



### **Renovation and Modernization of RAPH at Durgapur Captive Power Plant-II (2X60 MW)**

Salient Technical Features of the works covered in **IFB no. CC/C&M/C-541 dated 23/04/2019** 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.

#### **A. Introduction**

Durgapur Captive Power Plant-II (CPP-II) under NTPC-SAIL Power Company Limited have Two (2) Nos 60 MW Capacity Power Generating Units installed by Poland Company were commissioned in 1987 & 1988. These Steam Generators are provided with M/s RAFAKO Poland make Regenerative Rotary Air Pre heaters (RAPH).

#### **B. Location and Approach**

Project Location	West Bengal
Nearest Railway Station	Durgapur
Distance of project location from the Railway station	8 Km
Distance of Kolkata Airport from the Project Site	190 Km (Approx.)
Distance from Nearest Highway NH-2(GT Road) Point to the site	5 Km

#### **C. BRIEF SCOPE OF WORK**

1. Replacement of existing RAPH with new RAPH of adequate size along with associated auxiliaries in the available space for two numbers (02 No) RAPH per boiler and total four (4) sets RAPH for two boilers of NSPCL Durgapur CPP-II(2x 60) along with associated auxiliaries including dismantling of existing RAPH.
2. Design, engineering. Manufacturing, inspection and testing at suppliers works, packing, forwarding to site, unloading, storage and preservation. Pre-assembly, assembly, erection, pre-commissioning, testing and commissioning, trial operation and performance testing of the new RAPH and associated system.
3. Supply and installation of new MCC for both the unit RAPHs.
4. All the necessary civil and structural works.
5. Associated Civil, Electrical & C&I Systems.