

Supply and Installation of Retrofit Emission Controlled Device (RECD)

1. Preamble:

Name of job: Supply, Installation and commissioning of a Retrofit Emission Controlled Device (RECD) for CDU-4 DG set 1250KV to enhance emission controls in compliance with Central Pollution Control Board guidelines.

As per the circular issued by Maharashtra Pollution Control Board circular ref-MPCB/JD (APC) /NCAP/DG SET/ B-0090 dated 02.06.2023, regarding the Retrofitting of Emission Control Device (RECD) for in use Diesel operated Internal combustion engines up to 800 KW (1000 KVA).

As part of Phase-II Engines: The engines complying to emission limits specified in CPCB Stage-2/GSR 771(E) dated 11th Dec-2013 and its amendment vide GSR 232 (E) dated 31st March-2014 and the diesel genset engines manufactured/Imported on or after 1.7.2014 shall establish the compliance of minimum 70% reduction of Particulate Matter by using the retrofitted after treatment device/s without adversely affecting any other emission.

In view of the above, BPCL Mumbai refinery has proposed the tender for the Supply, Installation and commissioning of a Retrofit Emission Controlled Device (RECD) for CDU-4 DG set 1250KV to enhance emission controls in compliance with Central Pollution Control Board guidelines.

2. Scope of Work:

2.1 Deliverables:

- **Fabrication Drawings:**

The contractor is required to conduct a site visit to assess existing conditions and submit detailed fabrication drawings within 7 days of the issuance of the Purchase Order (PO).

- **Commencement of Construction:**

All material, manpower and services required for structural fabrication shall be in the scope of the contractor.

- **Supply of Materials:**

The contractor shall be responsible for providing all materials essential for the effective installation of the RECD.

- **Emission Survey Coordination:**

The contractor shall be responsible for conducting the pre and post survey with the approved labs for the emission values.

- **Supervision of Installation:**

Continuous supervision during the installation and commissioning phases shall be provided by the contractor to ensure compliance with all project specifications.

- **Certification:**

The contractor shall obtain certification for the RECD from authorized Central labs approved by Central Pollution Control Board, confirming minimum 70% reduction of Particulate Matter by using the retrofitted after treatment device/s without adversely affecting any other emission. Approved labs are given below:

1. Automotive Research Association of India (A8AI Pune)
2. International Centre for Automotive Testing (ICAT, Manesar)
3. Indian Institute of Petroleum (HP Dehradun)
4. Vehicle Research Development Establishment (VRDE, Ahmednagar)

2.2 Completion:

All installation, commissioning, and emission survey and certification activities must be completed within 120 days from the date of awarding the PO.

3. Contractor Responsibilities:

- The contractor must ensure all work complies with relevant environmental regulations and industry standards.

4. Quality Assurance:

The contractor shall implement robust quality control measures to guarantee that all installations meet technical specifications and regulatory requirements.

5. Warranty:

Contractor shall give the warranty period of 2 Years or 5K Hrs whichever is earlier.

6. LD clause applicable

As per GPC/GCC.

7. Contract validity

Contract shall be valid for 1 year from date of PO.

8. Completion period:

120 days from date of PO.

9. Payment terms

Under line item 10 – As per GPC.

Under line item 20 - 100% payment shall be made after certification from the authorized central labs.