


Energy Conservation Measure implemented in 2007-08

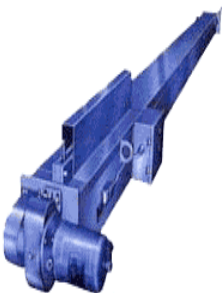
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure ENCON Projects	Sector ...Refinery.....			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Replacement of refractory lining with Ceramic Fiber (CF) module in Reformer furnace (22-F-002 & 22-F-003) . (The detail calculation is attached)					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Estemm Engineering					
Total investment, Rs.: 51.0	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 21.46 lakh/year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (FO+FG) MT/year
Energy consumption before					-
Energy consumption after					-
Energy savings					21.46
Energy tariff, Rs/MT ...					19,105.81
Company complete address: Bongaigaon Refinery & Petrochemicals Ltd. (A group company of Indian Oil) PO-Dhaligaon ,Dist.- Chirang PIN-783385 (Assam) Contact person who could be contacted for more information: Shri R.K.Jha, Energy Manager				We authorise Bureau to use this information for dissemination Signature Date: 23.09.08	

Note: Please submit this sheet separately for each Energy Conservation Measure implemented in 2007-08 and a CD containing the above information may be please enclosed.

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ID to be filled by BEE	Title of the measure ENCON Projects		Sector ...Refinery.....		
Year to be filled by BEE			Technology		
Description of the energy conservation measure: Installation of new sootblowers with PLC control in Crude Distillation Unit-I furnace. (The detail calculation is attached)					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
			 Long Retractable Soot Blower		
Agency that executed the project (with complete address and email): BHEL Soot-blowers					
Total investment, Rs.: 45.0			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 12.49 lakh/year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (FO+FG) MT/year
Energy consumption before					-
Energy consumption after					-
Energy savings					77.3
Energy tariff, Rs/MT ...					19,105.81
Company complete address: Bongaigaon Refinery & Petrochemicals Ltd. (A group company of Indian Oil) PO-Dhaligaon ,Dist.- Chirang PIN-783385 (Assam)				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Shri R.K.Jha, Energy Manager				Signature	
				Date: 23.09.08	

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Energy Conservation Measure implemented in 2007- 08


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ID to be filled by BEE	Title of the measure Operational Measures	Sector ...Refinery.....			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Revamp of Delayed Coking Unit-I by incorporating 5 nos. of ENCON schemes – (1) addition of 2 addl rows in convection section, (2) Replacement of burners with low excess air burner (3) replacement of refractory lining with CF module, (4) Replacement of peep-hole doors (5) Repair of soot-blowers (The detail calculation sheet is attached)					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Esteem Engineering					
Total investment, Rs.: 417	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 406.38 lakh/year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (Equivalent FO+FG) MT/year
Energy consumption before					-
Energy consumption after					-
Energy savings					2127
Energy tariff, Rs/MT ...					19105.81
Company complete address: Bongaigaon Refinery & Petrochemicals Ltd. (A group company of Indian Oil) PO-Dhaligaon ,Dist.- Chirang PIN-783385 (Assam) Contact person who could be contacted for more information: Shri R.K.Jha, Energy Manager				We authorise Bureau to use this information for dissemination Signature Date: 23.09.08	

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

ID to be filled by BEE	Title of the measure ENCON Projects		Sector ...Refinery.....		
Year to be filled by BEE			Technology		
Description of the energy conservation measure: Re-insulation of 1 no. of RCO tank to preserve RCO at higher temperature. (The detail calculation is attached)					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Lloyd Insulation					
Total investment, Rs.: 45.0			Year of implementation: 2007-08		
First year energy cost savings, Rs.: 50.92 lakh/year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (FO+FG) MT/year
Energy consumption before					-
Energy consumption after					-
Energy savings					267
Energy tariff, Rs/MT ...					19,105.81
Company complete address: Bongaigaon Refinery & Petrochemicals Ltd. (A group company of Indian Oil) PO-Dhaligaon ,Dist.- Chirang PIN-783385 (Assam)				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Shri R.K.Jha, Energy Manager				Signature	
				Date: 23.09.08	

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ID to be filled by BEE	Title of the measure ENCON Projects	Sector ...Refinery.....			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: Re-insulation of heat exchangers/vessels/process steam lines of refinery units with better insulation material (Perlite) (The detail calculation is attached)					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Own measures					
Total investment, Rs.: 10.0	Year of implementation: 2007-08				
First year energy cost savings, Rs.: 52.3 lakh/year					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (FO+FG) MT/year
Energy consumption before					-
Energy consumption after					-
Energy savings					274
Energy tariff, Rs/MT ...					19,105.81
Company complete address: Bongaigaon Refinery & Petrochemicals Ltd. (A group company of Indian Oil) PO-Dhaligaon ,Dist.- Chirang PIN-783385 (Assam) Contact person who could be contacted for more information: Shri R.K.Jha, Energy Manager				We authorise Bureau to use this information for dissemination Signature Date: 23.09.08	

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