

# Jinnah Block:

## Energy Label fan payback estimation:



S H A M A

Solar Energy for Cleaner Living

Cost of New EL Fan	3100	Rs
Cost of installation	200	Rs
Sale of Old fan	700	Rs
Effective Cost of New EL Fan	2,600	
Consumption of old fan	110	Watts
Consumption of EL fan	65	Watts
Energy savings per fan	45	Watts
Fan running hrs per day	6	hr
School days per month	26	days
Months for fan operation	8	Months
Energy saved per month per fan	7	kw-hrs (Units)
No. of fans installed	223	
Energy saved per month, all fans	1,565	kw-hrs (Units)
Cost of Electricity per unit	18	Rs/Unit
Electricity bill savings per month	28,178	
<b>Electricity bill savings per year</b>	<b>225,426</b>	

Year	Cost	Savings	Net benefit
1	579,800	225,426	(354,374)
2		225,426	(128,948)
3		225,426	96,479
4		225,426	321,905
5		225,426	547,331

Colour legend:

	Generic assumptions
	Site specific data
	Calculated results

Payback and financial benefits estimation in Rs.

