


## 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<br><b>Energy Conservation by installation of capacitor banks.</b> | Sector – <b>MINI STEEL</b> |   |  |            |
| Year to be filled by BEE  |  | Technology .....           |   |  |            |
| Description of the energy conservation measure:<br>Enclosed separately  |  |                            |   |  |            |
| Picture/ sketch/ drawing before modification<br>(if available)  |  |                            | Picture/ sketch/ drawing after modification   |  |            |
| Not Enclosed  |  |                            |  |  |            |
| Agency that executed the project (with complete address and email): <b>DEPARTMENTLY</b>   |  |                            |   |  |            |
| Total investment, Rs.: <b>7.77</b>  |  |                            | Year of implementation: <b>2004-2005</b>  |  |            |
| First year energy cost savings, Rs.: <b>50.53 Lacs</b>  |  |                            |   |  |            |
| First year other savings, Rs.: <b>NIL</b>   |  |                            |   |  |            |
| On annual basis   | kWh<br>000'  | Coal<br>(Tons)             | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)  | Other      |
| Energy consumption before   | <b>309566</b>  | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>   | <b>NIL</b> |
| Energy consumption after  | <b>305024</b>  | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>   | <b>NIL</b> |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL<br>...  | <b>Rs. 3.75</b>  | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>   | <b>NIL</b> |
| Company complete address: Manganese Ore (India) Limited,<br>Ferro Manganese Plant,<br>Manjhara, Balaghat.<br>Phone No-07632-245188<br>Contact person who could be contacted for more information:<br>Shri L.K. Sandhu, Chief(Process)<br>Phone No – 07632 – 245188<br>Mobile No - 09424662388 |  |                            |   | We authorise Bureau<br>to use this information<br>for dissemination<br><br>Signature<br><br>Date |            |

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|---|---|----------------------------|---|---|------------|
| ID to be filled by BEE  | Title of the measure<br><br><b>Energy Conservation by<br/>Modification of Contact Clamps.</b> | Sector – <b>MINI STEEL</b> |   |   |            |
| Year to be filled by BEE  |   | Technology .....           |   |   |            |
| Description of the energy conservation measure:<br><br>Enclosed separately  |   |                            |   |   |            |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)   |   |                            | <b>Picture/ sketch/ drawing after modification</b>                                  |   |            |
|   |   |                            |  |   |            |
| Agency that executed the project (with complete address and email): <b>M/s METSA ENGG. KOLKATA</b>  |   |                            |   |   |            |
| Total investment, Rs.: <b>0.60 Lac</b>  |   |                            | Year of implementation: <b>2006-2007</b>  |   |            |
| First year energy cost savings, Rs.: <b>6.68 Lacs</b>   |   |                            |   |   |            |
| First year other savings, Rs.: <b>NIL</b>   |   |                            |   |   |            |
| On annual basis   | kWh<br>000'   | Coal<br>(Tons<br>)         | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other      |
| Energy consumption before   | <b>122794</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| Energy consumption after  | <b>117907</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL<br>...  | <b>Rs. 3.75</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| <b>Company complete address:</b> Manganese Ore ( India) Ltd<br>Ferro Manganese Plant<br>Manjhara Village ,  |   |                            |   | We authorise Bureau<br>to use this information<br>for dissemination |            |
| Contact person who could be contacted for more information:<br>Shri L.K. Sandhu, Chief(Process)<br>Phone No – 07632 – 245188<br>Mobile No - 09424662388 |   |                            |   | Signature<br><br>Date   |            |

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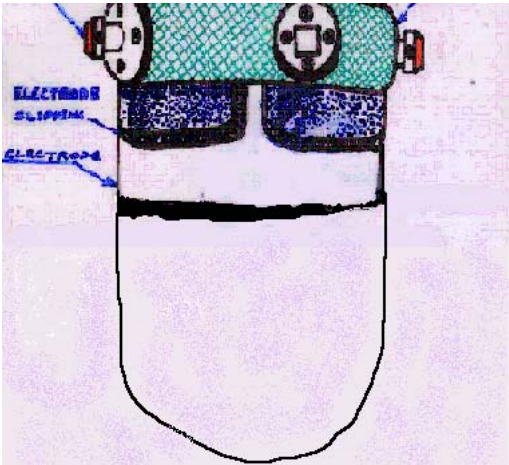

