

Form G 5.2
Energy Charges for Thermal Generation

Rajasthan Rajya Vidyut Utpadan Nigam Ltd.
GLPL Unit-2

Sno	Particulars	Units	2010-11
1	Operational Parameter		
1.1	Total Capacity	MW	125
1.2	Availability	%	70.00%
1.3	PLF	%	70.00%
1.4	Gross Generation	MU	42.00
1.5	Auxiliary Energy Consumption	%	11.50%
1.6	Auxiliary Energy Consumption	MU	4.83
1.7	Net Generation	MU	37.17
1.8	Heat Rate	kcal/kwh	2830.53
2	Fuel Parameters		
2.1	Calorific Value for Different Fuels		
2.1.1	Fuel 1(LDO)	kcal/ltr	10600.00
2.1.2	Fuel 2(HFO)	kcal/ltr	0.00
2.1.3	Fuel 3(Lignite COAL)	kcal/kg	3002.00
2.1.4	Fuel 4 (LIME)	kcal/kg	0.00
2.2	Landed Fuel Price for different fuels		0.00
2.2.1	Fuel 1(LDO)	Rs./KL	45400.00
2.2.2	Fuel 2(HFO)	Rs./KL	0.00
2.2.3	Fuel 3(Lignite COAL)	Rs./MT	753.44
2.2.4	Fuel 4 (LIME)	Rs./MT	611.00
3	Fuel Consumption and Heat Contribution (for each fuel separately)		
3.1	Specific Fuel Consumption		0.00
3.1.1	Fuel 1(LDO)	ml/kwh	3.00
3.1.2	Fuel 2(HFO)	ml/kwh	0.00
3.1.3	Fuel 3(Lignite COAL)	Kg/kwh	0.93
3.1.4	Fuel 4 (LIME)	Kg/kwh	0.26
3.2	Total Fuel Consumption		0.00
3.2.1	Fuel 1(LDO)	KL	126.00
3.2.2	Fuel 2(HFO)	KL	0.00
3.2.3	Fuel 3(Lignite COAL)	MT	39156.09
3.2.4	Fuel 4 (LIME)	MT	10963.71
3.3	Heat Content (each fuel separately)		0.00
3.3.1	Fuel 1(LDO)	Million kcal	0.00
3.3.2	Fuel 2(HFO)	Million kcal	0.00
3.3.3	Fuel 3(Lignite COAL)	Million kcal	0.00

3.3.4	Fuel 4 (LIME)	Million kcal	0.00
4	Total Fuel Cost		0.00
4.1	Fuel 1(LDO)	Rs Crore	0.57
4.2	Fuel 2(HFO)	Rs Crore	0.00
4.3	Fuel 3(Lignite COAL)	Rs Crore	2.95
4.4	Fuel 4 (LIME)	Rs Crore	0.67
	Total Fuel Cost	Rs Crore	4.19
5.1	Other Charges and Adjustments		0.00
5.2	Other Charges FOR WATER CESS & WATER CONSUMPTION	Rs Crore	0.00
5.3	Other Adjustments	Rs Crore	0.00
6	Total Cost	Rs Crore	4.19
7	Cost of Generation per unit		1.00
8	Energy Charges per unit		1.13

Particulars	Units	2010-11
0		
Operational Parameter		
Total Capacity	MW	125
Availability	%	70.00%
PLF	%	70.00%
Gross Generation	MU	42.00
Auxiliary Energy Consumption	%	11.50%
Auxiliary Energy Consumption	MU	4.83
Net Generation	MU	37.17
Heat Rate	kcal/kwh	2830.53
Fuel Parameters		
Calorific Value for Different Fuels		
Fuel 1(LDO)	kcal/ltr	10600.00
Fuel 2(HFO)	kcal/ltr	
Fuel 3(Lignite COAL)	kcal/kg	3002.00
Fuel 4 (LIME)	kcal/kg	
Landed Fuel Price for different fuels		
Fuel 1(LDO)	Rs./KL	45400.00
Fuel 2(HFO)	Rs./KL	
Fuel 3(Lignite COAL)	Rs./MT	753.44
Fuel 4 (LIME)	Rs./MT	611.00
Fuel Consumption and Heat Contribution (for each fuel separately)		
Specific Fuel Consumption		
Fuel 1(LDO)	ml/kwh	3.00
Fuel 2(HFO)	ml/kwh	
Fuel 3(Lignite COAL)	Kg/kwh	0.93
Fuel 4 (LIME)	Kg/kwh	0.26
Total Fuel Consumption		
Fuel 1(LDO)	KL	126.00
Fuel 2(HFO)	KL	
Fuel 3(Lignite COAL)	MT	39156.09

Fuel 4 (LIME)	MT	10963.71
Total Fuel Cost		
Fuel 1(LDO)	Rs Crore	0.57
Fuel 2(HFO)	Rs Crore	
Fuel 3(Lignite COAL)	Rs Crore	2.95
Fuel 4 (LIME)	Rs Crore	0.67
Total Fuel Cost	Rs Crore	4.19
Cost of Generation per unit		0.998
Energy Charges per unit		1.128

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2011-12	2012-13	2013-14
125	125	125
70.13%	72.63%	75.13%
70.13%	72.63%	75.13%
770.03	795.30	822.67
11.50%	11.50%	11.50%
88.55	91.46	94.61
681.47	703.84	728.07
2830.53	2830.53	2830.53
10600.00	10600.00	10600.00
0.00	0.00	0.00
3033.00	2994.00	3026.00
0.00	0.00	0.00
0.00	0.00	0.00
56456.91	63460.30	67000.00
0.00	0.00	0.00
796.12	825.00	905.00
611.00	611.00	611.00
0.00	0.00	0.00
3.00	3.00	3.00
0.00	0.00	0.00
0.92	0.93	0.92
0.26	0.26	0.26
0.00	0.00	0.00
2310.08	2385.90	2468.02
0.00	0.00	0.00
710549.76	743428.32	760885.51
198953.93	208159.93	213047.94
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

0.00	0.00	0.00
0.00	0.00	0.00
13.04	15.14	16.54
0.00	0.00	0.00
56.57	61.33	68.86
12.16	12.72	13.02
81.77	89.19	98.41
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
81.77	89.19	98.41
1.06	1.12	1.20
1.20	1.27	1.35

2011-12	2012-13	2013-14
125	125	125
70.13%	72.63%	75.13%
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770.03	795.30	822.67
11.50%	11.50%	11.50%
88.55	91.46	94.61
681.47	703.84	728.07
2830.53	2830.53	2830.53
10600.00	10600.00	10600.00
3033.00	2994.00	3026.00
56456.91	63460.30	67000.00
796.12	825.00	905.00
611.00	611.00	611.00
3.00	3.00	3.00
0.92	0.93	0.92
0.26	0.26	0.26
2310.08	2385.90	2468.02
710549.76	743428.32	760885.51

198953.93	208159.93	213047.94
13.04	15.14	16.54
56.57	61.33	68.86
12.16	12.72	13.02
81.77	89.19	98.41
1.062	1.121	1.196
1.200	1.267	1.352