

3 SCOPE OF SUPPLY AND TECHNICAL SPECIFICATIONS

3.1 SCOPE OF SUPPLY

- 3.1.1 Supply of 1 No of Magnetic Flux Leakage (MFL) Tank Floor Scanner.
- 3.1.2 Country of origin and manufacture should be European, USA or Japanese.
- 3.1.3 MFL Tank Floor Scanner suitably protected for transportation and suitable for abnormal weather conditions.
- 3.1.4 Supplier should give a manufacturer's warranty for all the equipment supplied by him for a period of 12 months from the date of delivery to CPSTL.
- 3.1.5 Supply of as built detailed drawings, all test certificates, calibration certificates, operation and maintenance manual along with the MFL Tank Floor Scanner in English Language.
- 3.1.6 Supplier should provide Standard Calibration Plate/s for the Magnetic Flux Leakage (MFL) Tank Floor Scanner.
- 3.1.7 Supplier should provide list of spares needed within 5 years, if any and prices of such spares.
- 3.1.8 Supplier should arrange training in operation, maintenance, troubleshooting & calibration of the offered MFL Tank Floor Scanner at his factory for two Engineers. This training should comprehensively cover all functions and analysis features of the instruments with practical demonstration to meet the satisfactory level of CPSTL engineers. All cost including accommodation, Cost of return air charges, food and local expenses shall be borne by the supplier.
- 3.1.9 Third party inspection by one of following third party inspection companies at the manufacturer's shops and submission of third party inspection report to CPSTL.
 - Lloyds
 - S. G. S.
 - Bureau Veritas
 - ABS

Signature of the Bidder:

Date:.....

Company Seal (Rubber Stamp)

3.2 TECHNICAL SPECIFICATIONS

Principle of Operation	: Array Magnetic Flux Leakage & Magnetic Field Reluctance (STARS)
Compliance	: API 653
Top and bottom discrimination	: should be able to discriminate top and bottom
Detection capability	: 20% or more material loss under floor and top surface, 2 mm in diameter
Test through Coatings Thickness	: minimum 1 mm
Speed	: minimum 500 mm/sec
Scanned width	: minimum 300 mm
Plate Thickness Range	: 4 mm to 16 mm
Positional Accuracy	: $\pm 0.04\%$ or more
Un-scanned area	: Maximum 12mm in critical zone & specify the corner dead zone
Method of Propulsion	: Motor driven, anti-static drive wheels
Dimensions (W×H×D)	: maximum 510 × 1000 × 700mm
Weight	: should be less than 65 kg
Maximum Width	: 510 mm (Should be able to enter through 520 Manway)
Batteries	: Supply with 3 standard Batteries and charger for continuous use
Typical Battery Operational Time	: up to 4 hours
Operating Temperature	: 10 °C to 40 °C
Storage Temperature	: 10 °C to 40 °C
Lighting	: Front and rear LED Lighting
Screen	: Detachable and Touch Screen
Analysis Software	: should be provided and compatible with Windows

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