


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 Aluminum			
Year to be filled by BEE	2 Nos.New Energy efficient motor in place of old & rewound low efficiency motor In caster cold water circulating pumps	Technology: Replacement /installation/modernization of old inefficient exiting equipment and system.			
Description of the energy conservation measure:					
Old rewound motors 15 Kw ,2 nos in caster cold water circulating pumps were installed in 1993.These motors were low efficiency i.e 88% and rewound two three times.These pumps are 90 % loaded and continuous rating. We have replaced these motors with new energy efficient motor of 92.5 %.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited Mouda, Village Dahali, Ramtek Road , Dist – Nagpur Ph.07115-282261/59/55/56, e-mail – rbyadao@adityabirla.com , mmkanhe@adityabirla.com					
Total investment, Rs.:70882			Year of implementation:2007 - 2008		
First year energy cost savings, Rs.60069.6					
First year other savings, Rs.:-					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	264338.6	na	na	na	na
Energy consumption after	252875.5	na	na	na	na
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5	na	na	na	na
Company complete address: Hindaloc Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Rajiv Sharma (Works Head), E-mail – rajivsharma@adityabirla.com				Signature Rajiv Sharma Date22/10/2008	

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ID to be filled by BEE	Title of the measure		Sector Aluminum			
Year to be filled by BEE	1 Nos.New Energy efficient motor in place of old & rewound low efficiency motor In Heat Exchanger water pump in Chilling Plant.		Technology : Replacement /installation/modernization of old inefficient exiting equipment and system			
Description of the energy conservation measure: Old rewound motors 15 Kw ,1 nos in Heat Exchanger water pump at chilling plant was installed in 1993.This motors was low efficiency i.e 88% and rewound two times..This pump is 80 % loaded and continuous rating. We have replaced this motor with new energy efficient motor of 92.5 %						
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification			
						
Agency that executed the project (with complete address and email): Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited Mouda, Village Dahali, Ramtek Road , Dist – Nagpur Ph.07115-282261/59/55/56 email- rbyadao@adityabirla.com , mmakanhe@adityabirla.com						
Total investment, Rs.:23583			Year of implementation:2007 - 2008			
t year energy cost savings, Rs.:26697.6						
First year other savings, Rs.:na						
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other	
Energy consumption before	117158.4	na	na	na	na	
Energy consumption after	112389.1	na	na	na	na	
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5	na	na	na	na	
Company complete address: Hindaloc Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104 Contact person who could be contacted for more information: Mr. Rajiv Sharma (Works Head), E-Mail – rajivsharma@adityabirla.com				We authorise Bureau to use this information for dissemination Signature Rajiv Sharma Date22/10/2008		

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ID to be filled by BEE	Title of the measure 2 Nos.New Energy efficient motor in place of old & rewind low efficiency motor In CRM Cooling Tower Fan no.1 and Fan no. 2	Sector : Aluminum			
Year to be filled by BEE		Technology Replacement /installation/modernization of old inefficient exiting equipment and system			
Description of the energy conservation measure: Old rewind motors 15 Kw ,2 nos in CRM Cooling Tower Fans were installed in 1993.These motors were low efficiency i.e 88% and rewind two times..These pumps are 80 % loaded and continuous rating. We have replaced these motors with new energy efficient motor of 92.5 %.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited Mouda, Village Dahali, Ramtek Road , Dist – Nagpur Ph.07115-282261/59/55/56 , e-mail – rbyadao@adityabirla.com , mmkanhe@adityabirla.com					
Total investment, Rs.:47166	Year of implementation:2007-2008				
First year energy cost savings, Rs.:53395.2					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	234316.8	na	na	na	na
Energy consumption after	224778.2	na	na	na	na
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5	na	na	na	na
Company complete address: Hindaloc Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104 Contact person who could be contacted for more information: Mr. Rajiv Sharma (Works Head) , E-Mail – rajivsharma@adityabirla.com				We authorise Bureau to use this information for dissemination Signature Rajiv Sharma Date22/10/2008	

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ID to be filled by BEE	Title of the measure 1 Nos.New Energy efficient motor in place of old & rewound low efficiency motor In Slitting Line Hydraulic pump	Sector : Aluminum
Year to be filled by BEE		Technology : Replacement /installation/modernization of old inefficient exiting equipment and system.
Description of the energy conservation measure: Old rewound motors 18.5 Kw ,1 nos in Slitting Line Hydraulic pump was installed in 1993.This motor was low efficiency i.e 88% and rewound two times..This pump is 80 % loaded and continuous rating. We have replaced these motors with new energy efficient motor of 92.4 %.		
Picture/ sketch/ drawing before modification (if available)		Picture/ sketch/ drawing after modification
		
Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited Mouda, Village Dahali, Ramtek Road , Dist – Nagpur Ph.07115-282261/59/55/56 , e-mail – rbadao@adityabirla.com , mmkanhe@adityabirla.com		
Total investment, Rs.:33258		Year of implementation:2007-2008

