NTPC LIMITED

PROJECT: **Talcher Thermal Power Project, Stage-IV (1X800 MW)**

PACKAGE NAME: **Main Plant Package**

"Salient Technical Features of the equipment/systems/services covered in the Bidding Document No. **CS-8033/8041/8039-001A-2** 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 Main Plant Package of Talcher Thermal Power Project, Stage-IV (1X800 MW) are as follows:

Design, Engineering, Manufacture, Supply, Construction, Erection, Testing & Commissioning works for the Main Plant Package of Talcher Thermal Power Project, Stage-IV (1X800 MW) on the basis of single point responsibility, completely covering the following activities and services in respect of Steam Generator and Auxiliaries, Electrostatic Precipitator, Biomass co-firing capability, Auxiliary PRDS complete, Steam Turbine & Auxiliaries, Air Cooled Condenser, Generator & Auxiliaries, ECW system for TG & SG auxiliaries excluding Station auxiliaries, Condensate polishing plant (CPU) and its regeneration system, Mill Reject Handling System, Air Conditioning & Ventilation Systems for BTG Area, Inert Gas Fire Extinguishing System (IGFES) for CCR, CERs, UPS & Battery Charger Rooms, etc. in TG Building, Critical Piping & Power Cycle piping, LP Piping in BTG area, DC Batteries & Battery Chargers, VFD, Main Plant DG Sets, Construction Power & Construction Lighting, LT switchgear, LT power cables, LT control cables, Lightning Protection, Cabling & Cable tray & associated works, Earthing, all Control & Instrumentation(C&I), Pipe / Cable racks in BTG Area, Civil, Structural & Architectural works of all structures/facilities in Main Plant Package 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, Structural & Architectural works 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.

(e) Complete manufacturing including shop testing/type testing.

(f) 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

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

NTPC LIMITED

PROJECT: Talcher Super Thermal Power Project, Stage-III (2X800 MW)

PACKAGE NAME: Main Plant Package

"Salient Technical Features of the equipment/systems/services covered in the Bidding Document No. **CS-8033/8041/8039-001A-2** 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."

BRIEF SCOPE OF WORK

The Brief scope of work for the subject Main Plant Package for TSTPP-III (2X800 MW) is as follows:

Design, Engineering, Manufacture, Supply, Construction, Erection, Testing & Commissioning works for the Main Plant Package for TSTPP-III (2X800 MW) on the basis of single point responsibility, completely covering the following activities and services in respect of Steam Generator and Auxiliaries, Electrostatic Precipitator, Biomass co-firing capability, Auxiliary PRDS complete, Steam Turbine & Auxiliaries, Air Cooled Condenser, Generator & Auxiliaries, ECW system for TG & SG auxiliaries excluding Station auxiliaries, Condensate polishing plant (CPU) and its regeneration system, Mill Reject Handling System, Air Conditioning & Ventilation Systems for Main Plant Package Area, Inert Gas Fire Extinguishing System (IGFES) for CCR, CERs, UPS & Battery Charger Rooms, etc. in TG Building, Critical Piping & Power Cycle piping, LP Piping in Main Plant Package area, DC Batteries, VFD, Battery chargers, LT switchgear, LT power cables, LT control cables, Lightning Protection, Cabling, Earthing, DG set for main plant, all Control & Instrumentation(C&I), Pipe / Cable racks in Main Plant Package Area, Civil, Structural & Architectural works of Main Power House, Control Room, ESP Control Room, Area Grading, Roads & Drains, underground facilities like drainage, sewerage, trenches, etc. in Main Plant Package 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 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.

(e) Complete manufacturing including shop testing/type testing.

(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) Drain separation and the provision of Sumps/Pits for collecting effluents of Main Plant Package area for further pumping by Employer to ensure ZLD.

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

NTPC LIMITED

PROJECT: **Feroze Gandhi Unchahar Thermal Power Project Stage-V (1x800 MW)**

PACKAGE NAME: **Main Plant Package**

"Salient Technical Features of the equipment/systems/services covered in the Bidding Document No. **CS-8033/8041/8039-001A-2** 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 Main Plant Package of **FGUTPP STAGE-V (1X800 MW)** are as follows:

Design, Engineering, Manufacture, Supply, Construction, Erection, Testing & Commissioning works for the Main Plant Package of **FGUTPP STAGE-V (1X800 MW)** on the basis of single point responsibility, completely covering the following activities and services in respect of Steam Generator and Auxiliaries, Electrostatic Precipitator, Biomass co-firing capability, Auxiliary PRDS complete, Steam Turbine & Auxiliaries, Air Cooled Condenser, Generator & Auxiliaries, ECW system for TG & SG auxiliaries excluding Station auxiliaries, Condensate polishing plant (CPU) and its regeneration system, Mill Reject Handling System, Air Conditioning & Ventilation Systems for BTG Area, Inert Gas Fire Extinguishing System (IGFES) for CCR, CERs, UPS & Battery Charger Rooms, etc. in TG Building, Critical Piping & Power Cycle piping, LP Piping in BTG area, DC Batteries & Battery Chargers, VFD, Main Plant DG Sets, Construction Power & Construction Lighting, LT switchgear, LT power cables, LT control cables, Lightning Protection, Cabling & Cable tray & associated works, Earthing, all Control & Instrumentation(C&I), Pipe / Cable racks in BTG Area, Civil, Structural & Architectural works of all structures/facilities in Main Plant Package 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, Structural & Architectural works 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.

(e) Complete manufacturing including shop testing/type testing.

(f) 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

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