

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Provision of LOGO (PLC) in Air-conditioning control circuit of old and new Training Centre.		Sector – Aluminium		
Year to be filled by BEE			Technology		
<p>Description of the energy conservation measure: In New / old Training Center buildings the air-conditioning unit was controlled by timer which starts the air-conditioning unit at 7.00AM and switches off at 7.00PM. The air-conditioning unit was running even on Off days (Sunday) and lunch hr (12:00 noon to 1:30 PM) every day also. After installing a LOGO control in place of timer, idle running of AC unit stopped and hence 66620 kWh / year power is saved.</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email): In – house					
Total investment, Rs.: 0.25 Lakh			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	311.856				
Energy consumption after	245.236				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	1.89				
Company complete address: Hindalco Industries Ltd. P O – Renukoot 231217 Dist. – Sonebhadra UP Contact person who could be contacted for more information: Mr. K P Yadav				We authorise Bureau to use this information for dissemination ignature Date- 19 th Oct 2007	

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ID to be filled by BEE	Title of the measure Reduced running time of 4 Nos Roof Ventilator fans in Work Shop	Sector – Aluminium			
Year to be filled by BEE		Technology			
Description of the energy conservation measure: In Work Shop, there are 4 nos. Equalizer roof ventilator fans are installed to suck smoke from smithy forging oven. All fans were running 24 hrs while it was not necessary to run whenever oven was not in use. By providing separate switch, we stopped it for 20 hrs and 71280 kWh power is saved.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Agency that executed the project (with complete address and email): In – house					
Total investment, Rs.: 0.199 Lakh			Year of implementation: 2006 – 07		
First year energy cost savings, Rs.:1.35 Lakhs					
First year other savings, Rs.:					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other
Energy consumption before	85.32				
Energy consumption after	14.04				
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	1.89				
Company complete address: Hindalco Industries Ltd. P O – Renukoot 231217 Dist. – Sonebhadra UP				We authorise Bureau to use this information for dissemination	
Contact person who could be contacted for more information: Mr. Asheesh Verma				Signature Date- 19 th Oct 2007	