



Energy Conservation Measure implemented in 2007-2008



(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Primary chilled water pump in plant room			Sector : Air-conditioning	
Year to be filled by BEE				Technology	
Description of the energy conservation measure: One primary pump impeller resized to match system head due to which power saving is 2.28 kw. Eventually the primary chilled water pumps will be replaced with higher efficiency pumps giving further saving					
Description		Unit	Before Implementation (A)	After Implementation (B)	
Average measured power consumption (Based on installed energy meter readings)		Kw	21.22	18.94	
Total Power savings (A-B)		kw		2.28	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.01 lacs			Year of implementation: Aug 2007		
First year energy cost savings: Rs.0.97 lacs /year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	83726				
Energy consumption after	74731				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
				Date	

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Energy Conservation Measure implemented in 2007-2008



(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Replace condenser water pump with suitable head.	Sector: Air-conditioning			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: 100 hp centrifugal chiller condenser pumps is used for VAM instead of 125 hp. One 100 hp centrifugal chiller condenser pump impeller was trimmed and started using for centrifugal chiller.					
Description	Unit	Before Implementation (A)	After Implementation (B)		
Average measured power consumption of VAM condenser pump	kw	93	75		
Average measured power consumption of centrifugal chiller condenser pump	kw	73	58.12		
Total Power Savings	Kw		36		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
 <p style="text-align: center; color: yellow;">Before implementation: 125 hp condenser pump for VAM</p>			 <p style="text-align: center; color: yellow;">After implementation: 100 hp condenser pump for VAM</p>		
Agency that executed the project (with complete address and email):					
Total investment, Rs. 0.02 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs. 13.52 lacs/ year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	627165				
Energy consumption after	501771				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Minimize pressure loss across boiler area supply area fan damper by fan speed.			Sector: Air-conditioning	
Year to be filled by BEE				Technology	
Description of the energy conservation measure: Reduced speed by change of suitable drive pulley and eliminated throttling of damper.					
Description		Unit	Before Implementation (A)	After Implementation (B)	
Measured power consumption		Kw	16.5	8.1	
Total Power Savings (A- B)		Kw		8.4	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs. 0.02 lacs			Year of implementation: : Aug 2007		
First year energy cost savings, Rs. 5.95 lacs/ year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	108405				
Energy consumption after	53217				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.58				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
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Energy Conservation Measure implemented in 2007-2008



(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector : Electrical		
Year to be filled by BEE	Replace existing standard 12 V, 50 W halogen lamps with energy efficient 12 V, 35 W IRC halogen lamps		Technology		
Description of the energy conservation measure: Replaced 12 V, 36°, 50 W standard halogen lamp with 12 V, 36°, 35 W energy efficient IRC halogen lamp					
Description	Unit	Before Implementation (A)	After Implementation (B)		
Average power consumption per lamp	W	50	35		
AC load corresponding to 60 % of wattage of the lamp**	W	7.3	5.1		
Total Power savings (A-B)	W		17.20		
<p>** Air conditioning load = $W \times 860(\text{kcal/hr/kW}) \times 0.85 (\text{kW/TR}) / 3024 (\text{kcal/TR})$ 1 kW = 860 kcal/hr, specific power consumption of chiller system = 0.85 kW/TR, 1 TR = 3024 kcal/hr</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 9.06 lacs			Year of implementation: Dec 2007		
First year energy cost savings, Rs: 11.28 lacs /year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	507971				
Energy consumption after	403332				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055 Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile : 91 - 930371206				We authorise Bureau to use this information for dissemination Signature Date	

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Energy Conservation Measure implemented in 2007-2008



