



Tender No.
GERMI/PRW/2018/012

GUJARAT ENERGY RESEARCH & MANAGEMENT
INSTITUTE (GERMI)

**GUJARAT ENERGY RESEARCH AND MANAGEMENT INSTITUTE INVITES
QUOTATIONS FOR PROCUREMENT OF DIFFERENT LABORATORY ITEMS
FOR ITS PEROLEUM RESEARCH WING**



Issue Date: 22nd May, 2018

Last date for submission of
quotations: 31st May, 2018

Address:

Ground Floor, GERMI Building,
Pandit Deendayal Petroleum University Campus,
Raisan, Gandhinagar, Gujarat - 382 007, INDIA
Phone: +91 79 2327 5757
Fax: +91 79 2327 5780
Web: www.germi.org

1. About GERMI

1.1 Background of the GERMI

- 1.1.1 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.
- 1.1.2 GERMI is a centre of excellence in industry learning and has been 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 (PDPU) which is actively pursuing initiatives in the areas of education and research in alternative energy resources.
- 1.1.3 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.
- 1.1.4 It is presently developing Petroleum Research Laboratory and for one of its major projects a few necessary arrangements are required and for which this tender is floated.

2. Scope of Supply

2.1 Item rate quotations are invited for supply of the items listed below for the Petroleum Research Wing of GERMI.

I: Laboratory chemicals

| Sl. No. | Chemicals | Quantity | Preferred Manufacturer | Grade |
|---------|--------------------------|------------|-----------------------------------|----------|
| 1 | n Hexane | 25 lts | Rankem / Sigma Aldrich / Merck | LR Grade |
| 2 | Toulene | 25 lts | | |
| 3 | Xylene | 25 lts | | |
| 4 | n Heptane | 25 lts | | |
| 5 | n Pentane | 25 lts | | |
| 6 | Methyl Ethyle Ketone | 25 lts | | |
| 7 | iso propyle alcohol | 5 lts | | |
| 8 | Absolute Ethanol | 5 lts | | |
| 9 | Acetone | 5 lts | | |
| 10 | Nitric acid | 10 lts | | |
| 11 | Potassium Thio cyanate | 500 gm | | |
| 12 | Silver nitrate | 100 gm | | |
| 13 | Ferric Ammonium Sulphate | 500 gm | | |
| 14 | Sodium Hydroxide | 1000 gm | | |
| 15 | Potassium Hydroxide | 5 KGS | | |
| 17 | Phenolphthalein | 100 ml | | |
| 18 | Sodium biphenyl reagent | 100 ml | | |
| 19 | trimethyl pentane | 2.5 ltr | | |
| 20 | Congo red paper | | | |
| 21 | Silver chloride | 100 gm | | |
| 22 | Sulphuric acid | 5 lts | | |
| 23 | Hydrofluoric acid | 2.5 ltr | | |
| 24 | EDTA | 1000 gm | | |
| 25 | 0.2 micro filter paper | 100 strps | | |
| 26 | 0.45 micron filter paper | 100 strips | | |
| 27 | 11 micron filter paper | 100 strips | | |
| 28 | gluconic acid | 500 gms | | |
| 29 | oxalic acid | 500 gms | | |
| 30 | acetic acid | 5 ltrs | | |
| 31 | citric acid | 500 gms | | |
| 32 | sucrose | 500 gms | | |
| 33 | Czepek medicum | 50 gms | | |
| 34 | Bromocresol Green | 100 ml | | |
| 35 | Methyl red | 100 ml | | |
| 36 | Calcium Carbonate | 500 gms | | |

