



Salient Technical Features for Dry Ash Extraction and Transportation Plant Package for Bhilai PP-II (2x30 + 1x14)MW

Salient Technical Features of the works covered in IFB no. CC/C&M/C-329 dated 30/04/2014 are mentioned below. These Salient Technical Features are mentioned only to facilitate prospective bidders to prime-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 Works covered in the Bidding Documents. Detailed provisions in regard of Scope of Work and Technical Features / Specification of Works, contained in the bidding document shall be final and binding.

Introduction

Bhilai Power Plant-II (PP-II) under NTPC-SAIL Power Company Private Limited having 3 x 150TPH boilers with rating of 30 MW each and power generating capacity of (2 X30+ 1X14) MW installed by BHEL. The existing ash handling plant consists of submerged scraper chain conveyors for handling the bottom ash, flushing boxes for economizer & air heater ash and feeder ejectors for ESP fly ash in each unit.

Location and Approach

Project Location	Chhattisgarh
Nearest Railway Station	Power House - Bhilai
Distance of project location from the Railway station	6 KM
Distance of Raipur Airport from the Project Site	35 KM (Approx.)
Distance from Nearest Highway Point to the site	7 KM (Approx.)

Brief Scope of Work

1. Turnkey Supply, Erection and Commissioning of complete Dry Fly Ash Extraction and Transportation Plant (DAETP) for 3x30 MW Boilers of Bhilai Captive Power Plant-II, including all Mechanical, Electrical, C&I and associated Civil and Structural works.
2. Turnkey Supply Erection & Commissioning shall include design, engineering, supply manufacture, shop fabrication, assembly, testing, inspection, packing, inland transportation, inland transit insurance, delivery to site, complete services of erection including erection, supervision and testing, dismantling / removal / modification / repair / overhaul and re-erection of existing equipments, inspection, commissioning, performance testing and handing over to the owner including insurance during storage, erection & commissioning of the entire DAETP.
3. The Scope of Work shall include all necessary Civil & Structural Steel works, Buildings, Structures, Equipment Foundation, Pipe & Cable Supporting Structures, Platform & Access, Stairs, Mechanical & Electric Plant & Equipment, and Lifting Equipment required for maintenance, Control & Instrumentation, Mechanical Services & Pipe Work and Electrical Services associated with the DAETP of all Units.
4. The principle features of the work shall be as under:
DAETP System which includes Dry Ash Storage Silos, Dry Ash / Conditioned Ash Unloading Equipment and Accessories for the Storage Silos, necessary compressors, pumps, pump / compressor house building etc. along with associated electrical, C&I, civil and structural works. The equipment and materials to be supplied by the Contractor shall form a comprehensive Dry Fly Ash Extraction and Transportation Plant for all units.
