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

# Brief about Expression of Interest

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| --- | --- |
| Name of the Equipment/ Item | **Electro Chemical Machining (ECM) Set up** |
| 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 | 9438180389 |
| Email | hodme@cet.edu.in |
| Address for submission of EoI | Principal  College 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…………………..”** | |

**Technical Specification:**

|  |  |  |
| --- | --- | --- |
| 1 | **TOOL AREA** | 300 square mm or more. |
| 2 | **CROSS HEAD STROKE** | 40 mm or more |
| 3 | **JOB HOLDER** | (100mm x 40mmx 150mm) or better |
| 4 | **TOOL FEED MOTOR** | Hybrid Stepper motor |
| 5 | **SUPPLY** | Three phase 440V AC or better |
| 6 | **ELECTRICAL OUTPUT RATING** | Current 0 -300 Amps or better and  voltage from 0 - 25 V DC or better |
| 7 | **EFFICIENCY** | More than 80 % of partial and full load conditions or better |
| 8 | **OPERATION MODE** | Both manual and automatic |
| 9 | **TOOL FEED RATE** | In the range of 0.2 to 1 mm / min or better |
| 10 | **MACHINING TIME** | 0 to 1999 seconds or better, variable through touch screen. |
| 11 | **MACHINING CURRENT LIMIT SETTING** | 5 - 300 Amps Variable through touch screen or better |
| 12 | **MACHINING VOLTAGE SETTING** | 0- 25 volt Variable through touch screen or better |
| 13 | **LCD DISPLAY** | For voltage, output current,feed rate electrolyte temp or any more parameter. |
| 14 | **PROTECTION** | For Current overload, short circuit |
| 15 | **USB Port** | For data storage. |
| 16 | **ALL SETTING PARAMETERS** | Through LCD touch screen panel |
| 17 | **PULSATING FACILITY** | On time 100 microseconds to 1 second variable  off time 100 microseconds to 1 second variable  Plus amplitude 2v-10v variable |
| 18 | **MICROPROCESSOR CONTROLLER** | For forward & reverse, feed rate settings, feed rate or more |
| 19 | **CONTROL PANEL** | The power supply will be a perfect integration of, high current electrical, power electronics and precision programmable microcontroller based technologies. |
| 20 | **ELECTROLYTE CIRCULATION SYSTEM** | The electrolyte circulation is carried out from a tank with a corrosion resistant pump1/4 HP AC The tank will be either corrosion resistant material or will contain corrosion resistant coating. All fittings are made out of corrosion resistant material or of S.S/ P.P. Material |
| 21 | **ECM TOOLS** | Different types of ECM tools made out of standard materials will be supplied along with machine, these are of shape half - round, square & Hexagonal etc |

**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.**