| | | | | |
|----|---------------------------------|-----------|--|--|
| 37 | Erichrome black T | 50 gms | | |
| 38 | Ammonium Chloride | 500 gms | | |
| 39 | Ammonium hydroxide | 1000 gms | | |
| 40 | Formic acid | 2.5 gms | | |
| 41 | hydro chloric acid | 2.5 ltr | | |
| 42 | Potassium chromate | 500 gms | | |
| 43 | sodium chloride | 500 gms | | |
| 44 | calcium chloride | 500 gms | | |
| 45 | Magnesium chloride | 500 gms | | |
| 46 | patton's and reader's indicator | 50 gms | | |
| 47 | Muroxide | 30 grams | | |
| 48 | Methyl orange | 100 ml | | |
| 49 | sodium carbonate | 1000 gms | | |
| 50 | Potassium chloride | 500 gms | | |
| 51 | sodium acetate | 500 gms | | |
| 52 | ammonium acetate | 500 gms | | |
| 53 | methanol | 5 lts | | |
| 54 | Potassium ferrocyanide | 500 gms | | |
| 55 | Tri ethanolamine | 500 ml | | |
| 56 | calcon indicator | 50 grms | | |
| 57 | Activated charcol | 500 gms | | |
| 58 | ammonium paramolybdate | 500 grams | | |
| 59 | ascorbic acid | 500 gms | | |
| 60 | p Nitro phenol indicator | 50 gms | | |
| 61 | Potassium di hydrogen phosphate | 500 gms | | |
| 62 | Di potassium hydrogen phosphate | 500 gms | | |
| 63 | Potassium permanganate | 500 gms | | |
| 64 | Boric acid | 500 gms | | |
| 65 | liquid paraffin | 250 gms | | |
| 66 | Potassium hydrogen pthalate | 500 gms | | |
| 67 | Ortho phosphoric acid | 10 Lts | | |
| 68 | Sodium flouride | 500 ml | | |
| 69 | Ferrouin indicator | 50 gms | | |
| 70 | Ferrous ammonium sulphate | 500 gms | | |

| Sl. No. | Chemicals | Quantity | Preferred Manufacturer | Grade |
|---------|--|----------|------------------------|--------------------|
| 71 | BG 11 | 1500 gms | Hi media | Microbiology grade |
| 72 | High purity standard for HPLC D-cellobiose | 25 gms | Sigma Aldrich | HPLC grade |
| 73 | High purity standard for HPLC D(+)glucose | 25 gms | | |
| 74 | High purity standard for HPLC D(+)xylose | 25 gms | | |

| | | | | |
|-----|--|---------|---------------------------------------|---------------------------|
| 75 | High purity standard for HPLC D(+) D(+) galactose | 25 gms | | |
| 76 | High purity standard for HPLC D(+) D(+) arabinose | 25 gms | | |
| 77 | High purity standard for HPLC D(+) D(+) arabinose | 25 gms | | |
| 78 | Yeast extract | 500 gms | | AR Grade |
| 79 | Peptone | 500 gms | | |
| 80 | Dextrose | 500 gms | | |
| 81 | Agar | 500 gms | | |
| 82 | Magnesium Sulphate | 500 gms | | |
| 83 | Zinc Sulphate Heptahydrate | 500 gms | | |
| 84 | Ferric Citrate | 500 gms | | |
| 85 | Copper Sulphate Heptahydrate | 500 gms | | |
| 86 | Cellulase Enzyme | 50 ml | | |
| 87 | Chloroform HPLC grade | 2.5 ltr | | |
| 88 | Methanol HPLC grade | 2.5 ltr | Merck | HPLC grade |
| 89 | Hexane HPLC grade | 2.5 ltr | | |
| 90 | Hydrochloric acid | 2.5 ltr | J T Baker | AR Grade |
| 91 | Tridecanoic acid methyl ester (C13:0ME) standard (#91558-5ML) | 10 ml | | HPLC grade |
| 92 | FAME Standard Calibration Mix C8:0–C24:0 | 100 mg | | |
| 93 | Tetrabutylammonium hydroxide | 100 ml | | AR Grade |
| 94 | Paraformaldehyde | 500 gms | Sigma Aldrich | |
| 95 | Benzoic acid | 500 gms | | |
| 96 | Sodium Nitrate | 500 gms | | |
| 97 | Potassium Nitrate | 500 gms | | |
| 98 | Vitamin B12 (V6629-100MG) | 100mg | | |
| 99 | Vitamin B1 | 100mg | | |
| 100 | Glassfiber filters (Whatman GF/F, 47 mm, nominal pore size 0.7 micron) | 2 packs | | Standard quality |
| 101 | Hi-Purity Cellulose Extration Timbles (size: 25 x 80 mm): (25 numbers in each box) | 4 Packs | Whatman / Sigma Aldrich | |
| 102 | Minimal Agar -M512-500G | 1 | | Microbiology grade |
| 103 | Minimal Broth Davis - M389-500G | 1 | Himedia | |
| 104 | Ethyl Acetate | 5 Lit | | AR Grade |
| 105 | Carbon tetra Chloride | 5 Lit | | |
| 106 | Di-Chloro Methane | 5 Lit | | |
| 107 | Benzene | 5 Lit | | |
| 108 | Acetonitrile | 5 Lit | Rankem / Sigma Aldrich / Merck | |
| 109 | Tri chloromethane (Chloroform) | 5 Lit | | |
| 110 | Cyclo Hexane | 5 Lit | | |
| 111 | Silica Gel 60 - 200 mesh | 5 Kgs | | |