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|   |  |                            |   |   |            |
|---|--|----------------------------|---|---|------------|
| ID to be filled by BEE  | Title of the measure<br><b>Energy Conservation by Effective use of Coke.</b> | Sector – <b>MINI STEEL</b> |   |   |            |
| Year to be filled by BEE  |  | Technology .....           |   |   |            |
| Description of the energy conservation measure:<br><br>Enclosed separately              |  |                            |   |   |            |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)                   |  |                            | <b>Picture/ sketch/ drawing after modification</b>                                  |   |            |
| Not Enclosed  |  |                            |  |   |            |
| Agency that executed the project (with complete address and email): <b>DEPARTMENTLY</b> |  |                            |   |   |            |
| Total investment, Rs.: <b>5.00 Lacs</b>   |  |                            | Year of implementation: <b>2006-2007</b>  |   |            |
| First year energy cost savings, Rs.: <b>13.99 Lacs</b>                                  |  |                            |   |   |            |
| First year other savings, Rs.: <b>45.77 Lacs</b>  |  |                            |   |   |            |
| On annual basis   | kWh<br>000'  | Coal<br>(Tons)             | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other      |
| Energy consumption before   | <b>122794</b>  | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| Energy consumption after  | <b>20139</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL                                       | <b>Rs. 3.75</b>  | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| <b>Company complete address: M/s. METSA Engineering Company, Kokatta.</b>               |  |                            |   | We authorise Bureau to use this information for dissemination |            |
|   |  |                            |   | Signature   |            |
|   |  |                            |   | Date  |            |

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## Energy Conservation Measure implemented in 2006-2007


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|   |   |                            |   |   |            |
|---|---|----------------------------|---|---|------------|
| ID to be filled by BEE  | Title of the measure<br><b>Energy Conservation by Reduction in Breakage of Electrode.</b> | Sector – <b>MINI STEEL</b> |   |   |            |
| Year to be filled by BEE  |   | Technology .....           |   |   |            |
| Description of the energy conservation measure:<br><br>Enclosed separately  |   |                            |   |   |            |
| <b>Picture/ sketch/ drawing before modification</b><br>(if available)   |   |                            | <b>Picture/ sketch/ drawing after modification</b>                                  |   |            |
|   |   |                            |  |   |            |
| Agency that executed the project (with complete address and email): <b>DEPARTMENTLY</b>   |   |                            |   |   |            |
| Total investment, Rs.: <b>0.20 Lacs</b>   |   |                            | Year of implementation: <b>2006-2007</b>  |   |            |
| First year energy cost savings, Rs.: <b>1.96 Lacs</b>   |   |                            |   |   |            |
| First year other savings, Rs.: <b>3.06 Lacs</b>   |   |                            |   |   |            |
| On annual basis   | kWh<br>000'   | Coal<br>(Tons)             | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other      |
| Energy consumption before   | <b>122794</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| Energy consumption after  | <b>108428</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL   | <b>Rs. 3.75</b>   | <b>NIL</b>                 | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |
| <b>Company complete address:</b> Manganese Ore ( India) Ltd<br>Ferro Manganese Plant<br>Manjhara Village ,  |   |                            |   | We authorise Bureau to use this information for dissemination |            |
| Contact person who could be contacted for more information:<br>Shri L.K. Sandhu, Chief(Process)<br>Phone No – 07632 – 245188<br>Mobile No - 09424662388 |   |                            |   | Signature<br><br>Date   |            |

