




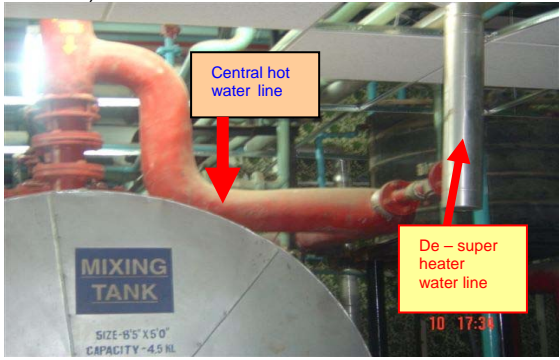

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Installation of New Energy Efficient AC plant.	Sector : Private Sector			
Year to be filled by BEE		Technology : Air Conditioning			
Description of the energy conservation measure: <ol style="list-style-type: none"> 1. Installed new multi choice (with 75Tr, 115Tr & 115Tr screw compressor) energy efficient AC plant in place of 300Tr Semi hermetic (single Compressor) AC plant which gives wide range of operation and 0.65KW/Tr in place of 1.25KW/Tr AC out put. 2. New AC plant is employed with plate type De-super heater to recover the rejected heat from the AC plant also it gives improvement on AC plant efficiency & reduces the Cooling tower requirements. 3. New AC plant is working with R-22 Refrigerant and the previous one was working with R-12 Refrigerant. 					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Unit Initiative .					
Total investment : Rs 40.00 Lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 2.336Lacs					
First year other savings, Rs.: 2.50Lacs					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	1.25KW/Tr	NA	NA	9.038/month	NA
Energy consumption after	0.65KW/Tr	NA	NA	8.125/month	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.89	NA	NA	34.75	NA
Company complete address: G.Paranthaman. Dy. Chief Engineer. Taj residency. 41/3 M.G.Road. Bangalore – 560001.			We authorise Bureau to use this information for dissemination Signature Date		
Contact person who could be contacted for more information:					



Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Installation of New Automatic HT voltage stabilizer.	Sector : Private Sector			
Year to be filled by BEE		Technology : Power supply			
Description of the energy conservation measure: <ol style="list-style-type: none"> 1. Hotel had unstable power supply in the past, voltage was fluxuating badly from 350 to 470 volts, due to which the loss of power, equipments & Lights. 2. Hotel has LT transformers with manual off load tap changing facility, which was not helped to avoid the above problem. 3. Hotel has employed the Automatic on Load HT voltage stabilizer helped to maintain the hotel's supply voltage requirements if 395 to 405 volts. 4. Due to the above power and equipments loss has been ruled out also the fusing rate of the bulbs has been come down drastically. 					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
"Manual off load Tap changing" facility in LT transformer					
Agency that executed the project (with complete address and email): Unit Initiative.					
Total investment : Rs 18.00 Lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs. 2.83Lacs					
First year other savings, Rs.: 3.00Lacs (Approx)					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before (Power loss)	11760/ Day	NA	NA	NA	High cost maint
Energy consumption after	11629/ Day	NA	NA	NA	Low cost maint
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.89	NA	NA	NA	NA
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Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Installation of New Thermal storage.	Sector : Private Sector			
Year to be filled by BEE		Technology : Heat Recovery			
<p>Description of the energy conservation measure:</p> <ol style="list-style-type: none"> 1. No thermal storage earlier from AC plant rejected heat recovery – was connected with central hot water system, there was not effective heat recovery been achieved some time it was reverse heating the AC plant if not monitored. 2. Hotel installed a new 28KL thermal storage with separate water circulation system, works along with the AC plant and recovers maximum rejected heat from Heat exchanger of the AC plant. 3. The above heat recovery was helped hotel to generate 20 to 40KL of hot water per day and reduces the hot water boiler operation by 1 to 3hrs a day. saves Fuel from boiler, power by reducing one cooling tower operation a day up to 10hrs. 					
<p>Picture/ sketch/ drawing before modification (if available)</p> 	<p>Picture/ sketch/ drawing after modification</p> 				
Agency that executed the project (with complete address and email): Unit Initiative.					
Total investment : Rs 5.50 Lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs.1.59 Lacs					
First year other savings, Rs. 2.53Lacs					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	150units / day	NA	NA	65 – 90 Liters/day	NA
Energy consumption after	100units/ day	NA	NA	40 to 65 Liters/ day	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.89	NA	NA	34.75	NA
<p>Company complete address: G.Paranthaman. Dy. Chief Engineer. Taj residency. 41/3 M.G.Road. Bangalore – 560001.</p> <p>Contact person who could be contacted for more information:</p>				<p>We authorise Bureau to use this information for dissemination</p> <p>Signature</p> <p>Date</p>	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Installation of New Energy Efficient Water pumps.	Sector : Private Sector			
Year to be filled by BEE		Technology : Water Pumping			
Description of the energy conservation measure: <ol style="list-style-type: none"> 1. Hotel had non energy efficient, low efficiency mono block cold water booster pumps, 2. Old pumps are been replaced with new energy efficient, auto cutoff pumps for guest room cold water boosting which gives the 50% saving over old pumps. 3. New grundfos pumps are low friction noise less pumps, which is giving better efficiency, low maintenance requirements, better life etc. 					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Unit Initiative.					
Total investment : Rs .1.33 Lacs	Year of implementation: 2006-07				
First year energy cost savings, Rs.0.568Lacs Lacs					
First year other savings, ---- Saving on maintenance cost. NA					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	19272 units/ year	NA	NA	NA	NA
Energy consumption after	9636 units/ year	NA	NA	NA	NA
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5.89	NA	NA	NA	NA
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