

Form 1.1 Form Template for (Wind Power) Parameter Assumptions

S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Base Case Wind Zone 4	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Capacity Utilization Factor	%	30%	
			Deration Factor	%	0.00%	
			Useful Life	Years	25	
2	Project Cost	Capital Cost/MW	Power Plant Cost	Rs Lacs/MW	515	
3	Sources of Fund	Debt: Equity	Tariff Period	Years	13	
			Debt	%	70%	
			Equity	%	30%	
			Total Debt Amount	Rs Lacs	360.5	
			Total Equity Amout	Rs Lacs	154.5	
			Debt Component	Loan Amount	Rs Lacs	360.5
				Moratorium Period	years	0
				Repayment Period(incld Moratorium)	years	10
				Interest Rate	%	14.29%
			Equity Component	Equity amount	Rs Lacs	154.5
				Return on Equity for first 10 years	% p.a	19.00%
				RoE Period	Year	10
				Return on Equity 11th year onwards	% p.a	24.00%
Weighted average of ROE	%	22.00%				
Discount Rate	%	16.60%				
4	Financial Assumptions	Fiscal Assumptions	Income Tax	%	33.99%	
			MAT Rate (for first 10 years)	%	16.995%	
			80 IA benefits	Yes/No	Yes	
			Depreciation	Depreciation Rate for first 10 years	%	0.0%
				Depreciation Rate 11th year onwards	%	7.00%
				Years for 7% rate		1.33%
10						
5	Working Capital	For Fixed Charges	O&M Charges	Months	1	
			Maintenance Spare	(% of O&M exepenses)	15%	
			Receivables for Debtors	Months	2	
			For Variable Charges	Interest On Working Capital	%	13.79%
7	Operation & Maintenance	power plant	Total O & M Expenses Escalation	Rs Lakh	6.5	
				%	5.72%	

Determination of Accelerated Depreciation for wind Power Projects under Wind Zone- 4

Depreciation amount	90%
Book Depreciation rate	5.28%
Tax Depreciation rate	80%
Income Tax (MAI)	16.995%
Income Tax (Normal Rates)	33.99%
Capital Cost	515.0

Years	Unit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Book Depreciation	Rs Lakh	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	1.24	0.00	0.00

Accelerated Depreciation		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Opening	%	100%	60%	12%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Allowed during the year	%	40%	48.00%	9.60%	1.92%	0.38%	0.08%	0.02%	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%
Closing	%	60%	12%	2.40%	0.48%	0.10%	0.02%	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%
Accelerated Deprn.	Rs Lakh	206.00	247.20	49.44	9.89	1.98	0.40	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Net Depreciation Benefit	Rs Lakh	178.81	220.01	22.25	-17.30	-25.21	-26.80	-27.11	-27.18	-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-1.24	0.00	0.00	
Tax Benefit	Rs Lakh	30.39	37.39	3.78	-2.94	-4.29	-4.55	-4.61	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-4.62	-0.42	0.00	0.00
Energy generation	MU	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	
Per unit benefit	Rs/Unit	1.16	1.42	0.14	-0.11	-0.16	-0.17	-0.18	-0.18	-0.18	-0.18	-0.18	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.02	0.00	0.00
Discounting Factor		1.00	0.86	0.74	0.63	0.54	0.46	0.40	0.34	0.29	0.25	0.22	0.18	0.16	0.14	0.12	0.10	0.09	0.07	0.06	0.05		

Levelised benefit	0.25	Rs/Unit
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