

Energy Conservation Measures Implemented in 2007-2008



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

ID to be filled by BEE	Title of measure				Sector : GENERAL
Year to be filled by BEE	Recycling of product (High Carbon Ferro Chrome/ Charge Chrome) rejects in furnace				Technology : Smelting & reduction of Chrome ore in sub merged arc furnace
Description of the energy conservation measure :					
<p>The product rejects (High Carbon Ferro Chrome/Ferro Chrome) like slag coated metal generated in the product handling yard during processing of the product are recycled by feeding into furnace along with regular raw materials to use the prevailing heat inside the furnace and could improve prime metals recovery resulting decrease in specific power consumption for production of High Carbon Ferro Chrome/ Charge Chrome</p>					
Picture / Sketch / drawing before modification (If available)			Picture / Sketch / drawing after modification		
Not Applicable			The product rejects are shifted from product processing yard to furnace by departmentally. No modification in the process is done.		
Agency that executed the project (with complete address and e mail) :					
By the organization itself					
Total investment Rs. NIL			Year of implementation : 2007		
First year energy cost saving Rs. 76.52 lakh					
First year other savings Rs. No					
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others
Energy conservation before(Sp.Power)	3984 Kwh/MT				
Energy conservation after (Sp. Power) (Production 65793 MT for 2007-08)	3906 Kwh/MT				
Energy tariff Rs/Kwh	1.491				
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314				We authorize Bureau to use this information for dissemination	
Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in				Signature : S.K.Panigrahi Date : 01.10.2008	

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

Energy Conservation Measures Implemented in 2007-2008


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

ID to be filled by BEE	Title of measure				Sector : GENERAL
Year to be filled by BEE	Replacement of Furnace cooling water pump motor with energy efficient motor				Technology : -
Description of the energy conservation measure : One of the furnace cooling water pump of 75 KW was replaced with an energy efficient motor of 37 KW rating for energy conservation at Charge Chrome Plant.					
Picture / Sketch / drawing before modification (If available) 			Picture / Sketch / drawing after modification 		
Agency that executed the project (with complete address and e mail) : Executed by the organization itself					
Total investment Rs. 3.82 Lakh			Year of implementation : 2007		
First year energy cost saving Rs. 1.96 lakh					
First year other savings Rs. NO					
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others
Energy conservation before	428400				
Energy conservation after	297200				
Energy tariff Rs/Kwh	1.491				
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314 Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in				We authorize Bureau to use this information for dissemination Signature : S.K.Panigrahi Date : 01.10.2008	

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

Energy Conservation Measures Implemented in 2007-2008


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

ID to be filled by BEE	Title of measure		Sector : GENERAL		
Year to be filled by BEE	Replacement of Aluminum alloy blades by FRP blades in the cooling water fan		Technology : Not applicable		
Description of the energy conservation measure :					
Furnace cooling tower no.1 & 2 fan blades of Aluminum Alloy were replaced by FRP blades for energy conservation at Charge Chrome Plant.					
Picture / Sketch / drawing before modification (If available)			Picture / Sketch / drawing after modification		
Photograph before modification is not available					
Agency that executed the project (with complete address and e mail) : By the organization itself					
Total investment Rs. 1.11 lakh			Year of implementation : 2007		
First year energy cost saving Rs. 1.04 lakh					
First year other savings Rs. NO					
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others
Energy conservation before	210000				
Energy conservation after	140350				
Energy tariff Rs/Kwh	1.491				
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314			We authorize Bureau to use this information for dissemination		
Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in			Signature : S.K.Panigrahi Date : 01.10.2008		

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

Energy Conservation Measures Implemented in 2007-2008


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

ID to be filled by BEE	Title of measure		Sector : GENERAL		
Year to be filled by BEE	Replacement of general tube lights by CFL fittings (Compact Fluorescence lamps)		Technology : NA		
Description of the energy conservation measure :					
The general tube light fittings 150 nos were replaced by CFL fittings at various areas in the plant premises for energy conservation.					
Picture / Sketch / drawing before modification (If available)		Picture / Sketch / drawing after modification			
Earlier photographs was not available		At Power plant control room : 			
Agency that executed the project (with complete address and e mail) By the organization itself					
Total investment Rs. 1.09 lakh		Year of implementation : 2007			
First year energy cost saving Rs. 0.83 lakh					
First year other savings Rs. NO					
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others
Energy conservation before	1941800				
Energy conservation after	1885600				
Energy tariff Rs/Kwh	1.491				
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314			We authorize Bureau to use this information for dissemination		
Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in			Signature : S.K.Panigrahi Date : 01.10.2008		

