

## OPTION CHECKLIST NO. 10: FURNACES & REFRACTORIES

<ul style="list-style-type: none"><li>• Check against infiltration of air: Use doors or air curtains.</li></ul>
<ul style="list-style-type: none"><li>• Monitor O<sub>2</sub> /CO<sub>2</sub>/CO and control excess air to the optimum level.</li></ul>
<ul style="list-style-type: none"><li>• Improve burner design, combustion control and instrumentation.</li></ul>
<ul style="list-style-type: none"><li>• Ensure that the furnace combustion chamber is under slight positive pressure.</li></ul>
<ul style="list-style-type: none"><li>• Use ceramic fibres in the case of batch operations.</li></ul>
<ul style="list-style-type: none"><li>• Match the load to the furnace capacity.</li></ul>
<ul style="list-style-type: none"><li>• Retrofit with heat recovery device.</li></ul>
<ul style="list-style-type: none"><li>• Investigate cycle times and reduce.</li></ul>
<ul style="list-style-type: none"><li>• Provide temperature controllers.</li></ul>
<ul style="list-style-type: none"><li>• Ensure that flame does not touch the stock.</li></ul>