**SHORT TIME ENQUIRY**

**BIT/PUR/STT/CIVIL/21-22//IC000484/2021 DATE:27/09/2021**

To,

 **M/s. ..............................................**

Dear Sir,

Subject : Request for Quotation for Procurement BIODIESEL PRODUCTION UNIT

You are requested to submit most competitive rates(s) for the following item(s) as per details given below (Sealed Quotations may be sent by hand or by post):

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| Last date and time for submissions of complete Quotations by Email to dr.purchase@bitmesra.ac.in, purchase2@bitmesra.ac.in sealed quotations can be submitted to the under mentioned address. | **18.10.2021 15:00 Hrs.**( If all LTE Vendors submit the quotation prior to the submission date, the quotations will be opened prior to last date of submission.) |

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| Sr.No. | Item Description | **Quantity** |
| 1 | COMPRESSION & FLEXURE TESTING MACHINE WITH ACCESSOIRESGeneralThe machine shall the calibrated for measuring ranges as per BS EN ISO 7500-1:1999 and IS: 1828:Part1: 2005.The setup should comprise of the following components:1. Computerized control unit (1 no.):o Comprising of a PC interface loaded with an interactive software for exercisingfully automatic load, displacement and strain controlled testingof specimen via appropriate hardwareo Capable of storing, analyzing and presenting key test data through thesoftware GUIHydraulics:o Should be capable of implementing servo-hydraulic controlof load, displacement and straino Should be capable of producing a continuous and nonpulsatingoil flow of suitable pressureo Should consist of oil-filter(s), oil-strainer(s), air-cooling system,oil temperature indicator, oil level indicator, and adrain plugo Should have the provision of connecting to a minimum of four test-frames and run any one at a given timeo Should be capable of running on standard AC single orthree phase supplyo The noise rating of hydraulic power pack should be lesserthan 75 dbo The hydraulic power pack should be vibration free and compact2. Compression frames (2nos.):o Capable of testing cement, mortar, concrete and masonry specimenwith loading capacities of 3000 kN (1 no.), 500 kN (1 no.)3000 kN (1No.):a. The frame should have a column/plate type structure with safetyguard doorsb. The frame should have a single acting hydraulic cylinder at itscenterc. The frame should have a longitudinal stiffness of 3 MN/mm orbetterd. The loading platens should have a Rockwell hardness of 50 HRCor bettere. The top platen should have a spherical ball seat arrangement andthe bottom platen should have suitable marking to facilitate thecentering of cubic and cylindrical specimenf. Platen size: 300 mm or biggerg. Minimum vertical clearance between platens: 500 mmh. Minimum horizontal clearance: 425 mmi. Suitable distance pieces should be provided to facilitate holding ofspecimen of up to 100 mm heightj. The actuator should have a suitable transducer capable of measuringload in range of 1% to 100% of the full-scale with a resolutionof 0.1 kN and an accuracy of ±1% or betterk. The actuator should have a suitable transducer capable of measuringdisplacement of up to 50 mm at 0.001 mm resolution withan accuracy of ±1% or betterl. Maximum travel of ram should be equal to 50 mm with suitabletravel limit switch500 kN (1No.):a. The frame should have a column/plate type structure with safetyguard doorsb. The frame should have a single acting hydraulic cylinder at itscenterc. The loading platens should have a Rockwell hardness of 50 HRCor betterd. The top platen should have a spherical ball seat arrangement andthe bottom platen should havesuitable marking to facilitate thecentering of cubic and cylindrical specimene. Platen size: 150mm or biggerf. Minimum vertical clearance between platens: 200 mmg. Minimum horizontal clearance: 200 mmh. The frame should be capable of holding cubic specimen of up to50 mm height, if required, through suitable accessories.i. The actuator should have a suitable transducer capable of measuringload in range of 1% to 100% of the full-scale with a resolutionof 0.1 kN and an accuracy of ±1% or better.j. The actuator should have a suitable transducer capable of measuringdisplacement of up to 10 mm at 0.001 mm resolution withan accuracy of ±1% or better.k. Maximum travel of ram should be equal to 50 mm with suitabletravel limit switch.3. Flexure frame (1 no.):o Capable of testing cement, mortar, concrete and masonry specimenwith a loading capacity of 300 kN300 kN:a. Working range: 3 to 300 kNb. The frame should have a suitable structure with safety arrangementsc. The frame should have a single acting hydraulic cylinder at itscenterd. The frame should be capable of implementing three-point andfour-point flexure test | **01 Nos.** |
| 2 | IOS ANGLES ABRASION TESTING MACHINE"Los Angels Abrasion Testing MachineIS:10070, 12 Steel balls of 48 mm dia. Weighing between390 and 445 gm,440 V,50 Hz, 3-Phase AC supply" | **01 Nos.** |
| 3 | CRACK MEASUREMENT MICROSCOPE"Crack Measurement Microscope, measuring the width of cracks in concretewith following specifications:Magnification - 50xMetric scale - 0 mm to 2 mmMetric resolution - 0.02 mm | **01 Nos.** |

