

**BRIEF SCOPE OF WORK FOR R&M OF CONTROL SYSTEM OF STEAM TURBINE
& HRSG, NTPC FARIDABAD**

Design, Engineering, Re-engineering, Manufacturing, Refurbishment/Retrofitting, Fabrication, Assembly, Inspection and Pre-shipment Testing at supplier's works, Packing for transportation, Supply, Port Clearance, Port Handling & Port Charges, if any, forwarding to site, Inland transportation for delivery at site, inland transit insurance, unloading & Storage at site, installation, interconnection with related plant and equipment, calibration, testing, commissioning and putting the Control and Instrumentation System together with all accessories, auxiliaries and associated equipment, Performance & Guarantee test and handing over to the Employer complete Control and Instrumentation System comprising of:

- ST & HRSG DDCMIS for control, protection, monitoring and operation of ST and HRSG.
- HMIPIS with Cyber security suite
- Interfacing with existing EHTC governing system
- ST overspeed protection system
- Vibration monitoring system & Reverse rotation indicators for BFP/CEP
- Main equipment related special instrumentation system like Auto Synchronizer, LSR & Load Transducers.
- UPS
- UAP+CACP+ECB panel
- Power cables, Control Cables, Instrumentation cables, OFC & Conduits
- Tools and Tackles
- Mandatory Spares

This scope shall also include dismantling of Employer's equipments/systems at site, AMS for DDCMIS and training for employer's personnel etc. as per the specification and scope defined in the bidding documents.

The detailed scope of work shall be as per specification and scope defined in the Bidding Document for 'R&M of control system of Steam Turbine & HRSG, NTPC Faridabad'.