(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure To replaced existing ballast with energy saving ballast with reflector	Sector: Electrical			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Removed 150 twin fixtures and replaced 370 twin fixtures with single 28 W Opal electronic ballast with reflector without affecting the operations					
Description		Unit	Before Implementation (A)	After Implementation (B)	
Average measured power consumption of VAM condenser pump		kw	73	30	
Total Power Savings		Kw			41
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 2.87 lacs			Year of implementation: Aug 07		
First year energy cost savings, Rs. 24.32 lacs/ year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	332530				
Energy consumption after	97236				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
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Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector: Electrical		
Year to be filled by BEE	Switch provision in service floor & occupancy lighting sensors in identified locations.		Technology		
Description of the energy conservation measure: Installed switches for fluorescent lamps lighting circuit at the entrance of service floor. Installed sensors – 62 nos. in BOH area.					
Description		Unit	Before Implementation (A)	After Implementation (B)	
Average power consumption		Kwh/day	590.30	229.50	
Total Power Savings (A- B)		Kw		360.8	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 2.79 lacs			Year of implementation: Aug 07		
First year energy cost savings, Rs: 14.20 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	215460				
Energy consumption after	83768				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...(present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
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Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure 11 W CFL in Service lift landing / Lift Shaft		Sector: Electrical		
Year to be filled by BEE			Technology		
Description of the energy conservation measure: Replaced 144 nos. 60w Incandescent lamps with 11 W CFL in service lift landing & Lift Shaft					
Description	Unit	Before Implementation (A)	After Implementation (B)		
Average power consumption	W	60	11		
Total Power Savings (A- B)	Kw	49			
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.29 lacs			Year of implementation: March 2008		
First year energy cost savings, Rs: 3.04 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	33639				
Energy consumption after	5396				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Replaced 50w halogen lamp with 20w		Sector: Electrical		
Year to be filled by BEE			Technology		
Description of the energy conservation measure: Replaced 20nos. 50w halogen lamps with 20w Halogen lamp in Plaza cloak room					
Description	Unit	Before Implementation (A)	After Implementation (B)		
Average power consumption per lamp	W	50	20		
Total Power Savings	Kw		30		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.01 lacs			Year of implementation: Feb 2008		
First year energy cost savings, Rs: 0.57 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	8760				
Energy consumption after	3504				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present) ...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector: Electrical																				
Year to be filled by BEE	Lighting presets set for setup & Cleaning mode in GBR		Technology																				
Description of the energy conservation measure: In each GBR locking arrangements done for dimmer panel & set the preset for cleaning & setup mode to avoid wastage of energy (i.e. Total connected load -110 kw & energy saving by using cleaning preset -78 kw).																							
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 35%;">Description</th> <th style="width: 10%;">Unit</th> <th style="width: 20%;">Before Implementation (A)</th> <th colspan="3" style="width: 25%;">After Implementation (B)</th> </tr> <tr> <td>Average power consumption</td> <td>kwh/day</td> <td>110</td> <td colspan="3">32</td> </tr> <tr> <td>Total Power Savings</td> <td>kwh/day</td> <td></td> <td colspan="3">78</td> </tr> </table>						Description	Unit	Before Implementation (A)	After Implementation (B)			Average power consumption	kwh/day	110	32			Total Power Savings	kwh/day		78		
Description	Unit	Before Implementation (A)	After Implementation (B)																				
Average power consumption	kwh/day	110	32																				
Total Power Savings	kwh/day		78																				
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification																				
																							
