

**Tender No.
GERMI/EEERW/2014/004**



**GUJARAT ENERGY RESEARCH & MANAGEMENT
INSTITUTE (GERMI)**

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**GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE INVITES
QUOTATIONS FROM SUPPLIERS FOR PURCHASE OF INSTRUMENTS FOR
ESTABLISHING ENERGY EFFICIENCY LABORATORY UNDER ITS
ENVIRONMENT AND ENERGY EFFICIENCY RESEARCH WING**



Date of Issue: 14th October, 2014

**Last date for submission of
quotations: 28th October, 2014**

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1. INVITATION FOR BIDS

INVITATION TO BIDDERS

GUJARAT ENERGY RESEARCH & MANAGEMENT INSTITUTE

1st Floor, Energy Building, Pandit Deendayal Petroleum University Campus,

Raisan Village, Gandhinagar, Gujarat – 382007, India

Phone No.: +91-79-23275364

Fax No.: +91-79-23275380

REQUEST FOR BIDS

Gentlemen:

GERMI invites sealed techno-commercial bids for supply of instruments for establishing Energy Efficiency Laboratory at its premises under its environment and Energy Efficiency Research Wing.

Bidders are requested to kindly bid for the same based on the specifications and terms and conditions given in the tender document. Please read the tender document carefully and bid only if all the terms especially related to payment are acceptable. The Security Deposit for the tender is Rs. 5,000.00 which needs to be submitted along with the technical bid.

Bids should be submitted to **The Director, GERMI** on or before 28th October, 2014. Director, GERMI reserves the right to accept or reject all the bids without giving any reason thereof.

----- Sd -----

Madhu Choudhary

Dy. Manager (Commercial)

2. INTRODUCTION

2.1 Background of the Work

- 2.1.1 Gujarat Energy Research & Management Institute (hereinafter referred to as “GERMI”), is promoted by Gujarat State Petroleum Corporation Ltd. (GSPC) is a fully integrated energy company. It is one of the fastest growing state owned companies and has excellent support from Gujarat Govt. as well as from Central Govt.
- 2.1.2 GERMI is a centre of excellence in industry learning and has set up to develop human resource assets to cater to the petroleum and allied energy sectors, improve knowledge base of policy makers and technologists and provide a competitive edge to leaders to compete in the global arena. GERMI has already established Pandit Deendayal Petroleum University which is actively pursuing initiatives in the areas of education and research in alternative energy resources.
- 2.1.3 GERMI plans to develop a World-Class Research Centre with all the high-tech state-of-the-art facilities. The research centre is currently at a very nascent stage and needs a long way to go. To begin this journey, it had already started developing the initial infrastructure for setting up of Laboratories.
- 2.1.4 Sealed quotes are invited for procurement of instruments for the Environment and Energy Efficiency Research Wing of GERMI as per the minimum desired specification given in this document.

2.2 List of instruments or materials to be supplied along with specification

- 2.2.1 Quotations are invited from original instrument manufacturers or their authorized distributors or agents in India for the following instruments:

Sr. No.	Instrument	Specifications
1.	Lux Meter	Range: 0 to 99,999 Lux Accuracy: $\pm 3\%$ Resolution 1 Lux (0 to 19.999Lux) 10 Lux (Remaining Range)
2.	Digital Thermometer	Range: -50°C to $+1000^{\circ}\text{C}$ Accuracy ± 1 digit: $\pm(0.5^{\circ}\text{C} + 0.3\%$ of mv) (-40°C to $+900^{\circ}\text{C}$) $\pm(0.7^{\circ}\text{C} + 0.5\%$ of mv) (remaining range) Warranty: 2 Years Probes Waterproof immersion/penetration probe, TC Type K, fixed cable 1.2m Range: -60°C to $+400^{\circ}\text{C}$
3.	Digital Infrared Pyromter	Range Infrared: -30°C to $+400^{\circ}\text{C}$ Type K (NiCr-Ni): -50°C to $+500^{\circ}\text{C}$

