



**SIGMA POWER & ENERGY ENGINEERS**  
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**LIST OF R&M PROJECTS EXECUTED BY SIGMA (T.T FIRING SYSTEM)**

<b>SI No</b>	<b>Customer</b>	<b>Project/Boiler Cap. MW/TPH</b>	<b>Type of firing/Fuel</b>	<b>Boiler Make</b>	<b>Scope of Work</b>
1	Alstom, India	Durgapur Projects, #5, 67.5 MW	T.T Firing Pul.Coal and Oil	MHI, Japan	<ul style="list-style-type: none"><li>▪ Design and Engineering of entire Oil firing system from T.P near Boiler to Burner.</li><li>▪ Design and Engineering of Burner Wind box assembly Sec.Air Duct connecting Wind box, Coal pipe elbows connecting wind box.</li><li>▪ Design and Engineering of Oil Burner assembly.</li><li>▪ Design and Engineering of BMS for Implementation in DCS.</li><li>▪ Design and Engineering of Water wall corner Burner Panel for new wind box.</li><li>▪ Manufacturing and Supply of complete Burner Wind box assembly with Coal Burners, Oil Burners, Air</li></ul>

					<p>nozzle with Burner tilt mechanism.</p> <ul style="list-style-type: none"> <li>▪ Supervision of E&amp;C activities of above scope of work.</li> </ul>
2	Alstom India	PSEB Bathinda, 2X110 MW	T.T firing Pul.Coal and Oil	BHEL, India	<ul style="list-style-type: none"> <li>▪ Design and Engineering of entire Oil firing system from T.P near Boiler to Burner.</li> <li>▪ Design and Engineering of complete Burner Wind box assembly with Coal, Oil and Air compartments.</li> <li>▪ Design and Engineering of Oil Burner assembly.</li> <li>▪ Design and Engineering of Water wall Burner Panel assembly for new wind box.</li> </ul>
3	Alstom India	Renusager 1&2 2X67.5 MW	T.T firing Pul.Coal and Oil	CE,USA	<ul style="list-style-type: none"> <li>▪ Design and Engineering of entire Oil firing system from T.P near Boiler to Burner.</li> <li>▪ Design and Engineering of complete Burner Wind box assembly with coal , Oil and Air Compartments.</li> <li>▪ Design and Engineering of Oil Burner</li> </ul>

					<ul style="list-style-type: none"> <li>assembly.</li> <li>▪ Design and Engineering of Water wall Burner panel assembly for new wind box.</li> <li>▪ Design and Engineering of BMS for implementation in DCS.</li> <li>▪ Manufacturing and supply of complete Burner Wind box assembly with Coal Burners, Oil Burners, Air nozzles with Burner tilt mechanism.</li> </ul>
4	Alstom India	GEB,Gandhi Nagar 2X110 MW	T.T firing Pul.Coal and Oil	BHEL, India	<ul style="list-style-type: none"> <li>▪ Design and Engineering of Burner Wind box assembly with Coal,Oil,Air Compartments and Burner tilt mechanism for larger Coal pipe size .</li> <li>▪ Manufacturing and supply of Burner Wind box assembly with Coal Oil, Air compartments and Burner tilt mechanism.</li> <li>▪ Supervision of E&amp;C for above scope of work.</li> </ul>
5	Alstom India	Renusagar 3&4 2X67.5 MW	T.T firing Pul.Coal and Oil	CE,USA	<ul style="list-style-type: none"> <li>▪ Design and Engineering of Burner Wind box</li> </ul>

					<p>assembly with Coal,Oil,Air Compartments and Burner tilt mechanism.</p> <ul style="list-style-type: none"> <li>▪ Manufacturing and supply of Burner Wind box assembly with Coal,Oil,Air Nozzles and Burner tilt mechanism.</li> </ul>
6	Alstom India	NTPC,Tanda 4X110MW	T.T firing Pul.Coal and Oil	BHEL, India	<ul style="list-style-type: none"> <li>▪ Design and Engineering of Burner Wind box assembly with one Coal +one Oil+one air Compartment assembly, Oil gun assembly for additional Pulveriser installation.</li> <li>▪ Manufacturing and Supply of Wind box assembly with Coal,Oil,Air Compartment assembly.</li> <li>▪ Supervision of E&amp;C for above Scope of work.</li> </ul>