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|   |   |                |   |   |            |  |
|---|---|----------------|---|---|------------|--|
| ID to be filled by BEE  | Title of the measure<br><b>Energy Conservation by Preheating of Raw Material.</b> |                | Sector – <b>MINI STEEL</b>  |   |            |  |
| Year to be filled by BEE  |   |                | Technology .....  |   |            |  |
| Description of the energy conservation measure:<br><br>Enclosed separately  |   |                |   |   |            |  |
| Picture/ sketch/ drawing before modification<br>(if available)  |   |                | Picture/ sketch/ drawing after modification   |   |            |  |
| Not Enclosed  |   |                |  |   |            |  |
| Agency that executed the project (with complete address and email): <b>DEPARTMENTLY</b>   |   |                |   |   |            |  |
| Total investment, Rs.: <b>NIL</b>   |   |                | Year of implementation: <b>2006-2007</b>  |   |            |  |
| First year energy cost savings, Rs.: <b>1.25 Lacs</b>   |   |                |   |   |            |  |
| First year other savings, Rs.: <b>NIL</b>   |   |                |   |   |            |  |
| On annual basis   | kWh<br>000'   | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other      |  |
| Energy consumption before   | <b>122794</b>   | <b>NIL</b>     | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |  |
| Energy consumption after  | <b>121886</b>   | <b>NIL</b>     | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |  |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL   | <b>Rs. 3.75</b>   | <b>NIL</b>     | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |  |
| <b>Company complete address:</b> Manganese Ore ( India) Ltd<br>Ferro Manganese Plant<br>Manjhara Village ,  |   |                |   | We authorise Bureau to use this information for dissemination |            |  |
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|   |   |                |   |   |            |  |
|---|---|----------------|---|---|------------|--|
| ID to be filled by BEE  | Title of the measure<br><b>Energy Conservation by Monitoring the Quality of Raw Material.</b> |                | Sector – <b>MINI STEEL</b>  |   |            |  |
| Year to be filled by BEE  |   |                | Technology .....  |   |            |  |
| Description of the energy conservation measure:<br><br>Enclosed separately  |   |                |   |   |            |  |
| Picture/ sketch/ drawing before modification<br>(if available)  |   |                | Picture/ sketch/ drawing after modification   |   |            |  |
| Not Enclosed  |   |                |  |   |            |  |
| Agency that executed the project (with complete address and email): <b>DEPARTMENTLY</b>   |   |                |   |   |            |  |
| Total investment, Rs.: <b>0.70 Lac</b>  |   |                | Year of implementation: <b>2006-2007</b>  |   |            |  |
| First year energy cost savings, Rs.: <b>10.60 Lacs</b>  |   |                |   |   |            |  |
| First year other savings, Rs.: <b>NIL</b>   |   |                |   |   |            |  |
| On annual basis   | kWh<br>000'   | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>  | Oil<br>(kL)   | Other      |  |
| Energy consumption before   | <b>122794</b>   | <b>NIL</b>     | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |  |
| Energy consumption after  | <b>115026</b>   | <b>NIL</b>     | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |  |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL   | <b>Rs. 3.75</b>   | <b>NIL</b>     | <b>NIL</b>  | <b>NIL</b>  | <b>NIL</b> |  |
| <b>Company complete address:</b> Manganese Ore ( India) Ltd<br>Ferro Manganese Plant<br>Manjhara Village ,  |   |                |   | We authorise Bureau to use this information for dissemination |            |  |
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|   |   |                |   | Date  |            |  |

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|                          |  |                            |
|--------------------------|--|----------------------------|
| ID to be filled by BEE   | Title of the measure<br><b>Energy Conservation by Wind<br/>Energy Generator.</b> | Sector – <b>MINI STEEL</b> |
| Year to be filled by BEE |  | Technology .....           |

Description of the energy conservation measure:.

Enclosed separately

**Picture/ sketch/ drawing after modification**



|   |                 |                |  |  |            |
|---|-----------------|----------------|--|--|------------|
| Agency that executed the project (with complete address and email): Enercon India Limited : <a href="mailto:service@enerconindia.net">service@enerconindia.net</a>  |                 |                |  |  |            |
| Total investment, Rs.: <b>1144.76</b>   |                 |                | Year of implementation: <b>2006-2007</b> |  |            |
| First year energy cost savings, Rs.: <b>126.7 Lacs</b>  |                 |                |  |  |            |
| First year other savings, Rs.: <b>NIL</b>   |                 |                |  |  |            |
| On annual basis   | kWh<br>000'     | Coal<br>(Tons) | Gas<br>Nm <sup>3</sup>                   | Oil<br>(kL)  | Other      |
| Energy consumption before   | <b>293130</b>   | <b>NIL</b>     | <b>NIL</b>                               | <b>NIL</b>   | <b>NIL</b> |
| Energy consumption after  | <b>217310</b>   | <b>NIL</b>     | <b>NIL</b>                               | <b>NIL</b>   | <b>NIL</b> |
| Energy tariff, Rs/ kWh/ Ton/ Nm <sup>3</sup> / kL   | <b>Rs. 3.75</b> | <b>NIL</b>     | <b>NIL</b>                               | <b>NIL</b>   | <b>NIL</b> |
| <b>Company complete address: Enercon India Limited, 87/B, Silver Industrial estate, Daman : 396 210 (India)</b><br>Contact person who could be contacted for more information:<br><br>Phone No. 91-260-2221219, 2221220<br>Fax No. : 91-260-2221508 |                 |                |  | We authorise Bureau to use this information for dissemination<br><br><br>Signature<br><br>Date |            |

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