Sealed Quotation may be submitted superscribed with reference number as appended hereunder:-

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| Quotation for Supply of ---- Ref.No. -------- **BIT/PUR/STT/CIVIL/21-22//IC000484/2021** To,Dy. Registrar (Purchase) Birla Institute of Technology From : M/s----------------------------------------Mesra , Ranchi , Jharkhand Address : ----------------------------------------835215 Contact No. ------------------------------------- Email ID---------------------------------------  |

GST Exemption: The Institute is partially exempted from the payment
of GST vide GOI Notification No.45/2017-Central Tax (Rate), dated
14.11.2017 and 47/2017-Integrated Tax (Rate), dated: 14.11.2017 the applicable IGST will be at the rate of 5%. Necessary documents (DSIR) and related certification will be provided.

1. HSN code of the material should be mentioned in quotation.
2. All entries in the quotation should be typed or computer printed without any ambiguity and should be free from correction etc. Hand written offers will be rejected.
3. Late and delayed tenders will not be considered. In case any unscheduled holiday occurs on prescribed closing date the next working day shall be the prescribed date of closing.
4. The quotation should be submitted with descriptive literature & drawing. The make of the items offered should be clearly specified.
5. Material should be confirming to our specification. The deviations if any should be clearly indicated in the quotations.
6. Successful bidder has to furnish the OEM test certificates along with the materials (if applicable).
7. Rate /Price: The offered price shall be on **FOR BIT Mesra on Door Delivery basis**.
8. No Advance payment will be considered at any circumstances.
9. If offered Price Term is other than the FOR-Destination term, approximate Freight & forwarding charges along with the applicable Insurance charges may be mentioned.
10. Details of GST registration, PAN No. should be furnished along with quotations.
11. Road Permit: The supplier shall arrange Road Permit on his own for transportation material to BIT Mesra and any additional tax liability on this account shall be borne and paid by the supplier.
12. Purchaser will not pay separately for transit insurance/taxes (if any) and the supplier will be responsible until the stores arrive in good condition at the destination.
13. Warranty: Period of warranty should be clearly mentioned and also the parts covered under it. Warranty will be applicable from the date of successful installation.
14. Service Facility: Supplier must mention about the service set up in India & confirm effective after sales service.
15. BIT Mesra is not bound to accept the lowest or any quotation for whatsoever reason and reserve its right to accept or reject in whole or in part any or all the quotations received without assigning any reason.
16. Applicable taxes shall be quoted separately for all items and levies payable by the supplier under the contract shall be included in the unit price.
17. Each bidder shall submit only one quotation and sealed quotation to be submitted / delivered at the address. (Alternatively it can be email at purchase2@bitmesra.ac.in or dr.purchase@bitmesra.ac.in) or deliver by hand.
18. Training clause ( if any )to be mentioned.
19. Delivery period should be mentioned clearly in the quotation.
20. Conditional tenders will not be considered.
21. Authorized dealership certificate should be submitted in case principal manufacturing company is not quoting directly.
22. Liquidated Damage clause: A penalty of 0.5% of the delivered price of the delayed goods will be applicable for each week or part thereof subject to a maximum of 10% of the delivered price.
23. Customs Duty: The Institute is exempted from payment of Customs Duty Vide GOI Notification No. 51/96 Customs, dated 23.07.1996 & No.24/2007-Customs dated 01.03.2007 with registration no 11/161/90-TU-V dated 24.07.2019. Sd/-

Dy. Registrar Purchase

BIT Mesra Ranchi-835215