs.Crs	-	-	-	0.00
Impact of FERV		-	-	-	0.00
TOTAL FIXED CHARGES (APPROVED/NORMATIVE)	Rs.Crs	223.08	223.08	159.02	158.80
FIXED CHARGES (APPROVED/NORMATIVE)	p/kWh	0.82	0.76	0.54	0.56
TOTAL TARIFF (APPROVED/NORMATIVE)	p/kWh	59.34	59.28	131.92	79.80

Descriptions	UNIT	Commission approval for previous year (FY 2007-08)	Commission approval for Current year (FY2008-09)	Commission approval for Current year (FY2009-10)	Licensee proposal for for ensuing year (FY 2010-11)
Cumulative deemed generation	MU per yr	-	-	-	
Station generation at Normative level	MU per yr	2526.79	2519.88	2519.88	2829.09
Total Plant availability	%	81.9269891	88.49	88.77	85.70
Normative PLF	%	68.49	68.49	68.49	68.49
Incentive PLF	%	80.00	80.00	80.00	80.00
Dis-incentive PLF	%	68.49	68.49	68.49	68.49
Units for Incentive	MU	2951.42	2943.36	2943.36	3304.53
Units for Dis-incentive	MU	2526.79	2519.88	2519.88	2829.09
Incentive rate per % rise over normative or approved PLF	Rs.Crs	111.30	111.30	111.30	111.30
Dis-incentive rate	As per PPA	1.46%	1.46%	1.46%	1.46%
Incentive	Rs.Crs	214.47	9.45	9.76	6.34
Dis-incentive	Rs.Crs	-	-	-	-
Total Fixed cost with Incentive or dis-incentive	Rs.Crs	437.55	232.53	168.78	165.14
Fixed Charges (with incentive/ dis-incentive)	p/kWh	1.60	78.92	57.11	57.87
Total tariff (with incentive/ dis-incentive)	p/kWh	60.12	137.44	188.49	137.12
Additional cost due to FPA	Rs.Crs	30.54	32.89		14.99
FPA Rate	p/kWh	0.11	0.11		5.25
Year End Charges	p/kWh				17.58
Incentive/ (disincentive)	Rs.Crs	2.14	22.26	9.76	6.34
Income tax	Rs.Crs	9.20	10.49	9.20	37.07
Impact of Income Tax	p/kWh	0.03	0.00	0.00	0.13
Water cess & water tax	Rs.Crs	6.54	0.00	0.00	0.76
Impact of water cess & water tax	p/kWh	0.02	0.00	0.00	0.27
ED	Rs.Crs	5.74	6.19	6.21	5.68
ED	p/kWh	0.02	0.00	0.02	0.02
Other Charges if any	Rs.Crs	2.52	0.00	0.00	0.30
Total Year End Charges	Rs.Crs	26.14	38.94	25.17	50.16
Total Year End Charges	p/kWh	0.10	0.13	0.09	0.18
Total cost inclusive of FC+VC+ FPA+ IT +W.Cess & Tax & Others	Rs.Crs	162.88	467.35	572.50	450.08
Total charges inclusive of FC+VC+ FPA+ IT +W.Cess & Tax & Others	p/kWh	59.55	158.61	193.70	157.73
PGCIL Tr Charge	p/kWh	-	-	-	22.07
Tr.Loss		5%	4.50%	4.50%	4.30%
TOTAL RATE INCLUDING LOSS +TRANSMISSION					
Rate including Central loss					
Gridco's Share	%	100	100	100	100
Gridco's Share of Energy excl. loss	MU	2598.61	2813.93	2822.65	2725.07
Gridco's Share of the Fixed Costs	Rs. lakhs	223.08	223.08	159.02	158.80
Per unit Variable Charges	p/kWh	61.60	61.28	137.57	82.98
Fixed Charges (Approved/ Normative)	p/kWh	0.86	0.79	0.56	0.58
FPA Rate	p/kWh	0.12	0.1116351	0	5.25499
Total Year End Charges	p/kWh	0.10	0.14	0.09	0.18
PGCIL Transmission charges	p/kWh	-	-	-	-
Total rate incl. loss & transmission charges	p/kWh	62.68	62.32	138.22	89.00
Fixed Cost Based on Normative	p/kWh	0.86	0.79	0.56	0.58
VARIABLE COST	p/kWh	61.60	61.28	137.57	82.98