II: Laboratory Glassware

| Sl. No. | Glassware | Product Code | Qty | Make |
|---------|--------------------------------------|--------------|-----|--------------|
| 1 | 1000 ml Glass Beaker | 1000D29 | 20 | Borosil |
| 2 | Screw Cap Glass Bottle 100 ml | 1501016 | 20 | |
| 3 | Screw Cap Glass Bottle 250 ml | 1501021 | 10 | |
| 4 | Screw Cap Glass Bottle (1 Litre) | 1501029 | 20 | |
| 5 | Screw Cap Glass Bottle (5 Litre) | 1501033 | 5 | |
| 6 | Screw Cap Glass Bottle (10 Litre) | 1501038 | 5 | |
| 7 | Specific Gravity Bottle 25 ml | 1625009 | 5 | |
| 8 | Glass Measuring Cylinder 10 ml | 3027006 | 5 | |
| 9 | Glass Measuring Cylinder 25 ml | 3027009 | 5 | |
| 10 | Glass Measuring Cylinder 50 ml | 3027012 | 5 | |
| 11 | Glass Measuring Cylinder 100 ml | 3027016 | 10 | |
| 12 | Glass Measuring Cylinder 250 ml | 3027021 | 5 | |
| 13 | Dessicator 200 mm ID | 3082043 | 2 | |
| 14 | Rotary evaporator flask 50 ml 29/32 | 4320012 | 1 | |
| 15 | Rotary evaporator flask 250 ml 29/32 | 4320021 | 1 | |
| 16 | Rotary evaporator flask 1000ml 29/32 | 4320029 | 1 | |
| 17 | Conical Flask 100 ml | 5100016 | 200 | |
| 18 | Conical Flask 1000 ml | 5100029 | 50 | |
| 19 | Columns | 6100066 | 5 | |
| 20 | Glass Funnel | 6140071 | 10 | |
| 21 | Seperating Funnel | 6400021 | 10 | |
| 22 | 2 ml Glass pipettes | 7081P22 | 5 | |
| 23 | 5 ml Glass Pipettes | 7081P05 | 5 | |
| 24 | 10 ml Glass Pipette | 7081P06 | 2 | |
| 25 | Glass Stirrer | 9850307 | 20 | |
| 26 | Watch Glass | 9986079 | 5 | |
| 27 | Cover Slip | 9115S03 | 10 | |
| 28 | Two Finger clamp | LAFC8888Z02 | 10 | |
| 29 | Three Finger Clamp | LAFC8888AD3 | 10 | |
| 30 | Bossheds | LABH8888RBL | 20 | |
| 31 | Dean Stark Apparatus | 3602006 | 5 | |
| 32 | Petri dishes | 3165075 | 200 | |
| 33 | Viscometer cannon fenske | BT3CD503400 | 2 | |
| 34 | Viscometer cannon fenske | BT3CD503450 | 1 | |
| 35 | Viscometer cannon fenske | BT3CD503350 | 1 | |
| 36 | CHNS Combustion tube (Perkyn Elmer) | N241-1514 | 1 | Perkyn Elmer |
| 37 | CHNS Combustion tube (Perkyn Elmer) | N241-1264 | 1 | Perkyn Elmer |

