

Form 1.1 Assumptions Parameters

S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Base Case Wind Zone 2
1	Power Generation	Capacity	Installed Power Generation Capacity Capacity Utilization Factor Deration Factor Useful Life	MW % % Years	1 23% 0.00% 25
2	Project Cost	Capital Cost/MW	Power Plant Cost	Rs Lacs/MW	515
3	Sources of Fund	Debt: Equity	Tariff Period Debt Equity Total Debt Amount Total Equity Amout	Years % % Rs Lacs Rs Lacs	13 70% 30% 360.5 154.5
		Debt Component	Loan Amount Moratorium Period Repayment Period(incld Moratorium) Interest Rate	Rs Lacs years years %	360.5 0 10 14.29%
		Equity Component	Equity amount Return on Equity for first 10 years RoE Period Return on Equity 11th year onwards Weighted average of ROE Discount Rate	Rs Lacs % p.a Year % p.a % %	154.5 19.00% 10 24.00% 22.00% 16.60%
4	Financial Assumptions	Fiscal Assumptions	Income Tax MAT Rate (for first 10 years) 80 IA benefits	% % Yes/No	33.99% 16.995% Yes
		Depreciation	Depreciation Rate for first 10 years Depreciation Rate 11th year onwards Years for 7% rate	% % %	0.0% 7.00% 1.33% 10
5	Working Capital	For Fixed Charges O&M Charges Maintenance Spare Receivables for Debtors For Variable Charges Interest On Working Capital	(% of O&M exepenses)	Months Months %	1 15% 2 13.79%
7	Operation & Maintenance	power plant Total O & M Expenses Escalation		Rs Lakh %	6.5 5.72%

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
10.72	11.34	11.99	12.67	13.40	14.16	14.97	15.83	16.73	17.69	18.70	19.77	20.90	22.10	23.36	24.70
36.05	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87	6.87
2.58	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
2.20	1.67	1.71	1.75	1.79	1.83	1.88	1.93	1.98	2.03	2.09	2.15	2.21	2.28	2.35	2.43
29.36	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08	37.08
80.91	56.96	57.64	58.37	59.13	59.94	60.80	61.70	62.66	63.67	64.74	65.87	67.06	68.33	69.66	71.07

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0.53	0.56	0.59	0.63	0.66	0.70	0.74	0.79	0.83	0.88	0.93	0.98	1.04	1.10	1.16	1.23
1.79	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
0.13	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
0.11	0.08	0.08	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.12
1.46	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
4.02	2.83	2.86	2.90	2.93	2.98	3.02	3.06	3.11	3.16	3.21	3.27	3.33	3.39	3.46	3.53

0.251	0.215	0.185	0.158	0.136	0.116	0.100	0.086	0.073	0.063	0.054	0.046	0.040	0.034	0.029	0.025
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Determination of Accelerated Depreciation for Wind Power Projects under Wind Zone - 2

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
Book Depreciation	%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%
Book Depreciation	Rs Lakh	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19	27.19

Accelerated Depreciation											
Opening	%	100%	60%	12%	2%	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%
Closing	%	60%	12%	2.40%	0.48%	0.10%	0.02%	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

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
Tax Benefit	Rs Lakh	30.39	37.39	3.78	-2.94	-4.29	-4.55	-4.61	-4.62	-4.62	-4.62
Energy generation	MU	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
Per unit benefit	Rs/Unit	1.51	1.86	0.19	-0.15	-0.21	-0.23	-0.23	-0.23	-0.23	-0.23
Discounting Factor		1.00	0.86	0.74	0.63	0.54	0.46	0.40	0.34	0.29	0.25

Levellised benefit	0.32	Rs/Unit
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11	12	13	14	15	16	17	18	19	20
5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	0.24%	0.00%	0.00%
27.19	27.19	27.19	27.19	27.19	27.19	27.19	1.24	0.00	0.00

0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
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%	0.00%	0.00%
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-27.19	-1.24	0.00	0.00
-9.24	-9.24	-9.24	-9.24	-9.24	-9.24	-9.24	-0.42	0.00	0.00
2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.02	0.00	0.00
0.22	0.18	0.16	0.14	0.12	0.10	0.09	0.07	0.06	0.05