Agency that executed the project (with complete address and email):																							
Total investment, Rs. 0.00 lacs			Year of implementation: Aug 2008																				
First year energy cost savings, Rs: 9.21 lacs/ year																							
First year other savings, Rs:																							
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other																		
Energy consumption before	40150																						
Energy consumption after	11680																						
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present) ...	10.78																						
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination																			
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ID to be filled by BEE	Title of the measure 11 W CFL in Health Club		Sector: Electrical		
Year to be filled by BEE			Technology		
Description of the energy conservation measure: Replaced 64 nos. 60w Incandescent lamps with 11w CFL in service lift landing.					
Description	Unit	Before Implementation (A)	After Implementation (B)		
Average power consumption per lamp	W	60	11		
Total Power Savings	Kw		49		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.07 lacs			Year of implementation: July 2008		
First year energy cost savings, Rs: 2.47 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	28032				
Energy consumption after	5139				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present) ...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai -400 055				We authorise Bureau to use this information for dissemination	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Apartment swimming pool filtration pump.	Sector : Plumbing			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Filtration pumps replaced with optimally size pump and pipeline modified.					
Description	Unit	Before Implementation	After Implementation		
Average measured power consumption	kw	4.4	2.0		
Powers savings (A-B)	kw		2.4		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.42lacs			Year of implementation: Aug 2008		
First year energy cost savings, Rs: 1.13 lacs/ year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	19272				
Energy consumption after	8760				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055 Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile : 91 -9930371206				We authorise Bureau to use this information for dissemination Signature Date	

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Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Main hotel pool filtration pump	Sector : Plumbing			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Filtration pumps replaced with optimally size pump and pipeline modified.					
Description	Unit	Before Implementation	After Implementation		
Average measured power consumption	kw	7.5	3.4		
Powers savings (A-B)	kw		4.1		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.53 lacs			Year of implementation: Aug 2008		
First year energy cost savings, Rs: 1.94 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	32850				
Energy consumption after	14890				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present) ...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Cold room Condenser pump	Sector : Plumbing			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Existing pump replaced with optimally size pump					
Description	Unit	Before Implementation	After Implementation		
Average measured power consumption	kw	5.57	3.9		
Powers savings (A-B)	kw		1.67		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.28 lacs			Year of implementation: Aug 2008		
First year energy cost savings, Rs: 0.79 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	24397				
Energy consumption after	17082				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
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ID to be filled by BEE	Title of the measure Replace 1A (Four corner) fountain pump with optimal capacity	Sector : Plumbing			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Removed filtration pump and using filter through main pump modification & main pump replaced with optimally sized new pump					
Description	Unit	Before Implementation	After Implementation		
Average measured power consumption	kw	5.76	1.36		
Powers savings (A-B)	kw		4.4		
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.14 lacs		Year of implementation: Aug 2007			
First year energy cost savings, Rs: 2.08 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	25229				
Energy consumption after	5957				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
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ID to be filled by BEE	Title of the measure			Sector : Plumbing	
Year to be filled by BEE	Replace Ballroom garden fountain pump & filtration pump with optimal capacity pump.			Technology	
Description of the energy conservation measure: Removed filtration pump & using filter through main pump by pipe modification and main pump replaced with optimally sized pump.					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	3.24	0.74	
Powers savings (A-B)		kw		2.5	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs. 0.07 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 1.18 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	14191				
Energy consumption after	3241				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:					

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(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Replace existing 40' ft fountain pump. Nandi fountain, centre court yard fountain & filtration pump with optimal capacity pump.			Sector : Plumbing	
Year to be filled by BEE				Technology	
Description of the energy conservation measure: Removed 40-feet and central courtyard fountain filter pumps and started using filter through main pump. Done pipe modification in central courtyard fountain and started using 2 pumps instead of 4 pumps. 40-feet fountain pump replaced with new optimally sized pump					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	13.41	7.3	
Powers savings (A-B)		kw		6.11	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.53 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 4.09 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	83209				
Energy consumption after	45297				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kl (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
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ID to be filled by BEE	Title of the measure			Sector : Plumbing	
Year to be filled by BEE	Replace Jacuzzi fountain -men & women - with single optimal capacity pump			Technology	
Description of the energy conservation measure: Both men and women area Jacuzzi fountain filter pumps and one main pump were isolated and started using both fountains with one new pump					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	4.33	0.55	
Powers savings (A-B)		kw		3.78	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.19 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 2.53 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	26868				
Energy consumption after	3413				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
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ID to be filled by BEE	Title of the measure			Sector : Plumbing	
Year to be filled by BEE	Replace existing Bosque fountain and filtration pump with optimal capacity pump			Technology	
Description of the energy conservation measure: Fountain and filtration pumps replaced with optimally sized one new pump and pipeline modified					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	8.86	3.8	
Powers savings (A-B)		kw		5.06	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.22 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 2.39 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	38807				
Energy consumption after	16644				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
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ID to be filled by BEE	Title of the measure			Sector : Plumbing	
Year to be filled by BEE	Replace residential fountain pump and filtration pump with optimal capacity pump			Technology	
Description of the energy conservation measure: Fountain and filtration pumps replaced with optimally sized one new pump and pipeline modified					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	9.3	1.9	
Powers savings (A-B)		kw		7.4	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.29 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 4.37 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	50918				
Energy consumption after	10403				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile : 91 -9930371206					
				Signature	
				Date	

