

Technical Specifications of Toxicity Analyser (Laboratory-based acute toxicity analyzer)

1.0 Bidder Eligibility Criteria:

| I | Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India) | Class I / Class II | Local Content value | Reference, Page No. |
|------------|--|--------------------------------|-------------------------------|----------------------------|
| I | Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 th September 2020 and other subsequent orders issued therein. | | | |
| 2.0 | Bidder Eligibility Criteria-II | Compliance (Yes/No) | Reference Page No. | Remarks, If any |
| 1 | The bidder/OEM should have supplied at least 3 similar items to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation. | | | |
| 2 | The bidder should provide local service engineer details to attend service related issues | | | |
| 3 | Company should be registered in India for last 3 years. Proof of company registration should be enclosed. | | | |
| 4 | The bidder should have 1 Crore turnover in any one of the last 3 Financial Year | | | |

3.0 Technical Compliance:

Technical specifications required for one unit of Toxicity Analyser (Laboratory-based acute toxicity analyzer): -

| Sl.No | Parameters | Specification | Complied / Not Complied | Reference Page No. |
|-------|---------------------------------|--|----------------------------|-----------------------|
| 1 | Measurement Method | Bioluminescence | | |
| 2 | Light Source | Proprietary fully dynamic photomultiplier | | |
| 3 | Room Temperature | 15 to 30°C | | |
| 4 | Active Cooling Reagent Well | 5.5 +/- 1°C | | |
| 5 | Active Cooling Incubator Block | 15 +/- 0.5°C | | |
| 6 | Active Cooling Read Well | 15 +/- 0.5°C | | |
| 7 | Reagent Operational Temperature | 10 to 28°C | | |
| 8 | Instrument Operational Humidity | 5 to 95% non-condensing or better | | |

| | | | | |
|-------------------------------------|--|---|--|--|
| 9 | Standard Protocols | <ul style="list-style-type: none"> a) Basic Toxicity Test b) Comparison Test c) Confirmation Test d) ASTM (D5660) e) DIN (Deutsches Institut für Normung 38412 Teil Test) f) Screening Toxicity Test g) SOLO Screening Test h) International Standards Organization (ISO) 11348-3 i) Solid Phase/Basic Solid Phase j) WET (Whole Effluent Toxicity) | | |
| 10 | Custom Protocols | Parameters of standard test protocols can be modified | | |
| 11 | Quality Control Protocols | Zinc and Phenol or equivalent | | |
| 12 | Data Storage | Test results can be stored for future reference or downloaded to a USB drive | | |
| Terms and Conditions | | | | |
| 1 | The equipment must have one-year warranty. Quote must include 2 years Extended warranty and AMC for 2 years as optional | | | |
| 2 | Necessary training and installation to be provided. | | | |
| General Terms and Conditions | | | | |
| 1 | The instrument should analyze the toxicity of drilling muds mining, wastewater, soil and water, industrial effluents, industrial process water, marine water, medical/pharmaceutical products, food packaging materials, personal care and household chemical analysis, sediments, stormwater runoff, and solid phase materials. | | | |

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the above points with document proof as required. Failing which bidders will be technically disqualified)