



Case study for Fit it, Lit it, Forget it experience

Cost saving arising out of customized work undertaken by Kratu Energy

Sr No	Description	Details
1	Company details	An Indian arm of a German MNC.
2	Location	Mumbai
3	Problems faced by the Company	The Company runs for all 24 hours & has a canteen for its Managerial, Supervisory & Worker staff. They wanted hot water throughout 3 shifts for bathing of 130 canteen employees & to clean the utensils without increasing energy spend.
4	Objective	Based on the above requirement, a study was undertaken by us for about 8 days to: 1. Estimate their average daily requirement of hot water on a normal day, 2. Structural stability of the building for setting up a solar water heater system 3. Suggest a solution with a payback period not vastly exceeding a payback period of 6 months. 4. To ensure that the hot water is always available throughout the shifts at a minimum temperature of 45°+.
5	Usage details	Approximately a uniform need of 2000 L in 1 st shift, 1500 L in the 2 nd Shift & 1000 L in the 3 rd shift with a tolerance of 500 L.
6	Solution provided	A rooftop solar water heating system with a capacity of 4500 LPD, subdivided in 3 tanks each of 1500 LPD per shift with a common additional tank of 500L was provided.
7	Warranty	1 year
8	Estimated Financial impact for a FY	In addition to a maintained/ improved hygiene, the solution would save an electrical energy of 1 L units worth INR 10 L p.a. at current rates & increasing.
9	a) Your organization may be able to experience similar savings. b) Further details can be explained during personal discussions. c) Awaiting for an opportunity to visit you for discussions. d) This information is verifiable. The reference can be provided upon a sufficient progress.	
10	Disclaimer: The above results are obtained for the clients in their setup. The actual results will vary from Customer to Customer & will be driven by actual operating parameters.	