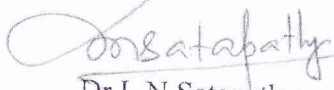
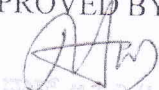




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| Purchase Specification of Centrifuge | No. CTI/LNS/MYM 046 /2013/02 REV : 00 DATE : 07.11.2013 PAGE : Page 1 of 1 |
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| SL NO | SPECIFICATION | REQUIREMENT |
|-------|---|--|
| 1 | Purpose | The equipment will be used for separating solid particles from the liquids using sedimentation principle. |
| 2 | Scope of Supply | Microprocessor controlled Centrifuge along with suitable angle head. Detailed technical specification is shown in clause 10 of this specification. The Vendor must ensure that the equipment being offered is a new one and not refurbished or repaired one. If any of the equipment supplied by the Vendor is found to be substandard, refurbished or not in accordance with the description /specification or otherwise faulty, the purchaser will have the right to reject the equipment or its part |
| 3 | Qualifying Requirement: | Manufacturer / Principals of Original manufacturer should have supplied at least ONE , similar equipments or use in similar usage in industries / Institutions in India and certificate from user to demonstrate satisfactory operation of equipment for at least one year is essential. In case of agent for overseas manufacturer, a letter of authorization from the manufacturer should be submitted along with the offer. |
| 4 | Warranty and Service | One year warranty from the date of completion of installation. All spares supplied for maintenance during warranty period should be free of cost. |
| 5 | Utilities Requirement : | Various utilities such as power connection, computer connectivity etc. are to be provided by BHEL separately. However, technical requirement of these utilities are to be furnished by the vendor. |
| 6 | Safety features | Equipment to be provided with suitable Safety arrangements |
| 7 | Availability of Spares | The Vendor must assure the availability of spares for servicing of equipment for at least 5 years. Supplier should give an undertaking that spares parts will be supplied within the specified periods as and when ordered. |
| 8 | Training | ONE day training should be provided free of charge at the premises of BHEL, Malleswaram Complex , BANGALORE on operation and maintenance of the equipment. The equipment will be installed by the supplier at BHEL Malleswaram complex, Bangalore, India |
| 9 | Descriptive literature and User & Service Manuals | A set of specifications, description and illustrated literature of the equipment, electrical circuit diagram and related peripherals should accompany the Techno-Commercial bid. A set of User's manuals and Service manuals of the main instrument, attachments and related equipment should be supplied with the equipment |

| SL NO | SPECIFICATION | REQUIREMENT |
|--|--------------------------------|--|
| 10 | Technical Specification | |
| The equipment will be used to separate precipitated solid particles from liquids by centrifugal force . The equipment will be supplied alongwith Rotor head and two sets of containers | | |
| a. | Speed | >6,000 rpm |
| b. | Relative Centrifugal force | ≥ 7,000 "g" without Rotor Head Accessories |
| c. | Rotor Head | Angle Head with Polypropylene containers of 6 x 200 ml each |
| d. | Control and Display | Microprocessor control with interactive LCD display , Menu driven programme memory |
| e. | Sensors | For Safety lid interlock and imbalance detection with cutoff |
| f. | Electrical requirement | 220-240 V , 50 Hz. |

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| PREPARED BY  Dr L N Satapathy DY. General MANAGER/CTI | APPROVED BY  Dr. R N Das AGM & Head /CTI |
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