

ANNEXURE A  
(SMALL HYDRO : 5 MW TO 25 MW)

Small Hydro : Assumptions Parameters

Sl. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Capacity
					5 MW to 25 MW
1	Power Generation	Capacity	Installed Power Generation Capacity Capacity Utilization Factor Auxiliary Consumption Deration Factor Useful Life	MW %  % Years	1 30% 1% 0.00% 35
2	Project Cost	Capital Cost/MW	Power Plant Cost	Rs. Lacs/MW	550
3	Sources of Fund		Tariff Period	Years	13
		<u>Debt Equity</u>	Debt Equity Total Debt Amount Total Equity Amount	% % Rs. Lacs Rs. Lacs	70% 30% 385 165
		<u>Debt Component</u>	Loan Amount Moratorium Period Repayment Period (incld Moratorium) Interest Rate	Rs. Lacs years years %	385.00 0 12 12.30%
		<u>Equity Component</u>	Equity amount Normative ROE (Post-tax) Return on Equity for first 10 years RoE Period Return on Equity for 11 <sup>th</sup> year onwards Weighted average of ROE Discount Rate	Rs. Lacs  % p.a Year % p.a  %	165.00 16% 20% 10 24.00% 22.86% 10.62%
4	Financial Assumptions		Income Tax MAT Rate (for first 10 years) 80 IA benefits	% % Yes/No	32.45% 20.00% Yes
		<u>Depreciation</u>	Depreciation Rate for first 12 years Depreciation Rate 13 <sup>th</sup> year onwards Years for 5.83% rate	% % 	5.83% 0.87% 12
5	Working Capital	<u>For Fixed Charges</u> O&M Charges Maintenance Spare Receivables for Debtors  Interest on Working Capital	(% of O&M expenses)	Months Months %	1 15% 2 12.80%
6	Operation & Maintenance	Power plant (FY 12-13) <u>Total O&amp;M Expenses</u> <u>Escalation</u>		%	14.00 5.72%

Based on the above Levelised Tariff for 35 years

Rs.4.16/Unit

ANNEXURE B  
(SMALL HYDRO : LESS THAN 5 MW)

Small Hydro : Assumptions Parameters

Sl. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Capacity
					Less than 5 MW
1	Power Generation	Capacity	Installed Power Generation Capacity Capacity Utilization Factor Auxiliary Consumption Deration Factor Useful Life	MW % % Years	1 30% 1% 0.00% 35
2	Project Cost	Capital Cost/MW	Power Plant Cost	Rs. Lacs/MW	600
3	Sources of Fund	<u>Debt Equity</u>	Tariff Period  Debt Equity Total Debt Amount Total Equity Amount	Years  % % Rs. Lacs Rs. Lacs	35  70% 30% 420 180
		<u>Debt Component</u>	Loan Amount Moratorium Period Repayment Period (incld Moratorium) Interest Rate	Rs. Lacs years years %	420.00 0 12 12.30%
		<u>Equity Component</u>	Equity amount Normative ROE (Post-tax) Return on Equity for first 10 years RoE Period Return on Equity for 11 <sup>th</sup> year onwards Weighted average of ROE Discount Rate	Rs. Lacs  % p.a Year % p.a	180.00 16% 20% 10 24.00% 22.86% 10.62%
4	Financial Assumptions	<u>Depreciation</u>	Income Tax MAT Rate (for first 10 years) 80 IA benefits  Depreciation Rate for first 12 years Depreciation Rate 13 <sup>th</sup> year onwards Years for 5.83% rate	% % Yes/No  % % %	32.45% 20.00% Yes  5.83% 0.87% 12
5	Working Capital	<u>For Fixed Charges</u> O&M Charges Maintenance Spare Receivables for Debtors  Interest on Working Capital	(% of O&M expenses)	Months  Months  %	1 15% 2 12.80%
6	Operation & Maintenance	Power plant (FY 12-13) <u>Total O&amp;M Expenses</u> <u>Escalation</u>		%	20.00 5.72%

Based on the above Levelised Tariff for 35 years

Rs.4.88/Unit

ANNEXURE C  
(Wind Energy Projects)

Assumptions : Wind Energy Projects

Sl. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Capacity
1	Power Generation	Capacity	Installed Power Generation Capacity Capacity Utilization Factor Deration Factor Useful Life	MW % % Years	1 25% 0.00% 25
2	Project Cost	Capital Cost/MW	Power Plant Cost	Rs. Lacs/MW	575.00
3	Sources of Fund	<u>Debt Equity</u>  <u>Debt Component</u>  <u>Equity Component</u> 16%	Tariff Period  Debt Equity Total Debt Amount Total Equity Amount  Loan Amount Moratorium Period Repayment Period (incld Moratorium) Interest Rate  Equity amount Return on Equity for first 10 years RoE Period Return on Equity for 11 <sup>th</sup> year onwards Weighted average of ROE Discount Rate	Years  % % Rs. Lacs Rs. Lacs  Rs. Lacs years years %  Rs. Lacs % p.a Year % p.a  % %	13  70% 30% 402.50 172.50  402.50 0 12 12.30%  172.50 20.00% 10 24.00% 22.40% 10.62%
4	Financial Assumptions	<u>Fiscal Assumptions</u>  <u>Depreciation</u>	Income Tax MAT Rate (for first 10 years) 80 IA benefits  Depreciation Rate for first 12 years Depreciation Rate 13 <sup>th</sup> year onwards Years for 5.83% rate	% % Yes/No  % % %	32.45% 20% Yes  5.83% 1.54% 12
5	Working Capital	<u>For Fixed Charges</u> O&M Charges Maintenance Spare Receivables for Debtors  <u>For Variable Charges</u> Interest on Working Capital	(% of O&M expenses)	Months  Months  %	1 15% 2  12.80%
6	Operation & Maintenance	Power plant (FY 12-13) <u>Total O&amp;M Expenses</u> <u>Escalation</u>		Rs. Lacs/MW %	9.00 5.72%

Based on the above Levelised Tariff for 25 years                      Rs.4.77/Unit