

Minicoy: Fuel Cost

GENERATION				
Minicoy	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	7.27	7.57	8.18
Auxiliary Consumption	MUs	0.041	0.042	0.05
Net Generation	MUs	7.23	7.53	8.13
Total Capacity	MW	2.80	2.80	2.80
Effective Capacity	MW	1.20	1.25	1.35
Plant Load Factor	%	72.12%	72.12%	72.12%
Auxiliary Consumption	%	0.56%	0.56%	0.56%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.28	0.28	0.28
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	14,540	15,145	16,357
Actual Oil Consumption	Kltr	2,058	2,143	2,315
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	8.56	9.87	13.35
Lube oil consumption	Liters	5,283.00	5,502.89	5,943.13
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.13	0.13	0.14
Total Fuel Cost	Rs Crores	8.69	10.01	13.49
Fuel Cost/Unit Gross	Rs/kWh	11.95	13.21	16.49
Fuel Cost/Unit Net	Rs/kWh	12.02	13.29	16.59

Kavaratti: Fuel Cost

GENERATION				
Kavaratti	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	9.99	10.56	11.13
Auxiliary Consumption	MUs	0.167	0.176	0.19
Net Generation	MUs	9.82	10.38	10.95
Total Capacity	MW	3.20	3.20	3.20
Effective Capacity	MW	1.75	1.85	1.95
Plant Load Factor	%	67.96%	67.96%	67.96%
Auxiliary Consumption	%	1.67%	1.67%	1.67%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.30	0.30	0.30
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	19,980	21,122	22,264
Actual Oil Consumption	Kltr	3,021	3,194	3,366
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	12.57	14.71	19.41
Lube oil consumption	Liters	7,682.00	8,121.07	8,560.05
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.18	0.19	0.21
Total Fuel Cost	Rs Crores	12.75	14.91	19.61
Fuel Cost/Unit Gross	Rs/kWh	12.77	14.11	17.62
Fuel Cost/Unit Net	Rs/kWh	12.98	14.35	17.92

Amini: Fuel Cost

GENERATION				
Amini	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	4.06	4.49	5.02
Auxiliary Consumption	MUs	0.047	0.052	0.06
Net Generation	MUs	4.01	4.44	4.96
Total Capacity	MW	1.90	1.90	1.90
Effective Capacity	MW	0.85	0.94	1.05
Plant Load Factor	%	56.86%	56.86%	56.86%
Auxiliary Consumption	%	1.15%	1.15%	1.15%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.34	0.34	0.34
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	8,120	8,979	10,030
Actual Oil Consumption	Kltr	1,363	1,508	1,684
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	5.67	6.95	9.71
Lube oil consumption	Liters	2,264.00	2,503.60	2,796.57
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.05	0.06	0.07
Total Fuel Cost	Rs Crores	5.73	7.01	9.78
Fuel Cost/Unit Gross	Rs/kWh	14.11	15.60	19.50
Fuel Cost/Unit Net	Rs/kWh	14.27	15.78	19.72

Andrott: Fuel Cost

GENERATION				
Andrott	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	6.01	7.10	7.65
Auxiliary Consumption	MUs	0.065	0.077	0.08
Net Generation	MUs	5.95	7.03	7.57
Total Capacity	MW	3.25	3.25	3.25
Effective Capacity	MW	1.10	1.30	1.40
Plant Load Factor	%	65.04%	65.04%	65.04%
Auxiliary Consumption	%	1.08%	1.08%	1.08%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.31	0.31	0.31
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	12,020	14,205	15,297
Actual Oil Consumption	Kltr	1,835	2,168	2,335
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	7.63	9.99	13.46
Lube oil consumption	Liters	7,812.00	9,231.90	9,942.04
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.19	0.22	0.24
Total Fuel Cost	Rs Crores	7.82	10.21	13.70
Fuel Cost/Unit Gross	Rs/kWh	13.01	14.38	17.91
Fuel Cost/Unit Net	Rs/kWh	13.16	14.53	18.11

Kalpeni: Fuel Cost

GENERATION				
Kalpeni	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	3.23	3.48	3.98
Auxiliary Consumption	MUs	0.226	0.244	0.28
Net Generation	MUs	3.00	3.24	3.70
Total Capacity	MW	1.25	1.25	1.25
Effective Capacity	MW	0.65	0.70	0.80
Plant Load Factor	%	59.16%	59.16%	59.16%
Auxiliary Consumption	%	7.00%	7.00%	7.00%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.30	0.30	0.30
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	6,460	6,957	7,951
Actual Oil Consumption	Kltr	972	1,047	1,197
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	4.05	4.82	6.90
Lube oil consumption	Liters	1,198.00	1,290.21	1,474.52
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.03	0.03	0.04
Total Fuel Cost	Rs Crores	4.07	4.85	6.94
Fuel Cost/Unit Gross	Rs/kWh	12.61	13.96	17.45
Fuel Cost/Unit Net	Rs/kWh	13.56	15.01	18.76

Agatti: Fuel Cost

GENERATION				
Agatti	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	4.98	5.27	5.86
Auxiliary Consumption	MUs	0.080	0.084	0.09
Net Generation	MUs	4.90	5.19	5.77
Total Capacity	MW	2.35	2.35	2.35
Effective Capacity	MW	0.85	0.90	1.00
Plant Load Factor	%	69.75%	69.75%	69.75%
Auxiliary Consumption	%	1.60%	1.60%	1.60%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.32	0.32	0.32
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	9,960	10,546	11,718
Actual Oil Consumption	Kltr	1,611	1,705	1,895
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	6.70	7.86	10.93
Lube oil consumption	Liters	3,642.00	3,856.35	4,284.83
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.09	0.09	0.10
Total Fuel Cost	Rs Crores	6.79	7.95	11.03
Fuel Cost/Unit Gross	Rs/kWh	13.63	15.07	18.82
Fuel Cost/Unit Net	Rs/kWh	13.85	15.32	19.13