First year energy cost savings, Rs.:34365					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	144495.3	na	na	na	na
Energy consumption after	138613.2	na	na	na	na
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5	na	na	na	na
Company complete address: Hindaloc Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104 Contact person who could be contacted for more information: Mr. Rajiv Sharma (Works Head)), E-Mail – rajivsharma@adityabirla.com				We authorise Bureau to use this information for dissemination Signature Rajiv Sharma Date22/10/2008	

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ID to be filled by BEE	Title of the measure	Sector :Aluminum			
Year to be filled by BEE	Replacement of Filament type indication lamp with LED type indication lamp at various location on panel	Technology Retrofitting /minor modification of existing equipment			
Description of the energy conservation measure: Right from the commissioning and installation of plant i.e. FROM 1993 all the electrical panel were provided with filament type indication lamps having higher wattage of 2.5 W/5 W /7.5W/11W.We have to replaced these lamps when got fused. We have replaced these lamps with low wattage LED TYPE indication lamps. Life of this lamp is 7 to 10 years.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited Mouda, Village Dahali, Ramtek Road , Dist – Nagpur Ph.07115-282261/59/55/56 , e-mail – rbyadao@adityabirla.com , mmakanhe@adityabirla.com					
Total investment, Rs.:30000			Year of implementation:2007-2008		
First year energy cost savings, Rs.28080					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	5936				
Energy consumption after	432				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5				
Company complete address: Hindaloc Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104 Contact person who could be contacted for more information: Mr. Rajiv Sharma (Works Head) , E-Mail – rajivsharma@adityabirla.com				We authorise Bureau to use this information for dissemination Signature Rajiv Sharma Date22/10/2008	

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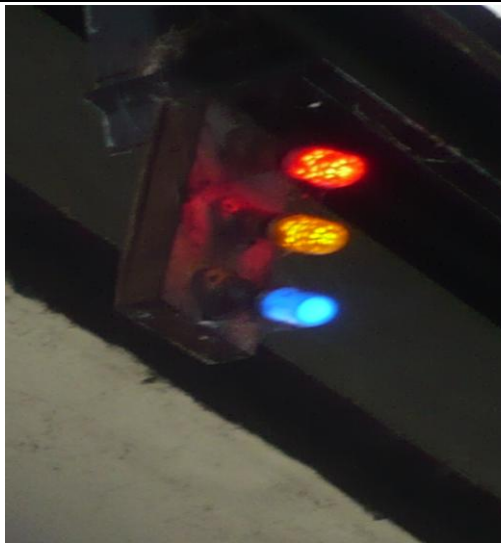
(To be filled up separately for each Energy Conservation Measure)

ID to be filled by BEE	Title of the measure Replacement of 40 Watts Tube Lights with 36 Watts tube lights.	Sector : Aluminum			
Year to be filled by BEE		Technology :Retrofitting /minor modification of existing equipment			
Description of the energy conservation measure: We have replaced all the 40 Watts tube lights with 36 watts tube lights. This was carried out in day to day repairs and maintenance activity. Hence, no extra fund was required.					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited Mouda, Village Dahali, Ramtek Road , Dist – Nagpur Ph.07115-282261/59/55/56 , e-mail – rbyadao@adityabirla.com , mmkanhe@adityabirla.com					
Total investment, Rs.:Nil	Year of implementation:2007 - 2008				
First year energy cost savings, Rs.43200					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	172800	na	na	na	na
Energy consumption after	164160	na	na	na	na
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5	na	na	na	na
Company complete address: Hindaloc Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104 Contact person who could be contacted for more information Mr. Rajiv Sharma (Works Head) , E-Mail – rajivsharma@adityabirla.com				We authorise Bureau to use this information for dissemination Signature Rajiv Sharma Date22/10/2008	

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ID to be filled by BEE	Title of the measure	Sector :Aluminum			
Year to be filled by BEE	Replacement of 60 Watts Filament Lamps with LED Type Low wattage Indication Lamp at EOT Crane DSL power indication.	Technology Retrofitting /minor modification of existing equipment			
<p>Description of the energy conservation measure: We have three bays for EOT Cranes. Supply to EOT Cranes is given through DSL. As a statutory requirement these DSL are provided with 60 Watts Filament Lamps. Frequency of replacement of bulbs was very high. We have replaced these bulbs with LED Type Low wattage Lamps(Specially designed for DSL INDICATION, 1.5 watts)</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
					
Agency that executed the project (with complete address and email): Electrical Department Hindaloco Industries Limited, Mouda , Village – Dahali , Ramtek Road,Mouda,Dist – Nagpur. (M.S.) , Pin – 441 104 email – rbyadao@adityabirla.com , mmkanhe@adityabirla.com					
Total investment, Rs.:5400			Year of implementation:2007-2008		
First year energy cost savings, Rs.:300067					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	6220				
Energy consumption after	207				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	5				
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