

SALIENT TECHNICAL FEATURES

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:

- UNIT DDCMIS for control monitoring and operation of main plant equipments comprising of SG-C&I (BMS, SADC, etc), TG-C&I (TP including Over Speed Protection, EHC, TSC, , ATRS, ATT, HP-LP BYPASS and Generator Auxiliaries, etc.) and BOP C&I System ((ID, FD , PA, APH, BFPS, CEP, APH, Heaters, etc.) , Electrical breakers.
- WATER DDCMIS for control monitoring and operation of common equipment at DM, PT & PT Chlorination, CPU regeneration & service vessel, CW Chlorination, Electrical breakers.
- SAC DDCMIS for control monitoring and operation of common equipments of CW, CT, Compressor, firewater pump house , CSSAEP.
- AHP DDCMIS for control monitoring and operation of common equipments at of AHP including Ash Silo, AWRS system, Electrical breakers .
- HMIPIS and Station LAN
- Measuring Instruments like Electronic Transmitters, Temperature elements & Temperature transmitters, Vibration Monitoring system, Analyzers for offsite areas, etc.
- Electric Power Supply Systems
- Process Connection and Piping including LIEs/ LIRs
- Power cables, Control Cables, Instrumentation cables and special cables
- Control Desk, Panels and LVS.
- Main equipment (SG & TG) related instrumentation system like Scanners, HEA Ignitors , ASLD for SG and TSI, Auto Synchronizer, Over Speed Protection Modules & Load Transducers for Main Turbine and Generator..
- CCTV for plant areas
- Special Tools and Tackles
- Mandatory Spares

This scope shall also include dismantling of Employer's equipment/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 specifications and scope defined in the Bidding Document for 'C&I Upgradation / R&M of SG, TG, BOP & Off Sites Control System of VSTPS ST-II (2x500MW)'.