**Format for Submission of Expression of Interest (EOI)**

# Brief about Expression of Interest

|  |  |
| --- | --- |
| Name of the Equipment/ Good | **LABORATORY WET SPINNING SYSTEM** |
| Location of the Supply | College of Engineering & Technology (CET)  Techno-Campus, Ghatikia, Bhubaneswar-751029 |
| Name of Authority | Principal |
| Eligible firms | The firm should be the OEM/Authorized Dealers of the OEM having experience in supply and maintenance of the same item earlier. |
| Date of Submission of EOI | Last date is 20.03.2019 |
| Contact person | HOD of the concerned Department |
| Phone Number of Contact person | 9437385554 |
| Email | hodte@cet.edu.in |
| Address for submission of EoI | Principal  College of Engineering & Technology (CET)  Techno-campus, Ghatikia, P.O. Mahalaxmi Vihar Bhubaneswar-751029  **The EoI will be submitted by Speed Post/Registered Post only** |
| Selection Process | Stage1: Expression of Interest (EOI);  Stage 2: Quotation proposal submission in TEQIP-III format |
| * **The EoI will be submitted by Speed Post/Registered Post only** * The sealed envelope containing the EoI should be super scribed with “**Expression of Interest (EoI) for supply of ………………..in Department of…………………..”** | |

**Technical Specification:**

Wet spinning system consists of:

* Dope Tank, Coagulation Bath (1 Bath), Metering Pump & Spinnerets, Roller Assembly, Heater Plate & Spin finish  & Control Panel.

**Dope Tank :**

3 Kg Approximately Heating by Mica Heater to Achieve temperature Up to 2000 Centigrade . Provision for Nitrogen Purging in Dope Tank. Filter Assembly with wire mesh for filter of Solution. Above parts material of Construction is Stainless steel 304 Grade.

**Coagulation Bath (1 Bath)**:

Made in Polypropylene the Inner size of Bath is 100CM X 100CM X100CM (minimum). The hydraulic jacks provided to up down the coagulation Bath the stand for coagulation Bath in Stainless Steel 304.

* 3 or 4 double walled water baths

**Metering Pump**:

Metering Pump capacity 4 CC / Revolution Material of Construction For Metering Pump is Dye steel ,Metering pump drive with geared AC motor up to 200 RPM the speed controlled by AC Inverter Drive the minimum speed of Metering Pump is 30 RPM

**Spinneret :**

Assembly and spinnerets material of construction is Teflon Spinnerets Diameter is 0.4 MM to 0.7 MM , L/D is 3 and can be used mono or multifilament multi filament up to 7

(3,5,7 as per requirement )

**Roller Assembly**:

Preferably 4 nos. Roller Assembly (Roller assembly driven by AC motor with different speeds (1st & 2nd roller assembly: 80rpm max, 3rd roller assembly: 120rpm , 4th roller assembly: 160rpm)

**Heater Plate & Spin finish**:

 (Heater plate & Spin Finish tray made of SS, Heater Plate Electrically heated and temperature controlled up to 300°C by Temp. Controller

**Take-up Unit** :

(Winding speed=220m/min Max, Speed regulates according to AC Drive ( Electronically speed control , Bobbin size easily available in market)

**Control Panel:**

 (Consists of: Heating control by PID temperature controllers with ON/OFF switches & Motor control by AC drives with rpm indicators & fine tuning of speed )

* Total power required for the machine is 15 kW, Machine Operating supply AC 3 phase , Physical space required for the machine 15 m X 2m

**APPLICANT’S EXPRESSION OF INTEREST**

To,

Principal,

College of Engineering and Technology

Techno-Campus, Ghatikia

Bhubaneswar-751029

Odisha

Sub: **Submission of Expression of Interest for supply of ………….. with the given Technical specification under TEQIP-III**

Dear sir

In response to the Invitation for Expressions of Interest (EOI) published on \_\_\_\_\_\_\_\_ for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we agree to supply the equipment /item with the following Technical specification:

**Technical specifications**

**Organizational Details** :

1. Name of the Organization
2. Complete postal address with pin code:
3. GST No:
4. Telephone No.
5. Fax Number
6. Mail Id:
7. Name of representative:
8. Representative Mobile Number :
9. Representative E mail Id:

**Experience in related fields:** Attach the purchase order if supplied any other Institute.

**Additional information (if any):**

**Declaration**: We hereby confirm that we are interested in supplying the above equipment/item as per the given Technical specification to CET, Bhubaneswar under TEQIP III and we certify that our organization has not been blacklisted during last three financial years. All the information provided herewith is genuine and accurate.

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp........................

Date:

**Note: This is to be furnished on the letter head of the organization and signed in every page.**