III: Other Misc. Items

| Sl. No. | Miscellaneous Items | Code | Qty | Unit | Make |
|---------|---|---------------|---------------|------|-----------------|
| 1 | Carboy with stop cock 20 lts | 34052 | 2 | 2 | Polylab |
| 2 | Seperatory Funnel Holder | 45104 | 5 | 5 | |
| 3 | Round Bottom flask Stand | 45105 | 10 | 10 | |
| 4 | Buchner Funnel 110 mm | 57106 | 5 | 5 | |
| 5 | Analytical Funnel | 57202 | 10 | 10 | |
| 6 | Powder Funnels | 57223 | 10 | 10 | |
| 7 | Industrial Funnel | 57231 | 5 | 5 | |
| 8 | Float Rack | 63201 | 5 | 5 | |
| 9 | MCT box | 63214 | 10 | 10 | |
| 10 | Centrifuge tube conical bottom 50 ml | CG268-1X100NO | 2 pks (100) | 2 | Hi media |
| 11 | Centrifuge Tube box 15 ml | 63351 | 10 | 10 | Polylab |
| 12 | Centrifuge Tube box 50 ml | 63352 | 10 | 10 | |
| 13 | Rack for petri dishes | 69102 | 5 | 5 | |
| 14 | Test tube peg rack | 77852 | 5 | 5 | |
| 15 | Test tube baskt | 78113 | 5 | 5 | |
| 16 | Pipette Stand | 79101 | 2 | 2 | |
| 17 | Measuring Cylinder 10 ml | 80031 | 10 | 10 | |
| 18 | Measuring Cylinder 25 ml | 80032 | 10 | 10 | |
| 19 | Measuring Cylinder 500 ml | 80036 | 10 | 10 | |
| 20 | Measuring Cylinder 1000 ml | 80037 | 10 | 10 | |
| 21 | Measuring Jugs 2000 ml | 81104 | 10 | 10 | |
| 22 | Stirrer | 81405 | 20 | 20 | |
| 23 | Laboratory Tray | 81701 | 10 | 10 | |
| 24 | Utility Tray | 81721 | 10 | 10 | |
| 25 | Carrier Tray | 81731 | 5 | 5 | |
| 26 | Test Tube Stand | PW107-5NO | 1 pk (5 no) | 1 | Hi media |
| 27 | Test Tube Stand | PW105-2NO | 2 pk (2 no) | 2 | |
| 28 | Wide mouth bottle 125 ml | 582220 | 10 pk (12/pk) | 10 | Tarson |
| 29 | Zero degree mini cooler with gel filled cover | 525050 | 1 | 1 | |
| 30 | minus 20 degree mini cooler with gel filled cover | 525060 | 1 | 1 | |
| 31 | Ice Bucket | 525150 | 2 | 2 | |
| 32 | Octagon Magnetic Stirrer Bar | 4153 | 1 pk (10) | 1 | |
| 33 | Magnetic Retrriver | 4192 | 2 pk (2 no) | 2 | |
| 34 | Micro Centrifuge tube 1.7 ml | 1301114GB | 2 pk (1000) | 2 | |

| | | | | | |
|----|--|---------------|-----------------|---|------------------------------------|
| 35 | 0.2 ml PCR tubes Flat cap | 130063GB | 1 pk (10000) | 1 | |
| 36 | 1000ul Sterile and low retention micropipette tips | 1301051 | 2 pk (1000) | 2 | |
| 37 | 200ul universal grad tip, sterile, low retention filter | 130101 | 2 pk (1000) | 2 | |
| 38 | 10 ul universal grad tip, sterile, low retention filter | 130083 | 2 pk(1000) | 2 | |
| 39 | Micro tip box of 2-10ul | 67011 | 5 | 5 | Polylab |
| 40 | Micro tip box of 2-200ul | 67012 | 5 | 5 | |
| 41 | Micro tip box of 2-1000ul | 67013 | 5 | 5 | |
| 42 | Cryo Rack | 66201 | 5 | 5 | |
| 43 | Rack For micro centrifuge tubes | 77705 A | 5 | 5 | |
| 44 | 1000ul tips, racked | 130069RGB | 1 | 1 | Genei |
| 45 | 200ul tips, racked | 130075GB | 1 | 1 | |
| 46 | 0.5-10 ul tips, racked | 130084RGB | 1 | 1 | |
| 47 | Disposable Masks -Sterile (Individual packing) - 100 nos. each box | LA228-1x100NO | 3 pk (100) | 3 | Himedia |
| 48 | Microwave oven (23 liters) | | 1 | 1 | LG / Samsung |
| 49 | Micropipettes Stand (with 5-6 places) | | 1 | 1 | Hi media / Polylab / Tarson |
| 50 | Parafilm Roll (2"x250') | 380010 | 1 | 1 | Hi media |
| 51 | Parafilm Roll (4"x125') | 380020 | 1 | 1 | |
| 52 | Sterile cotton Swab | PW003-1x100NO | 1 | 2 | |
| 53 | Plate master for speed plating LA622-1NO | LA622-1NO | 1 | 1 | |
| 54 | Automatic loop sterilizer LA001-1NO | LA001-1NO | 1 | 1 | |
| 55 | Magnetic Stirrer (Make: REMI, Capacity: 1 MLH) | Make: REMI | 1 | 2 | REMI Make |
| 56 | Magnetic Stirrer (Make: REMI, Capacity: 5 MLH) | Make: REMI | 1 | 1 | |

