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

# Brief about Expression of Interest

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| --- | --- |
| Name of the Equipment/ Item | RE- Circulating Tilting Close Circuit Laboratory Flume, Digital Flow Meter, Digital Depth Gauge, Wave Generator with Data Acquisition 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 | 7008316528 |
| Email | hodce@cet.edu.in |
| Address for submission of EoI | PrincipalCollege of Engineering & Technology (CET)Techno-campus, Ghatikia, P.O. Mahalaxmi Vihar Bhubaneswar-751029 |
| 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…………………..”**
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**Technical Specification:**

|  |  |  |
| --- | --- | --- |
| SL  | SPECIFICATIONS | RANGE |
| a. | DIMENSION OF THE FLUME:-a. Length:-b. Width:-c. Height:- | 1. 10 m
2. 0.60 m
3. 0.70 m
 |
| b. | TILT MECHANISM:-1. Angel of Tilt:-
2. Tilt Actuations:-
 | 1. 1° to 4°
2. Manual
 |
| 3. | STAND/SUPPORT FOR THE FLUME STRUCTURE:-1. Material of stand/support:-
2. Height of stand/Support:-
 | 1. S. S. channel fabricated
2. 2.0 m
 |
| 4. | MATERIAL OF CONSTRUCTIONS OF FLUME:-1. Steel grade:-
2. Steel sheet thickness:-
3. Transparent sheet thickness:-
 | 1. S.S
2. 4 mm
3. 10 mm
 |
| 5. | MATERIAL OF CONSTRUCTION OF WATER RESERVOIR:-1. Dimensions of Reservoir/Sump:-
2. Steel grade:-
3. Steel sheet thickness:-
 | 1. 3 m Length × 0.3 m Width × 0.50 m Height
2. S.S
3. 4mm.
 |
| c. | RE-CIRCULATION PUMP:- 1. Make of the Pump:-
2. Type :-
3. Power :-
 | 1. Reputed brand like Kirloscar/Crompton Greaves etc.
2. Centrifugal type
3. 10 HP
 |
| d. | PIPING:-1. Grade:-
 | 1. M.S
 |
| e. | JOINT & SEALING:-1. Gasket ( Grade & Thickness):-
2. Fastener:-
 | 1. Rubber 4 – 6mm.
2. Reputed branded
 |
| f. | REGULATOR & VALVE:-1. Material of Constructions:-
2. Grade:-
 | 1. Inside Gun Metal
2. ISI
 |
| g. | Measuring Instrument: | a. Pitot tube with Inclined Manometerb. Point Gauge |
| h. | Wave Generator: -1. Type:
2. Mechanism for wave generator
3. Wave Freq.:
4. Number of Paddle
5. Paddle size
6. Drive: Control
 | 1. Paddle type
2. Electro-Mechanical type
3. 0 – 10Hz (0 – 600rpm)
4. Four
5. 8cm x 5 cm (Nominal)
6. Single phase AC motor with geared mechanism
7. Speed control through Variable Frequency Drive
 |
| i. | Trolley | Trolley arrangement with scaling and x-y movement facility. |
| j. | Electrical Panel | Suitable electric D.B. panel Board consists of 8 way distribution to be provided with necessary switchgears and measuring instruments for running the pump sets. |
| k. | SENSOR:-1. Digital depth gauge:-
2. Range of the Depth Sensor: -
3. Digital flow sensor:-
 | 1. Ultra Sonic type Range as per flume depth
2. 0 to 75 cm
3. Type:-Mag flow type for discharge measurement
 |
| l. | Touch screen DAQ system | 5.6’’ touch screen Data acquisition with software for monitoring of different parameters and analysis* 16 bit system
* Sampling speed 250kS/s
* 12 differential Analog channels
* USB interface for PC
* Software for data downloading
 |
| m. | Walk-way | Suitable walk-way through out flume. |

**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.**