

Form 1.1 Form Template for (Wind Power) Parameter Assumptions

S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Base Case Wind Zone 3	
1	Power Generation	Capacity	Installed Power Generation Capacity	MW	1	
			Capacity Utilization Factor	%	27%	
			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		Tariff Period	Years	13	
			<u>Debt: Equity</u>			
			Debt	%	70%	
			Equity	%	30%	
			Total Debt Amount	Rs Lacs	360.5	
			Total Equity Amout	Rs Lacs	154.5	
			<u>Debt Component</u>			
			Loan Amount	Rs Lacs	360.5	
			Moratorium Period	years	0	
			Repayment Period(incl Moratorium)	years	10	
			Interest Rate	%	14.29%	
			<u>Equity Component</u>			
			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	<u>Fiscal Assumptions</u>	Income Tax	%	33.99%	
			MAT Rate (for first 10 years)	%	16.995%	
			80 IA benefits	Yes/No	Yes	
			<u>Depreciation</u>			
			Depreciation Rate for first 10 years	%	7.00%	
			Depreciation Rate 11th year onwards	%	1.33%	
Years for 7% rate		10				
5	Working Capital		<u>For Fixed Charges</u>			
			O&M Charges	Months	1	
			Maintenance Spare	(% of O&M exepenses)	15%	
			Receivables for Debtors	Months	2	
			<u>For Variable Charges</u>			
Interest On Working Capital	%	13.79%				
7	Operation & Maintenance	power plant	Total O & M Expenses	Rs Lakh	6.5	
			Escalation	%	5.72%	

Determination of Accelerated Depreciation for wind Power Projects under Wind Zone- 3

Depreciation amount	90%
Book Depreciation rate	5.28%
Tax Depreciation rate	80%
Income Tax (MAT)	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	%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	0.24%	0.00%	0.00%
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																						
Opening	%	100%	60%	12%	2%	0%	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%	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%	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	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	-9.24	-9.24	-9.24	-9.24	-9.24	-9.24	-9.24	-9.24	-0.42	0.00	0.00
Energy generation	MU	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37
Per unit benefit	Rs/Unit	1.28	1.58	0.16	-0.12	-0.18	-0.19	-0.19	-0.20	-0.20	-0.20	-0.39	-0.39	-0.39	-0.39	-0.39	-0.39	-0.39	-0.39	-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	0.28	Rs/Unit
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