		<p>Accuracy: ± 1 digit Infrared: $\pm 1.5^{\circ}\text{C}$ or $\pm 1.5\%$ of mv (+0.1 to +400$^{\circ}\text{C}$) $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of mv (-30 to 0$^{\circ}\text{C}$) Type K (NiCr-Ni): $\pm 0.5^{\circ}\text{C}$ or +0.5% of mv Resolution: 0.5$^{\circ}\text{C}$ Distance to Measurement Spot: 12:1</p>
4.	Digital Differential Pressure Indicator	<p>Range: 0 to 100 hPa Accuracy ± 1 digit: ± 0.03 hPa (0 to 0.3 hPa) ± 0.05 hPa (0.31 to 1.0 hPa) $\pm (0.1 \text{ hPa} + 1.5\% \text{ of mv})$ (1.01 to 100 hPa) Resolution: 0.01 hPa Selectable units: hPa, mbar, Pa mmH₂O, in H₂O, inhg, mmhg, psi, m/s, fps</p>
5.	3 Phase Clip-on-meter	<p>Clamping Diameter: 34mm Display: Backlit LCD Resolution: 6000 counts Current – AC+DC: 0.15 to 600A (900A peak) Best Accuracy: 1% reading + 3 counts Current: 5 Hz to 3000 Hz Voltage: 5Hz to 20kHz 1-phase & 3-phase total Power values Active power: 1W to 600kW Reactive power 1VAr to 600kVAr Apparent power: 1VA to 600kVA</p>
6.	Anemometer	<p>Measurement of flow velocity, volume flow and temperature Measurement range: 0 to +/- 20 m/s Accuracy: +/- (0.03 m/s + 5% of mv) Resolution: 0.01 m/s With appropriate probes</p>

3. ELIGIBILITY OF BIDDERS

3.1 Eligible Suppliers

3.1.1 The Bidder should be an original instrument manufacturer

OR

3.1.2 The Bidder should be a selling agent/authorized distributor/authorized dealer/authorized supply house.

3.1.3 The Bidder should submit back-up authority letter from the concerned manufacturers who authorized it to market their product, provided further such an authority letter is valid atleast till the 60 days from the date of submitting the Bids.

3.1.4 Offers without back-up authority from the manufacturers will not be considered.

3.2 Experience

3.2.1 The Supplier should have supplied the required instruments or materials in India or worldwide and should mention the name of its clients in the quotation. This clause is applicable for supply of instruments only.

3.2.2 The quotations submitted by any Supplier failing to meet the requirements specified in clause 3.1 and 3.2 above can be rejected by GERMI at its own discretion.

4. SUBMISSION AND EVALUATION OF BIDS

4.1 Preparation of bids

- 4.1.1 The bid should be in two different parts i.e. technical and financial bid.
- 4.1.2 The technical bid should comprise of the details regarding the specifications of the instrument, its brochures, other documents required such as manufacturer's authority letter, copy of previous purchase orders etc.
- 4.1.3 The tender document signed and stamped by authorized signatory should also be submitted in the technical bid.
- 4.1.4 The financial bid should consist of the quotation for the scope of work.
- 4.1.5 Both the technical and financial bids should be submitted separately in two different envelopes, mentioning on top of each – Technical Bid / Financial Bid.
- 4.1.6 Both the envelopes should be properly sealed and put in a separate bigger envelop together and that sealed envelope should be submitted to GERMI, clearly mentioning on the top of it **"Bids for procurement of instruments for Energy Efficiency Lab under GERMI's Environment and Energy Efficiency Research Wing" and the "tender no. GERMI/EEERW/2014/004"**.

4.2 Submission of bids

- 4.2.1 Last date for submission of bids is 28th October, 2014 by 1500 hrs. Director, GERMI reserves the right to reject any/all offers without assigning any reasons thereof.
- 4.2.2 Bids should be submitted to:

The Director

Gujarat Energy Research and Management Institute,

1st Floor, Energy Building, Pandit Deendayal Petroleum University Campus,
Raisan Village, Gandhinagar, Gujarat – 382007, India

Any queries related to the tender may be addressed to the following person:

Ms. Madhu Choudhary,

Dy. Manager (Commercial)

Email: madhu.c@germi.org

Ph.: +91 79 23275364

Mr. Niral Patel

Chemical Engineer, EEERW

Email: niral@germi.res.in

4.3 Opening of Bids

- 4.3.1 All the bidders are invited for opening of the bids. If there is any extension in the deadline of submission of the bids, then the date of opening of bids shall also be extended by that date.
- 4.3.2 Technical bids will be opened on 28th October, 2014 at 1530 Hrs in the presence of the bidders and financial bid of qualified bidders shall be opened on the same day at 1430 Hrs.

