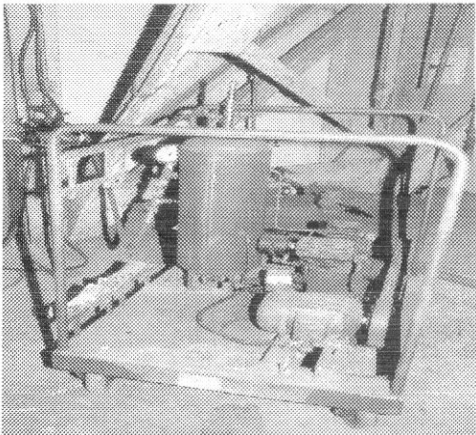
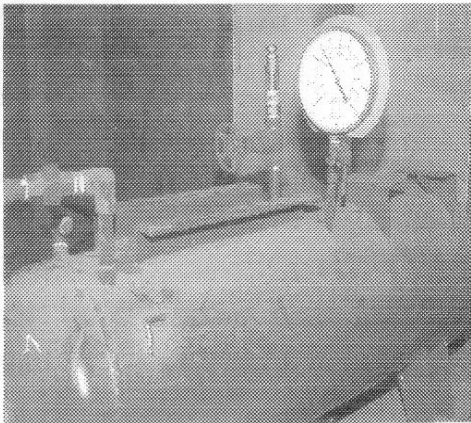


Energy Conservation Measure implemented in 2006-2007

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

ID to be filled by BEE	Title of the measure	Sector: Steel Re-rolling Mill			
Year to be filled by BEE	Usage of Agro waste in place of coal fired in Boiler.	Technology :Renewable energy source.			
Description of the energy conservation measure: Efforts were put in to use Agro-waste (Husk) replacing coal in the coal fired boiler. The cost of total quantity of coal consumed in previous years was about Rs.126 lakhs per annum. By using husk in the place of coal, the savings achieved in terms of material is around Rs.27.3 lakhs per annum. The total cost of Husk used is around Rs.99 lakhs per year.					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Not applicable			Not applicable		
Agency that executed the project (with complete address and email): Central Mechanical Maintenance, Salem Steel Plant, Salem 636013. Email: skkhare@sailssp.in					
Total investment, Rs.: NIL			Year of implementation: 2006		
First year energy cost savings, Rs.: 27.3 lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (Husk)
Energy consumption before	-	4215	-	-	-
Energy consumption after	-	Nil	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	-	2989	-	-	
Company complete address: SAIL/Salem Steel Plant, Salem 636013. Contact person who could be contacted for more information: Dy General Manager (CMM), SAIL/Salem Steel Plant.				We authorize Bureau to use this information for dissemination Signature: Date:	

Energy Conservation Measure implemented in 2006-2007



ID to be filled by BEE	Title of the measure Control of air pressure in process lines	Sector: Steel Re-rolling Mill												
Year to be filled by BEE		Technology :Control of air pressure in process lines.												
By installing isolation valves in various sections of production lines and by installation of solenoid operated pressure switches and air receivers, the pressure fluctuations in compressed air lines have been controlled.														
<table style="width: 100%; border: none;"> <tr> <td style="width: 20%;">Investment</td> <td style="width: 5%;">-</td> <td style="width: 75%;">Rs.0.5 Lakhs</td> </tr> <tr> <td>Energy saved</td> <td>-</td> <td>5.57 Lakhs KWH</td> </tr> <tr> <td>Money saved</td> <td>-</td> <td>Rs.27.88 Lakhs</td> </tr> </table>						Investment	-	Rs.0.5 Lakhs	Energy saved	-	5.57 Lakhs KWH	Money saved	-	Rs.27.88 Lakhs
Investment	-	Rs.0.5 Lakhs												
Energy saved	-	5.57 Lakhs KWH												
Money saved	-	Rs.27.88 Lakhs												
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification											
														