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2007-2008 and a CD containing the above information may be please be enclosed.

Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Replace existing ascent fountain pump with optimal capacity pump (Residence swimming pool)			Sector : Plumbing	
Year to be filled by BEE				Technology	
Description of the energy conservation measure: Old pump replaced with optimally sized new pump and pipeline modified					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	13.18	1.8	
Powers savings (A-B)		kw		11.38	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.58 lacs			Year of implementation: Oct 2007		
First year energy cost savings, Rs: 5.37 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	57728				
Energy consumption after	7884				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile : 91 -9930371206					
				Signature	
				Date	

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Energy Conservation Measure implemented in 2007-2008



(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure			Sector : Plumbing	
Year to be filled by BEE	Replace existing 5A fountain pump with optimal capacity pump			Technology	
Description of the energy conservation measure: Fountain and filtration pumps replaced with optimally sized one new pump and pipeline modified					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	5.15	2.2	
Powers savings (A-B)		kw		2.95	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.19 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 1.39 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	22557				
Energy consumption after	9636				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
Contact person who could be contacted for more information:				Signature	
				Date	

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Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector : Plumbing		
Year to be filled by BEE	Replace The Garden fountain pump with optimal capacity pump		Technology		
Description of the energy conservation measure: Old pump replaced with optimally sized new pump					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	1.14	0.25	
Powers savings (A-B)		kw		0.89	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.04 lacs			Year of implementation: Nov 2007		
First year energy cost savings, Rs: 0.42 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	4993				
Energy consumption after	1095				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present) ...	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
Contact person who could be contacted for more information:					
				Signature	
				Date	

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Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector : Plumbing		
Year to be filled by BEE	Replace existing The Garden -2 fountain pump with optimal capacity pump		Technology		
Description of the energy conservation measure: Old pump replaced with optimally sized new pump					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	0.93	0.20	
Powers savings (A-B)		kw		0.73	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.04 lacs			Year of implementation: Nov 2007		
First year energy cost savings, Rs: 0.34 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	4073				
Energy consumption after	876				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination	
Contact person who could be contacted for more information:					
				Signature	
				Date	

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Energy Conservation Measure implemented in 2007-2008

(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure			Sector : Plumbing	
Year to be filled by BEE	Stop 2 out of 7 main porch fountain pumps by utilizing existing valve header assembly.			Technology	
Description of the energy conservation measure: Two pumps stopped out of 7 pumps.					
Description		Unit	Before Implementation	After Implementation	
Average measured power consumption		kw	36.8	25.94	
Powers savings		kw		10.86	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.00 lacs			Year of implementation: Aug 2007		
First year energy cost savings, Rs: 7.26 lacs/ year					
First year other savings, Rs:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	228344				
Energy consumption after	160958				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination Signature Date	
Contact person who could be contacted for more information:					

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Energy Conservation Measure implemented in 2007-2008

