**SHORT TIME ENQUIRY**

**BIT/PUR/STT/MECH/21-22//IC000479/2021 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):

|  |  |
| --- | --- |
| Last date and time for submissions of complete Quotations by  Email to dr.[purchase@bitmesra.ac.in](mailto:purchase@bitmesra.ac.in), [purchase2@bitmesra.ac.in](mailto: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.) |

|  |  |  |
| --- | --- | --- |
| Sr.No. | Item Description | **Quantity** |
| 1 | BIODIESEL PRODUCTION UNIT  Skid mounted Semi Automatic Bio Diesel Production Pilot Plant 10 LPB With Multiple Feed Option  1. Transesterification Reactor with capacity 10 Ltrs SS 304 Top and bottom dished type thickness 3.5 mm with heating arrangement(by specially designed Circular heater to maintain the accurate temperature control inside reactor by indirect heating from outside, Insulated with glass wool and  covered with aluminum foil, fitted with imported motor and stirrer turbine type(Ruston impeller) on steel shaft and fitted with vacuum line with accessories like feed funnel, vent valve,Drain valve safety valve, thermowell.  2. Esterification conical tank capacity 10 Ltrs bottom conical type thickness 3.5 mm with heating  arrangements by specially designed electric heater from outside ,insulated with glass wool and covered with aluminium foil fitted with imported motor and stirrer Stainless steel 304 , fitted with  accessories like feed funnel, vent valve, drain valve safety valve,thermowell .  3. Condenser(Shell and tube type)stainless steel 304 condenser with tube(12 Nos MOC SS 304) Dia of tube 12.5 mm,Length 450 mm with stainless steel cups.  4. Water heating bath for water washing with capacity 10 Ltrs insulated with glass wool and fitted with hot water pump suitable for spraying the hot water during washing  of Bio diesel.  5. Receiver tank volume 2 Ltrs made of stainless steel 304 for methanol recovery fitted with vacuum gauge and vacuum line with necessary valves and fittings.  6. Catalyst Mixing tank volume 4 Ltrs MOC stainless steel 304 with jacket for cooling water circulation fitted with imported geared motor with 200 RPM and stainless steel 304 stirrer Ruston type impeller.  7. Dosing pump : Peristaltic Pump for Dosing of catalyst in reactor as per desired flow rate will be provided with flow rate ranges from 1 to 150 ml/min and working pressure upto 3.5 bar ,with variable RPM.  8. Settling tank capacity 10 Ltrs top open bottom conical 1 No. will be provided MOC stainless steel with level Gauge.  9. Column with dia.40 mm and height 500 mm of compatible size fitted on transesterification reactor and column is filled with Raschig Rings Packings MOC of column Stainless steel 304  10. Product transfer pump 1 No compatible capacity  11. Control Panel contains all necessary controls with Instrumentation and wiring with PID controller standard Make on/off switch.  12. Vacuum pump Arsh make Compatible capacity and Temperature sensors  13. All necessary fittings and valves for plant, Painted with good quality PU paint all reactors and  accessories will be mounted. on skid mounted MS structure.  Installation and demonstration. | **01 Nos.** |

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

|  |
| --- |
| Quotation for Supply of ----  Ref.No. -------- **BIT/PUR/STT/MECH/21-22//IC000479/2021**  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](mailto: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