Agency that executed the project (with complete address and email): Central Mechanical Maintenance, Salem Steel Plant, Salem 636013. Email: skkhare@sailssp.in														
Total investment, Rs.: 0.5 lakhs			Year of implementation: 2006											
First year energy cost savings, Rs.: 27.88 lakhs														
First year other savings, Rs.: Nil														
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (Husk)									
Energy consumption before	-	-	-	-	-									
Energy consumption after	-	-	-	-	-									
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	-	-	-	-										
Company complete address: SAIL/Salem Steel Plant, Salem 636013.				We authorise Bureau to use this information for dissemination										
Contact person who could be contacted for more information: Dy General Manager (CMM), SAIL/Salem Steel Plant.				Signature										
				Date										

Energy Conservation Measure implemented in 2006-2007

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

ID to be filled by BEE	Title of the measure	Sector: Steel Re-rolling Mill			
Year to be filled by BEE	Control of Illumination of Electrical Control Rooms of CRM.	Technology :Control of Illumination			
<p>Description of the energy conservation measure: In CRM Complex, various electrical control rooms are provided with illumination in control rooms, cable cellars etc., As energy conservation measure, only one fourth of the lights are made on during normal working. In case of inspection and maintenance, remaining lights are made on.</p> <p>Investment - Rs.0.5 Lakhs Energy saved - 4.24 Lakhs KWH Money saved - Rs.21.2 Lakhs</p>					
Picture/ sketch/ drawing before modification (if available)			Picture/ sketch/ drawing after modification		
Not applicable			Not applicable		
Agency that executed the project (with complete address and email): CRM Electrical Maintenance, Salem Steel Plant, Salem 636013. Email: cem@sailssp.in					
Total investment, Rs.: 0.5 lakhs			Year of implementation: 2006		
First year energy cost savings, Rs.: 21.2 lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (Husk)
Energy consumption before	-	-	-	-	-
Energy consumption after	-	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	-	-	-	-	-
Company complete address: SAIL/Salem Steel Plant, Salem 636013. Contact person who could be contacted for more information: Dy General Manager (CRM), SAIL/Salem Steel Plant.				We authorize Bureau to use this information for dissemination Signature: Date:	

Energy Conservation Measure implemented in 2006-2007

ID to be filled by BEE	Title of the measure Installation of Hydraulic Power Pack	Sector: Steel Re-rolling Mill			
Year to be filled by BEE		Technology :Retrofit/minor modification.			
<p>Description of the energy conservation measure: In old system of power pack, 2 nos of 30KW pumps were running continuously consuming an average energy of 1290 Kwh/day. These pumps can be operated as per the load and need not run continuously. A new system of power pack using load sending system was installed in Annealing Line 1 exit.</p> <p>Investment - Rs.7.5 Lakhs Energy saved - 10.12 Lakhs KWH Money saved - Rs.50.60 Lakhs</p>					
Picture/ sketch/ drawing before modification (if available)	Picture/ sketch/ drawing after modification				
					
Agency that executed the project (with complete address and email): CRM Mechanical Maintenance, Salem Steel Plant, Salem 636013. Email: crmm@sailssp.in					
Total investment, Rs.: 7.5	Year of implementation: 2006				
First year energy cost savings, Rs.: 10.12 lakhs					
First year other savings, Rs.: Nil					
On annual basis	kWh 000'	Coal (Tons)	Gas Nm ³	Oil (kL)	Other (Husk)
Energy consumption before	-	-	-	-	-
Energy consumption after	-	-	-	-	-
Energy tariff, Rs/ kWh/ Ton/ Nm ³ / kL ...	-	-	-	-	-
Company complete address: SAIL/Salem Steel Plant, Salem 636013. Contact person who could be contacted for more information: Dy General Manager (CRM), SAIL/Salem Steel Plant.				We authorize Bureau to use this information for dissemination Signature: Date:	