

Basic Financial data and Cash Flow for setting up of 100 KWp On-Grid Roof Top Solar Power Project for Industrial

PART-I Preliminary Information

Description of Project		
Project Size	KW	100
Project Life	Years	25
Use		Captive
No. of unit generated p.a.	Units	120,000.00
Total Project Cost (TPC)	Rs.	5,200,000.00
Add: GST @ 5%/18%		293,800.00
Total Project Cost (TPC)	Rs.	5,493,800.00

Current Power Tariff rate including fix charges	Rs.	8.00
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A	Source of Fund		
	Bank Finance @ 10 % p.a.	Rs.	4,120,350.00
	Own Fund	Rs.	1,373,450.00
	Total	Rs.	5,493,800.00

PART-II Analysis of Cash Flows during Loan Repayment Tenure

Rs. In Lakhs

B	Cash Inflow	Year-1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
		Income Tax Benefit on a/c of Depreciation @ 40 %	5.49	3.30	1.98	1.19	0.71	0.43	0.26	0.15	0.09
Approx. saving p.a. on a/c of Energy Bill @ Rs.8/unit	9.60	9.55	9.50	9.93	9.88	10.32	10.27	10.73	11.21	11.15	
GST Input credit	2.94	-	-	-	-	-	-	-	-	-	
Total Cash Inflow	18.03	12.85	11.48	11.12	10.59	10.75	10.53	10.88	11.30	11.21	
C	Net Cash Outflows	Year-1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Own Investment	(13.73)	-	-	-	-	-	-	-	-	-	
Loan Repayment	(9.16)	(9.16)	(9.16)	(9.16)	(9.16)	(9.16)	(9.16)	-	-	-	
O & M Cost	-	(0.55)	(0.55)	(0.55)	(0.55)	(0.58)	(0.58)	(0.58)	(0.58)	(0.58)	
Total Cash Outflows	(22.89)	(9.71)	(9.71)	(9.71)	(9.71)	(9.74)	(0.58)	(0.58)	(0.58)	(0.58)	
Net Cash flows (B-C)	(4.86)	3.14	1.77	1.41	0.88	1.01	9.95	10.31	10.73	10.63	
ROI			23%	13%	10%	6%	7%	72%	75%	78%	77%