

1.1 Form Template for (Other States SHP 5MW to 25 MW SHP) Assumptions Parameters

S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Other States
					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	500
3	Financial Assumption	Debt: Equity	Tariff Period Debt Equity Total Debt Amount Total Equity Amout	Years % % Rs Lacs Rs Lacs	13 70% 30% 350 150
		Debt Component	Loan Amount Moratorium Period Repayment Period(incld Moratorium) Intrest Rate	Rs Lacs years years %	350 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 (equiv. to WACC) 11th year onwards	Rs Lacs % p.a Year % p.a % %	150 19% 10 24.00% 22.57% 16.8%
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	% % %	7.00% 0.80% 10
5	Working Capital	For Fixed Charges	O&M Charges Maintenance Spare Receivables for Debtors	Months (% of O&M exepenses) Months	1 15% 2
		For Variable Charges	Intrest On Working Capital	%	13.79%
7	Operation & Maintenance	O&M Expense power plant Total O & M Expenses	% of base capital cost Escalation	Lakh %	0% 12 5.72%

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
19.80	20.93	22.13	23.39	24.73	26.14	27.64	29.22	30.89	32.66	34.53	36.50	38.59	40.80	43.13
35.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2.50	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
2.67	2.12	2.19	2.26	2.34	2.42	2.50	2.59	2.69	2.78	2.89	3.00	3.12	3.24	3.38
28.50	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
88.47	63.05	64.32	65.65	67.07	68.56	70.14	71.81	73.58	75.44	77.42	79.50	81.71	84.04	86.51

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
0.76	0.80	0.85	0.90	0.95	1.00	1.06	1.12	1.19	1.26	1.33	1.40	1.48	1.57	1.66
1.35	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
0.10	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
0.10	0.08	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.13
1.10	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
3.40	2.42	2.47	2.52	2.58	2.64	2.70	2.76	2.83	2.90	2.98	3.06	3.14	3.23	3.33

0.248	0.212	0.182	0.156	0.133	0.114	0.098	0.084	0.072	0.061	0.053	0.045	0.039	0.033	0.028
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25	26	27	28	29	30	31	32	33	34	35
1	1	1	1	1	1	1	1	1	1	1
2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60

25	26	27	28	29	30	31	32	33	34	35
45.60	48.21	50.96	53.88	56.96	60.22	63.66	67.31	71.16	75.23	79.53
4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.52	3.66	3.82	3.98	4.16	4.34	4.54	4.74	4.96	5.19	5.43
36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00	36.00
89.11	91.87	94.78	97.86	101.12	104.56	108.20	112.05	116.11	120.41	124.96

25	26	27	28	29	30	31	32	33	34	35
1.75	1.85	1.96	2.07	2.19	2.31	2.45	2.59	2.73	2.89	3.06
0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.14	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.20	0.21
1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38
3.43	3.53	3.64	3.76	3.89	4.02	4.16	4.31	4.46	4.63	4.80

0.024	0.021	0.018	0.015	0.013	0.011	0.010	0.008	0.007	0.006	0.005
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Determination of Accelerated Depreciation for (Other States SHP 5MW To 25 MW)

Depreciation amount	90%
Book Depreciation rate	5.28%
Tax Depreciation rate	80%
Income Tax (MAT)	17%
Income Tax (Normal Rates)	33.99%
Capital Cost	500.0

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	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40	26.40

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	200.00	240.00	48.00	9.60	1.92	0.38	0.08	0.02	0.00	0.00

Net Depreciation Benefit	Rs Lakh	173.60	213.60	21.60	-16.80	-24.48	-26.02	-26.32	-26.38	-26.40	-26.40
Tax Benefit	Rs Lakh	29.50	36.30	3.67	-2.86	-4.16	-4.42	-4.47	-4.48	-4.49	-4.49
Energy generation	MU	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
Per unit benefit	Rs/Unit	1.13	1.40	0.14	-0.11	-0.16	-0.17	-0.17	-0.17	-0.17	-0.17
Discounting Factor		1.00	0.86	0.73	0.63	0.54	0.46	0.39	0.34	0.29	0.25

Levellised benefit	0.25	Rs/Unit
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11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	5.28%	0.24%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
26.40	26.40	26.40	26.40	26.40	26.40	26.40	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0%	0%	0%	0%	0%	0%	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%	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

-26.40	-26.40	-26.40	-26.40	-26.40	-26.40	-26.40	-1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-8.97	-8.97	-8.97	-8.97	-8.97	-8.97	-8.97	-0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60
-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.21	0.18	0.16	0.13	0.11	0.10	0.08	0.07	0.06	0.05	0.04	0.04	0.03	0.03	0.02	0.02