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

Energy Conservation Measures Implemented in 2007-2008


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

ID to be filled by BEE	Title of measure		Sector : GENERAL		
Year to be filled by BEE	Replacement of imported water make up pump with energy efficient indigenous pump.		Technology : NA		
Description of the energy conservation measure :					
The imported demineralized water make up pump of 11 KW capacity after giving life of 17 years was replaced by 7.50 KW energy efficient indigenous pump of Grundfos make for energy conservation at Power plant					
Picture / Sketch / drawing before modification (If available) Earlier photographs is not available		Picture / Sketch / drawing after modification 			
Agency that executed the project (with complete address and e mail) : By the organization itself					
Total investment Rs. 0.32 lakh			Year of implementation : 2007		
First year energy cost saving Rs. 0.54 lakh					
First year other savings Rs. NO					
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others
Energy conservation before	96360				
Energy conservation after	60225				
Energy tariff Rs/Kwh	1.491				
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314			We authorize Bureau to use this information for dissemination		
Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in			Signature : S.K. Panigrahi Date : 01.10.2008		

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

Energy Conservation Measures Implemented in 2007-2008


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

ID to be filled by BEE	Title of measure		Sector : GENERAL		
Year to be filled by BEE	Installation of timers to switch off street lights of colonies.		Technology : NA		
Description of the energy conservation measure :					
The street lights were operated manually during morning & evening hours and occasionally delay in operation causing unnecessary consumption of electricity. These were automated by installing timers (4 no were installed at various places) to conserve electricity.					
Picture / Sketch / drawing before modification (If available)		Picture / Sketch / drawing after modification			
Not applicable					
Agency that executed the project (with complete address and e mail) : By the organization itself					
Total investment Rs. 0.60 lakhs			Year of implementation : 2007		
First year energy cost saving Rs. 0.16 lakh					
First year other savings Rs. NO					
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others
Energy conservation before	94200				
Energy conservation after	83150				
Energy tariff Rs/Kwh	1.491				
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314			We authorize Bureau to use this information for dissemination		
Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in			Signature S.K.Panigrahi Date : 01.10.2008		

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

Energy Conservation Measures Implemented in 2007-2008

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

ID to be filled by BEE		Title of measure			Sector : GENERAL	
Year to be filled by BEE		Reduction in consumption of Light Diesel Oil w.r.t previous year			Technology : Gas cleaning plant operation	
Description of the energy conservation measure :						
The Light Diesel Oil is being used to dry the Chrome ore fines to make briquettes which is fed to Charge Chrome Furnace along with the other raw materials. The Light Diesel Oil consumption has been reduced w.r.t previous year by increasing the use of Charge Chrome furnace off gas for Chrome Ore fines drying.						
Picture / Sketch / drawing before modification (If available)			Picture / Sketch / drawing after modification Gas Cleaning plant view:			
						
Agency that executed the project (with complete address and e mail) : By the organization itself						
Total investment Rs. 7.51 Lakh			Year of implementation : 2007			
First year energy cost saving Rs. 31.88						
First year other savings Rs. NO						
On annual basis	Kwh 000'	Coal (Tons)	Gas (Nm ³)	Oil (KL)	Others	
Energy conservation before				697		
Energy conservation after				589		
Energy tariff Rs/KL						
Company complete address : Indian Metals & Ferro Alloys Ltd. PO – Kapaleswar -754071, Choudwar, District : Cuttack, Orissa Ph. 0671 2494242 –45, FAX : 91 671 2494314				We authorize Bureau to use this information for dissemination		
Contact person who could be contacted for more information : Mr. S.K.Panigrahi, Manager (TQM) E mail: skpanigrahi@imfa.in				Signature : S.K.Panigrahi Date :01.10.2008		

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