

1.1 Form Template for (Other States SHP Less than 5MW) Assumptions Parameters

S. No.	Assumption Head	Sub-Head	Sub-Head (2)	Unit	Other States
					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	550
3	Financial Assumption	Debt: Equity  Debt Component  Equity Component	Tariff Period  Debt Equity Total Debt Amount Total Equity Amount  Loan Amount Moratorium Period Repayment Period(inclcd Moratorium) Intrest Rate  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	Years  % % Rs Lacs Rs Lacs  Rs Lacs years years %  Rs Lacs % p.a Year % p.a  % %	35  70% 30% 385 165  385 0 10 14.29%  165 19% 10 24.00% 22.57% 16.8%
4	Financial Assumptions	Fiscal Assumptions  Depreciation	Income Tax MAT Rate (for first 10 years) 80 IA benefits  Depreciation Rate for first 10 years Depreciation Rate 11th year onwards Years for 7% rate	% % Yes/No  % % %	33.99% 16.995% Yes  7.00% 0.80% 10
5	Working Capital	For Fixed Charges O&M Charges Maintenance Spare Receivables for Debtors For Variable Charges Intrest On Working Capital	(% of O&M exepenses)	Months  Months  %	1 15% 2 13.79%
7	Operation & Maintenance	O&M Expense power plant Total O & M Expenses Escalation	% of base capital cost	Lakh %	0% 17 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
28.05	29.65	31.35	33.14	35.03	37.04	39.16	41.40	43.76	46.27	48.91	51.71	54.67	57.80	61.10
38.50	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
2.75	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
3.29	2.71	2.80	2.91	3.01	3.13	3.25	3.37	3.51	3.65	3.80	3.95	4.12	4.30	4.48
31.35	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60
<b>103.94</b>	<b>76.36</b>	<b>78.15</b>	<b>80.04</b>	<b>82.05</b>	<b>84.16</b>	<b>86.40</b>	<b>88.77</b>	<b>91.27</b>	<b>93.91</b>	<b>96.71</b>	<b>99.67</b>	<b>102.79</b>	<b>106.10</b>	<b>109.59</b>

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1.08	1.14	1.20	1.27	1.35	1.42	1.51	1.59	1.68	1.78	1.88	1.99	2.10	2.22	2.35
1.48	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
0.11	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
0.13	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.17
1.20	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
<b>3.99</b>	<b>2.93</b>	<b>3.00</b>	<b>3.08</b>	<b>3.15</b>	<b>3.23</b>	<b>3.32</b>	<b>3.41</b>	<b>3.51</b>	<b>3.61</b>	<b>3.72</b>	<b>3.83</b>	<b>3.95</b>	<b>4.08</b>	<b>4.21</b>

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
64.60	68.29	72.20	76.33	80.70	85.31	90.19	95.35	100.80	106.57	112.67
4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40	4.40
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4.68	4.89	5.11	5.34	5.59	5.85	6.13	6.42	6.73	7.05	7.40
39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60	39.60
<b>113.28</b>	<b>117.18</b>	<b>121.31</b>	<b>125.67</b>	<b>130.29</b>	<b>135.16</b>	<b>140.32</b>	<b>145.77</b>	<b>151.53</b>	<b>157.62</b>	<b>164.06</b>

25	26	27	28	29	30	31	32	33	34	35
2.48	2.62	2.78	2.93	3.10	3.28	3.47	3.66	3.87	4.10	4.33
0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.18	0.19	0.20	0.21	0.21	0.22	0.24	0.25	0.26	0.27	0.28
1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52
<b>4.35</b>	<b>4.50</b>	<b>4.66</b>	<b>4.83</b>	<b>5.01</b>	<b>5.20</b>	<b>5.39</b>	<b>5.60</b>	<b>5.82</b>	<b>6.06</b>	<b>6.31</b>

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 Less than 5MW)**

Depreciation amount	90%
Book Depreciation rate	5.28%
Tax Depreciation rate	80%
Income Tax (MAT)	17%
Income Tax (Normal Rates)	33.99%
Capital Cost	550.0

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	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04	29.04

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	220.00	264.00	52.80	10.56	2.11	0.42	0.08	0.02	0.00	0.00

Net Depreciation Benefit	Rs Lakh	190.96	234.96	23.76	-18.48	-26.93	-28.62	-28.96	-29.02	-29.04	-29.04
Tax Benefit	Rs Lakh	32.45	39.93	4.04	-3.14	-4.58	-4.86	-4.92	-4.93	-4.93	-4.94
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	1.25	1.53	0.16	-0.12	-0.18	-0.19	-0.19	-0.19	-0.19	-0.19
Discounting Factor		1.00	0.86	0.73	0.63	0.54	0.46	0.39	0.34	0.29	0.25

<b>Levellised benefit</b>	<b>0.27</b>	<b>Rs/Unit</b>
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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%
29.04	29.04	29.04	29.04	29.04	29.04	29.04	1.32	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

-29.04	-29.04	-29.04	-29.04	-29.04	-29.04	-29.04	-1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-9.87	-9.87	-9.87	-9.87	-9.87	-9.87	-9.87	-0.45	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
-0.38	-0.38	-0.38	-0.38	-0.38	-0.38	-0.38	-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

