

Title: Condition assessment of steel structures in CHP area of Thermal Power Station at NTPC Ramagundam (SSP 403)

Duration: 6 months

Deliverables:

- I. NDT&E of selected elements and joints of the steel structures in the CHP area
- II. Evaluation of results and recommendation of appropriate repair, if found necessary

Significant Achievements:

NDT inspections have been conducted on the identified critical structural members and connections. No major cracks have been identified except the corrosion levels ranging from mild to very severe at various structures. Recommendations were prescribed to strengthen the corroded structural elements.



Dye penetrant test



Magnetic particle test



Thickness mapping

Team:

Dr. V. Marimuthu, Principal Scientist (Project Leader)
Dr. P. Prabha, Principal Scientist
Dr. R. Balagopal, Principal Scientist
Dr. M. Saravanan, Principal Scientist
Dr. J. Prawin, Senior Scientist
Shri. S. Vinoth Krishnan, Scientist

Date: