

## **NTPC LIMITED**

**PROJECT : GADARWARA STPP STAGE-II (2X800 MW)**  
**PACKAGE NAME : Ash Handling System Package**

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**“Salient Technical Features of the equipment/systems/services covered in the Bidding Document No. CS-8014-162-9 are mentioned below. These Salient Technical Features are mentioned only to facilitate the prospective bidders to prima-facie understand the requirements under the tender and shall not in any way limit or alter the scope of work and technical features/specification of equipment/ systems/ services covered in the Bidding Documents. Detailed provisions in regard of scope of work and technical features/ specification of equipment/ systems/ services, contained in the Bidding Documents shall be final and binding.”**

### **A BRIEF SCOPE OF WORK**

The Brief scope of work for the subject Ash Handling System Package for Gadawara STPP Stage-II (2X800 MW) is as follows:

Design, Engineering, Manufacture, Supply, Construction, Erection, Testing & Commissioning works for the Ash Handling System Package for Gadawara STPP Stage-II (2 X 800 MW) on the basis of single point responsibility, completely covering the following activities and services in respect of ACW & ECW system (for station auxiliaries of Ash Handling System Package) along with associated Electrical & civil works, Ash handling System, Dry Bottom Ash Handling system, Bottom ash disposal system, High Concentration Fly Ash Slurry disposal System & AWRS, Compressed Air System including main plant compressors, Air Conditioning & Ventilation Systems, Auxiliary Transformers, HT Switchgears, MV Bus-duct, DC Batteries, Battery chargers, LT switchgear & LT Bus Duct, LT Transformer (Outdoor), HT & LT power cables, LT control cables, Construction Power, Lightning Protection, Lighting, Cabling, Earthing, all Control & Instrumentation(C&I), Fireproof cable penetration sealing system, Solar PV plant on roof tops of buildings, Associated Civil, Structural & Architectural works for Ash handling system including AWRS, ACW & ECW system, earthing mat/grounding for the areas, Miscellaneous civil works including Roads & Drains, underground facilities like drainage, sewerage, trenches, Rain Water Harvesting, etc. covered under the specifications:

- (a) Basic Engineering of the plant including preparation of Plant Definition Manuals;
- (b) Detailed design of all the equipment and equipment system(s) including civil, structure steel & Architectural works are included in bidder's scope.
- (c) Providing engineering drawings, equipment sizing & performance data, instruction manuals, as built drawings and other information;
- (d) Compliance with statutory requirements and obtaining clearances from statutory authorities, wherever required. Compliance of safety norms as specified and as applicable.
- (e) Complete manufacturing including shop testing/type testing (wherever applicable);
- (f) The complete Civil, structural and architectural works;
- (g) Packing and transportation from the manufacturer's works to the site including logistic studies, insurance, customs clearance & port clearance, port charges, if any.

- (h) Receipt, storage, preservation, handling and conservation of equipment at the site;
- (i) Fabrication, pre-assembly, if any, erection, insurance, testing, commissioning and completion of facilities including putting into satisfactory operation all the equipment including successful completion of initial operation;
- (j) Performance and guarantee tests along with initial operation;
- (k) Supply of spares on FOR site basis;
- (l) Reconciliation with Customs Authorities;
- (m) Satisfactory conclusion of the Contract;
- (n) Insurance and other requirements
- (o) The plant shall be ZLD compliant

Detailed scope of work has been specified in the bidding documents.