

CORRIGENDUM-1 TO NIT

TENDER DOCUMENT FOR SUPPLY, INSTALLATION AND SUCCESSFUL COMMISSIONING OF 01 (ONE) PORTABLE & 03 (THREE) PERMANENTLY INSTALLED LASER BASED HIGH RESOLUTION ONLINE PARTICLE COUNTERS AT NRL SITE, NUMALIGARH.

Tender Number: OC01000216/PRA

- In the above Tender Document, of Appendix-A, TECHNICAL SPECIFICATIONS / FUNCTIONALITY OF THE SYSTEM, the clauses of the part, i.e., B) Portable Oil Diagnostic System has been revised and replaced as follows:

Original Clause in the tender

QUOTE

B) Portable Oil Diagnostic System

a) Equipment shall have the following:

- Laser optical scanning advance particle counting technology with portability (Both online and offline).
- Further, it should be possible to analyze oil samples in bottles using integral case mounted pump unit.
- Real Time water PPM measurement with full temperature compensation.
- Real time detection of solid contamination to ISO, SAE and NAS standards.
- Accuracy to measures the quality of oils and fuels in real time.
- Calibration as per ASTM, ISO, NAS & SAE standards wherever applicable. Shall have Continuous performance for prolonged analysis and shall have onsite calibration facility. Calibration shall be traceable to national institute of standards and technology.
- PC connectivity for data transfer.

b) Equipment shall have the capability to measure/ detect the following parameters

- Viscosity up to 500 cSt.
- Moisture content as per ASTM D1533.
- Oxidation of oil and fuel.
- Particle count as per ISO 4406/ NAS 1638 standards.

UNQUOTE

Above clause has been replaced by following modifications:

B) PORTABLE OIL DIAGNOSTIC SYSTEM

a) Portable Lube Oil Particle Counter shall have the following:

- i) Laser optical scanning advanced particle counting technology with portability (Both online and offline), with PC connectivity for data transfer.
- ii) It should be possible to analyze oil samples in bottles using integral case mounted pump unit.
- iii) Real time detection of solid contamination to ISO, SAE and NAS standards.
- iv) Shall have Continuous performance for prolonged analysis and shall have onsite calibration facility to be traceable to NIST (National Institute of Standards & Technology) with Standard Reference Materials (SRM 2806b), as per the requirements of ISO 11171.
- v) Shall have 8 channels for particle counting.

b) Equipment shall have the capability to measure **PARTICLE COUNT** as per ISO 4406/ NAS 1638 standards in Lube oil having viscosity up to 500 cSt.

- Further, Bid Submission close date extended up to 03.01.2018 (before 11 AM) with Bid opening as on 04.01.2018 (After 11 AM)

All other terms and conditions of the Tender Document remain unaltered.

Date: 22.12.2017


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