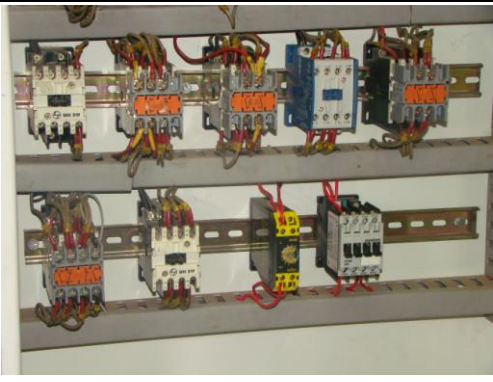
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure				Sector : Plumbing	
	Rescheduling of Fountains.					
Year to be filled by BEE					Technology	
Description of the energy conservation measure: Rescheduled of all the fountains by placing mechanical timer.						
Description		Unit	Before Implementation	After Implementation		
Average measured power consumption		kwh/day	2950.98	2388.504		
Powers savings		kwh/day		562.476		
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
Agency that executed the project (with complete address and email):						
Total investment, Rs.: 0.00 lacs			Year of implementation:			
First year energy cost savings, Rs: 22.13lacs/ year						
First year other savings, Rs:						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	1077108					
Energy consumption after	871804					
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78					
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorize Bureau to use this information for dissemination Signature Date		
Contact person who could be contacted for more information:						

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2007-2008 and a CD containing the above information may be please be enclosed

Energy Conservation Measure implemented in 2007-2008

(To be filled up separately for each Energy Conservation Measure)


ID to be filled by BEE	Title of the measure	Sector : Thermal			
Year to be filled by BEE	Provide timer switch control to minimize redundant operating duration of hot water circulation pumps	Technology			
Description of the energy conservation measure: Installed auto timer control to stop idle operation of pump during boiler shut period					
Description	Unit	Before Implementation	After Implementation		
Average measured power consumption of guest area and public area pumps	kW	5.4	5.4		
Guest area hot water circulation pump operating hours	hrs/day	24	19.6		
Pump area hot water circulation pump operating hours	hrs/day	24	19.6		
Energy saving per day	Kwh/day			48.4	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 0.21 lacs			Year of implementation:		
First year energy cost savings, Rs.:					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	94608				
Energy consumption after	38632				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)	10.78				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai – 400 055				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile : 91 -9930371206				Signature	
				Date	

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Annexure 'A'

Energy Conservation Measure implemented in 2007-2008

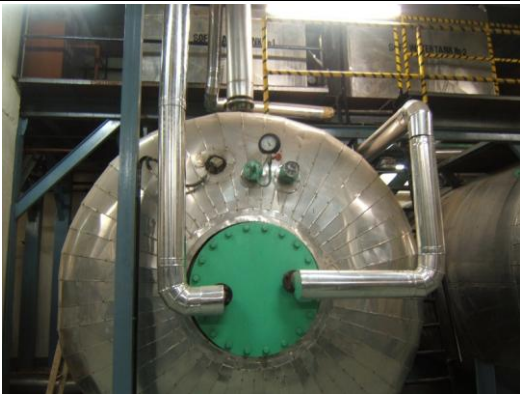
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure		Sector Thermal																				
Year to be filled by BEE	Reduce flue gas losses in steam boilers by periodic analysis and fine tuning		Technology																				
Description of the energy conservation measure: Flue gas analysis procured and boilers fine tuned to maintain oxygen and excess air level within limits.																							
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th style="width: 33%;">Description</th> <th style="width: 15%;">Unit</th> <th style="width: 15%;">Before Implementation</th> <th style="width: 15%;">After Implementation</th> <th style="width: 15%;"></th> <th style="width: 10%;"></th> </tr> <tr> <td>Average gas consumption</td> <td>Scm/day</td> <td>1485</td> <td>1471</td> <td></td> <td></td> </tr> <tr> <td>Gas saving (A-B)</td> <td>Scm/day</td> <td></td> <td>13.6</td> <td></td> <td></td> </tr> </table>						Description	Unit	Before Implementation	After Implementation			Average gas consumption	Scm/day	1485	1471			Gas saving (A-B)	Scm/day		13.6		
Description	Unit	Before Implementation	After Implementation																				
Average gas consumption	Scm/day	1485	1471																				
Gas saving (A-B)	Scm/day		13.6																				
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification																				
																							