- 4.3.3 Meanwhile our Committee shall evaluate the technical bids for the eligibility of bidders just after opening the technical bids.
- 4.3.4 Financial bid of those bidders shall be opened who qualify the eligibility and minimum experience criteria.

4.4 Evaluation of Bids

- 4.4.1 The Bidder shall clearly indicate separately all unit costs of its supply and installation, taxes, freight and shipping, excise and duties, etc.
- 4.4.2 The Technically and Financially qualified Bidder with the lowest overall cost shall be selected as the Successful Contractor.

5. General Terms and Conditions

5.1 General Instructions:

- 5.1.1 GERMI reserves the right to reject the quotation without assigning any reason thereof.
- 5.1.2 Completeness of the instrument shall be the responsibility of the Supplier. Any instrument, fittings and accessories, which may not be specifically mentioned in the specification or drawing(s) but which are usual or necessary for the satisfactory functioning of the instruments (successful operation and functioning of the instrument being Supplier's responsibility), shall be provided by the Supplier without any extra cost.
- 5.1.3 The instrument shall be manufactured in accordance with sound engineering and good industry standards and also the Supplier shall in all respect design, engineer, manufacture and supply the same within delivery period to the entire satisfaction of GERMI.
- 5.1.4 The supply shall be carried out strictly in accordance with the specifications or as directed by GERMI.
- 5.1.5 The time allowed for completion of work shall be **20 (Twenty) days or less**, which shall be reckoned from the date of issue of Purchase Order.
- 5.1.6 The Quotation shall remain valid for **at least 60 days**.
- 5.1.7 Income tax and other statutory dues shall be deducted from the Supplier's bill as per Govt. of India rules.
- 5.1.8 No escalation in any form either of materials or labor shall be payable by GERMI.

5.2 Warranty/Guarantee for Instruments only

- 5.2.1 The Supplier of instrument should transfer the original warranty received from the manufacturer to GERMI.
- 5.2.2 The Supplier must ensure that the goods supplied under the contract are new, unused and of most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract.

5.3 Terms of Payment

- 5.3.1 The normal terms of payment are:
 - 1. 100% of the payable amount shall be paid within 30 days time after receipt of the invoice and acceptance of the materials in good condition and its satisfactory installation and operation.
 - 2. Subject to any deduction which GERMI may be authorized to make, the Supplier shall be entitled to payment as follows:
 - a) All payments shall be made in Indian Rupees.
 - b) The Supplier shall submit the bill / invoice for the work executed showing separately VAT, Service Taxes and any other statutory levies in the bill / invoice.
- 5.3.2 The terms of payment shall be as stipulated in main body of the purchase order.
- 5.3.3 The quotation shall specify separately the F.O.B. price, C.I.F. price and the customs duty payable. They will also indicate correctly the rate of customs duty applicable along with

Indian customs tariff number. In case of Indian Supplier, total deliverable cost including breakup of the applicable taxes, levies etc. shall be provided as part of the Quotation.

- 5.3.4 In case where all the Suppliers have quoted only for imported stores against forwarded delivery, the quotes will be evaluated on prices exclusive of customs duty. In such case the amount of customs duty as legally liable calculated by reference to the tariff value of the stores declared by the Supplier.

5.4 Other general terms for instrument supplier

- 5.4.1 The manufacturer or/and its authorized agents/ dealers representatives are requested to quote for all possible variants and models along with optional components and attachments. The sample preparation components as required for a specific model should also be quoted.
- 5.4.2 Not used
- 5.4.3 Not used
- 5.4.4 The complete instrument & all accessories shall be guaranteed for satisfactory performance.
- 5.4.5 Not used
- 5.4.6 The place of delivery for all instruments is GERMI Gandhinagar at PDPU Campus.
- 5.4.7 All the instruments should be quoted with price distribution for all essential and optional attachments, spare parts, maintenance kit (tool set), operational consumables, standards whichever is applicable.