Kadmat: Fuel Cost

GENERATION				
Kadmat	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	3.48	3.66	3.85
Auxiliary Consumption	MUs	0.226	0.238	0.25
Net Generation	MUs	3.25	3.43	3.60
Total Capacity	MW	2.40	2.40	2.40
Effective Capacity	MW	0.95	1.00	1.05
Plant Load Factor	%	43.61%	43.61%	43.61%
Auxiliary Consumption	%	6.49%	6.49%	6.49%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.38	0.38	0.38
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	6,960	7,326	7,693
Actual Oil Consumption	Kltr	1,331	1,401	1,471
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	5.54	6.45	8.48
Lube oil consumption	Liters	5,738.00	6,040.14	6,342.14
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.14	0.14	0.15
Total Fuel Cost	Rs Crores	5.68	6.60	8.63
Fuel Cost/Unit Gross	Rs/kWh	16.31	18.01	22.45
Fuel Cost/Unit Net	Rs/kWh	17.44	19.26	24.00

Kiltan: Fuel Cost

GENERATION				
Kiltan	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	2.18	2.35	2.55
Auxiliary Consumption	MUs	0.026	0.028	0.03
Net Generation	MUs	2.15	2.33	2.52
Total Capacity	MW	1.00	1.00	1.00
Effective Capacity	MW	0.50	0.54	0.56
Plant Load Factor	%	51.90%	51.90%	51.90%
Auxiliary Consumption	%	1.20%	1.20%	1.20%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.26	0.26	0.26
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	4,360	4,708	5,092
Actual Oil Consumption	Kltr	571	617	667
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	2.38	2.84	3.85
Lube oil consumption	Liters	1,921.00	2,074.49	2,243.52
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.05	0.05	0.05
Total Fuel Cost	Rs Crores	2.42	2.89	3.90
Fuel Cost/Unit Gross	Rs/kWh	11.12	12.28	15.32
Fuel Cost/Unit Net	Rs/kWh	11.25	12.43	15.51

Chetlat: Fuel Cost

GENERATION				
Chetlat	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	1.21	1.36	1.36
Auxiliary Consumption	MUs	0.041	0.046	0.05
Net Generation	MUs	1.17	1.31	1.31
Total Capacity	MW	0.50	0.50	0.50
Effective Capacity	MW	0.40	0.45	0.45
Plant Load Factor	%	36.01%	36.01%	36.01%
Auxiliary Consumption	%	3.40%	3.40%	3.40%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.42	0.42	0.42
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	2,420	2,722	2,722
Actual Oil Consumption	Kltr	511	575	575
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	2.13	2.65	3.32
Lube oil consumption	Liters	1,268.00	1,426.42	1,426.42
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.03	0.03	0.03
Total Fuel Cost	Rs Crores	2.16	2.68	3.35
Fuel Cost/Unit Gross	Rs/kWh	17.84	19.72	24.62
Fuel Cost/Unit Net	Rs/kWh	18.47	20.42	25.49

Bitra: Fuel Cost

GENERATION				
Bitra	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	0.21	0.28	0.33
Auxiliary Consumption	MUs	0.005	0.007	0.008
Net Generation	MUs	0.20	0.27	0.32
Total Capacity	MW	0.12	0.12	0.12
Effective Capacity	MW	0.06	0.08	0.09
Plant Load Factor	%	41.67%	41.67%	41.67%
Auxiliary Consumption	%	2.48%	2.48%	2.48%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.34	0.34	0.34
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	420	560	657
Actual Oil Consumption	Kltr	72	95	112
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	0.30	0.44	0.65
Lube oil consumption	Liters	298.00	397.37	466.19
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.01	0.01	0.01
Total Fuel Cost	Rs Crores	0.31	0.45	0.66
Fuel Cost/Unit Gross	Rs/kWh	14.53	16.05	20.00
Fuel Cost/Unit Net	Rs/kWh	14.90	16.46	20.51

Bangaram: Fuel Cost

GENERATION				
Bangaram	Units	FY 11-12	FY 12-13	FY 13-14
		Actuals	RE	Projected
Gross Generation	MUs	0.08	0.19	0.27
Auxiliary Consumption	MUs	0.022	0.053	0.075
Net Generation	MUs	0.06	0.14	0.19
Total Capacity	MW	0.12	0.12	0.12
Effective Capacity	MW	0.02	0.05	0.07
Plant Load Factor	%	63.49%	63.49%	63.49%
Auxiliary Consumption	%	27.98%	27.98%	27.98%
Station Heat Rate	kcal/kWh	2,000	2,000	2,000
Oil consumption	L/kWh	0.32	0.32	0.32
Calorific Value of Oil	kcal/gm	10,500	10,500	10,500
Overall Heat from Oil	G Cal	160	381	533
Actual Oil Consumption	Kltr	26	62	86
Price of Oil	Rs/Kltr	41,608	46,065	57,659
Cost of Oil	Rs Crores	0.11	0.28	0.50
Lube oil consumption	Liters	210.00	499.98	699.98
Price of Lube Oil	Rs./Liter	240.00	240.00	240.00
Cost of Lube Oil	Rs. Crores	0.01	0.01	0.02
Total Fuel Cost	Rs Crores	0.11	0.30	0.51
Fuel Cost/Unit Gross	Rs/kWh	14.07	15.51	19.26
Fuel Cost/Unit Net	Rs/kWh	19.54	21.54	26.74