

**Basic Financial data and Cash Flow for setting up of 100 KWp RT Solar Power Project for School**

**PART-I Preliminary Information**

<b>Description of Project</b>		
Project Size	KW	100
Project Life	Years	25
Use		Captive
No. of unit generated p.a.	Units	146,000.00
<b>Total Project Cost (TPC)</b>	<b>Rs.</b>	<b>5,675,000.00</b>
<b>Less: Subsidy @ 70 %</b>	<b>Rs.</b>	<b>3,972,500.00</b>
<b>Total Project Cost</b>	<b>Rs.</b>	<b>1,702,500.00</b>

<b>Current Power Tariff rate including fix charges</b>	<b>Rs.</b>	<b>4.50</b>
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<b>A Source of Fund</b>		
Bank Finance @ 10.5% p.a.	Rs.	1,196,750.00
Own Fund	Rs.	505,750.00
<b>Total</b>	<b>Rs.</b>	<b>1,702,500.00</b>

**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
		Approx. saving p.a. on a/c of Energy Bill @ Rs.4.50/unit	6.57	6.54	6.50	6.80	6.76	7.06	7.03	7.34	7.67
<b>Total saving</b>	<b>6.57</b>	<b>6.54</b>	<b>6.50</b>	<b>6.80</b>	<b>6.76</b>	<b>7.06</b>	<b>7.03</b>	<b>7.34</b>	<b>7.67</b>	<b>7.63</b>	
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	(5.06)	-	-	-	-	-	-	-	-	-	
Loan Repayment	(3.09)	(3.09)	(3.09)	(3.09)	(3.09)	-	-	-	-	-	
O & M Cost	(0.57)	(0.60)	(0.63)	(0.66)	(0.69)	(0.72)	(0.76)	(0.80)	(0.84)	(0.88)	
<b>Total Cash Outflows</b>	<b>(8.71)</b>	<b>(3.68)</b>	<b>(3.71)</b>	<b>(3.74)</b>	<b>(3.78)</b>	<b>(0.72)</b>	<b>(0.76)</b>	<b>(0.80)</b>	<b>(0.84)</b>	<b>(0.88)</b>	
<b>Net Cash flows (B-C)</b>	<b>(2.14)</b>	<b>2.85</b>	<b>2.79</b>	<b>3.05</b>	<b>2.99</b>	<b>6.34</b>	<b>6.27</b>	<b>6.54</b>	<b>6.83</b>	<b>6.75</b>	
<b>IRR</b>	<b>26%</b>										
<b>ROI</b>		<b>56%</b>	<b>55%</b>	<b>60%</b>	<b>59%</b>	<b>125%</b>	<b>124%</b>	<b>129%</b>	<b>135%</b>	<b>134%</b>	