3. Instructions to Suppliers

3.1 Submission of quotation

- 3.1.1 Last date for submission of quotation is 31st May, 2018 before 1500 hrs. Director Geenral, GERMI reserves the right to reject any/all offers without assigning any reasons thereof.
- 3.1.2 Quotations sent to GERMI office in hard copy shall only be accepted.
- 3.1.3 The envelop should be properly sealed, clearly mentioning on the top of it “**Quotations for supply of different laboratory items for PRW** - Tender No. GERMI/PRW/2018/011.
- 3.1.4 Quotations should be submitted to:

The Director General

Gujarat Energy Research and Management Institute,

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

Raisan Village, Gandhinagar, Gujarat – 382007, India

Phone: +91 79 2327 5757

Fax: +91 79 2327 5780

Email: madhu.c@germi.res.in

Any queries related to the scope of supply may be addressed to the above stated to Ms. Madhu Choudhary on above given contact details.

3.2 Earnest Money Deposit

- 3.2.1 For each category of item, the supplier needs to submit an EMD of Rs. 2,000.00 (Rupees Two Thousand only) in the form of demand Draft along with their quotation. For example if supplier is quoting for category one and two the EMD amount will be Rs. 4,000.00 and in a similar way for all the 3 category of items Rs. 6,000.00.
- 3.2.2 The Demand Draft should be on the name of Gujarat Energy Research and Management Institute, payable at Gandhinagar.
- 3.2.3 The EMD of all the unsuccessful bidders shall be returned once the successful bidder accepts the purchase order.
- 3.2.4 EMD of successful supplier shall be returned once the supplier delivers all the items at GERMI office for which the purchase order has been issued.
- 3.2.5 EMD of successful bidder can be forfeited if the supplier fails to supply all the items on time at GERMI office or rejects the purchase order after accepting it once.

3.3 Opening of quotations

- 3.3.1 The quotations shall be opened on the last date of submission only i.e. on 31.05.2018 at 1530 Hrs in the presence of all the available bidders.

- 3.3.2 All the bidders quoting their prices for this tender may remain present during the opening. However even if the supplier is not present, it shall be considered that they have given their consent to open the same in the presence of all the available bidders.

3.4 Evaluation of quotations

- 3.4.1 Quotations shall be evaluated based on the quoted technical specification and price.
- 3.4.2 Price of all the technically qualified suppliers for matching all the specifications and other terms and conditions of this tender will then be compared and thus, the lowest quoted technically qualified supplier shall be selected.

4. General Terms and Conditions

4.1 General Instructions:

- 4.1.1 GERMI reserves the right to reject the tender without assigning any reason thereof.
- 4.1.2 The work should be carried out in accordance with the directions of GERMI.
- 4.1.3 The time allowed for completion of work shall be **Forty (40) days**, which shall be reckoned from the date of issue of Purchase Order.
- 4.1.4 The Quotation should remain valid for **at least 60 days**.
- 4.1.5 All or any Claim(s), dispute(s) or difference(s) arising out of or in with connection with this agreement shall be subject to the jurisdiction of the Courts at Gujarat (Gandhinagar/Ahmedabad) only.
- 4.1.6 Prices should be quoted all inclusive for each item inclusive of all taxes, transportation and installation charges, if any, etc.
- 4.1.7 No other charge shall be paid extra.
- 4.1.8 The tender document should also be signed and stamped and should be sent along with the quotation.

4.2 Terms of Payment

- 4.2.1 The normal terms of payment are 100% of the payable amount shall be paid within 30 days time after receipt of invoice/bill through cheque/delivery of items a GERMI whichever is later.
- 4.2.2 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 GST and any other statutory levies in the bill / invoice.

5. Price Format

5.1 Format of price/quotation to be filled

On company's letterhead)

Quotation No.: _____ Date: _____

Price quotation submitted to Gujarat Energy Research and Management Institute (GERMI)

Part 1: Chemicals/Glassware/Misc. Items

| Sr. No. | Particulars | Make | Volume/ Size | Rate (In INR) | Tax (In INR) | Quantity | Amount (In INR) |
|---------|-------------|------|--------------|---------------|--------------|----------|-----------------|
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |

Transportation charges if any, should be mentioned additionally.

Terms and conditions, if any

Name, Sign and Stamp

Sign & Stamp