Agency that executed the project (with complete address and email):																							
Total investment, Rs.: 0.60 lacs			Year of implementation:																				
First year energy cost savings, Rs.:																							
First year other savings, Rs.:																							
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other																		
Energy consumption before			542025																				
Energy consumption after			536915																				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)...			37.69																				
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (East) Mumbai 400 055				We authorise Bureau to use this information for dissemination																			
Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile – 91 - 9930371206				Signature																			
				Date																			

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2007-2008 and a CD containing the above information may be please be enclosed.

Energy Conservation Measure implemented in 2007-2008


(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Install heat recovery system for recovering heat from condensate	Sector : <u>Thermal</u>																												
Year to be filled by BEE		Technology																												
Description of the energy conservation measure: Flue gas analysis procured and boilers fine tuned to maintain oxygen and excess air level within limits.																														
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 45%;">Description</th> <th style="width: 10%;">Unit</th> <th style="width: 15%;">Before Implementation</th> <th style="width: 15%;">After Implementation</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr> <td>Average gas consumption measured</td> <td>Scm/day</td> <td>1345.6</td> <td>1050.4</td> <td></td> </tr> <tr> <td>Average energy consumption measured</td> <td>Kwh/day</td> <td>216.0</td> <td>156.7</td> <td></td> </tr> <tr> <td>Gas saving (A-B)</td> <td>Scm/day</td> <td></td> <td>295.2</td> <td></td> </tr> <tr> <td>Energy saving</td> <td>Kwh/day</td> <td></td> <td>59.3</td> <td></td> </tr> </tbody> </table>						Description	Unit	Before Implementation	After Implementation		Average gas consumption measured	Scm/day	1345.6	1050.4		Average energy consumption measured	Kwh/day	216.0	156.7		Gas saving (A-B)	Scm/day		295.2		Energy saving	Kwh/day		59.3	
Description	Unit	Before Implementation	After Implementation																											
Average gas consumption measured	Scm/day	1345.6	1050.4																											
Average energy consumption measured	Kwh/day	216.0	156.7																											
Gas saving (A-B)	Scm/day		295.2																											
Energy saving	Kwh/day		59.3																											
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification																											
																														
Agency that executed the project (with complete address and email):																														
Total investment, Rs.: 3.55 lacs			Year of implementation:																											
First year energy cost savings, Rs.:																														
First year other savings, Rs.:																														
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other																									
Energy consumption before	78840		491144																											
Energy consumption after	57196		383396																											
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL (present)...	10.78		37.69																											
Company complete address: Grand Hyatt Mumbai Off Western Express Highway Vakola Santacruz (E) Mumbai – 400 055				We authorise Bureau to use this information for dissemination																										
Contact person who could be contacted for more information:				Signature																										
				Date																										

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Energy Conservation Measure implemented in 2007-2008

(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure STP Up gradation		Sector : Water		
Year to be filled by BEE			Technology		
Description of the energy conservation measure: Up- grade existing STP system in order to give maximum water for recycling which can be used for gardening and Cooling Towers.					
Description		Unit	Before Implementation	After Implementation	
Average water availability / day		KL	00	400	
Water savings				400	
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email):					
Total investment, Rs.: 13.80 lacs			Year of implementation: Feb 2008		
First year energy cost savings, Rs: 37.74 lacs/ year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Water (kL)	Other
Energy consumption before				65700	
Energy consumption after				146000	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...				47	
Company complete address: Grand Hyatt Mumbai Off Western Express Highway, Vakola Santacruz (E) Mumbai – 400 055				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Sandeep Chogale Mobile – 91 - 9930371206				Signature	
				Date	

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