

## INVITATION FOR QUOTATION

TEQIP-III/2018/gwec/Shopping/31

10-May-2018

To,

Sub: Invitation for Quotations for supply of Goods for Production Practice Lab(ME)

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Core Hardness Tester	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
2	Dial Gauge	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
3	Dial Vernier Caliper	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
4	Digital Vernier Caliper	1	45	Mechanical Department, Govt.	Yes



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				Women Engineering. College Ajmer	
5	Drilling Tool Dynamometer	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
6	FOUNDARY SHOP: Crucible with Handle	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
7	FOUNDARY SHOP: Making aMould	10	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
8	Green Mould Hardness Tester	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
9	Lathe Tool Dynamometer (Three Component type)	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
10	Mechanical Vernier Caliper	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes



11	Micrometer Inside Type	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
12	Micrometer Outside Type	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
13	Micrometer Outside Type 2	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
14	MIG Welding set	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
15	Milling Tool Dynamometer 2 Component	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
16	Oven	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
17	Profile Projector	1	45	Mechanical Department, Govt. Women Engineering. College	Yes



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18	Rapid Moisture Meter	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
19	Rapid Sand Washer (Similar To Ridsale Type)	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
20	Sand Muller	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
21	Sand Permeability Meter	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
22	Sand Rammer (Ridsdale Type)	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
23	Sieve Shaker (Gyratory type)	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
24	Sine Bar 1	1	45	Mechanical Department, Govt. Women	Yes



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				Engineering. College Ajmer	
25	Sine Bar 2	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
26	Sine Bar 3	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
27	Slip Gauges Set	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
28	Spot Welding Set	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
29	Telescopic Gauge	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
30	Thermocouple	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
31	TIG Welding set	1	45	Mechanical Department, Govt.	Yes



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				Women Engineering. College Ajmer	
32	Universal Bevel protractor	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
33	Universal Sand Strength Machine, Accessories for Universal Sand Strength Machine	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes
34	Vernier Tooth Gauge	1	45	Mechanical Department, Govt. Women Engineering. College Ajmer	Yes

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Quotation,

3.1 The contract shall be for the full quantity as described above.

3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.

3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.

3.4 Applicable taxes shall be quoted separately for all items.



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- 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than 45 days after the last date of quotation submission.
6. Evaluation of Quotations,  
The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which
- 6.1 are properly signed ; and
- 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:  
The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
- 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:  
**Delivery and Installation - 90% of total cost**  
**Satisfactory Acceptance - 10% of total cost**
10. All supplied items are under warranty of 36 months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by 02:00 hours on 18-Jun-2018 .



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12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Required On Site**
14. Testing/Installation Clause (if any) **Required On Site**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,  
Makhupura, Nasirabad Road, Ajmer -305002
17. We look forward to receiving your quotation and thank you for your interest in this project.
18. Please write the package and lab name on envelope.

  
(Authorized Signatory)  
**Principal**  
Govt. Women Engg. College  
Ajmer



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### Annexure I

Sr. No	Item Name	Specifications
1	Core Hardness Tester	For controlling the surface hardness of cores produced by traditional and newest core process.
2	Dial Gauge	Study of various measuring tools like dial gauge, micrometer, Vernier caliper and telescopic gauges 0-25mm L.C. 0.01mm
3	Dial Vernier Caliper	L.C. 0.02 mm Range - 300mm
4	Digital Vernier Caliper	Range 300mm
5	Drilling Tool Dynamometer	Torque and thrust measurement during drilling This is an armed wheel type strain gauge drill tool dynamometer designed to measure thrust and torque during drilling operation. This dynamometer is suitable for drilling a hole up to 25 mm size in M.S. With this dynamometer the students can study the change in these forces by varying speed, cut and feed. Features: Rigid in construction. Sensitive transducing and amplifying system for accuracy in force measurement. Compact two channel digital force indicator. Use of cutting fluid during operation is possible
6	FOUNDARY SHOP: Crucible with Handle	Crucible with Handle to be use in Smithy shop
7	FOUNDARY SHOP: Making aMould	To prepare mould of a given pattern requiring core and to cast it in aluminum. For Making aMould require the following set consist of accessories: Moulding box, Flat rammer, Peen rammer, Vent rod, Draw spikes, Smoother Straight Edge, Spru Pegs, cleaner, sleeker, Mallet, Moulding board
8	Green Mould Hardness Tester	For measuring the surface hardness of green sand moulds and green core. Complete with case. Range 0 to 100.
9	Lathe Tool Dynamometer (Three	Forces measurements during orthogonal turning . This is a strain Gauge type lathetool dynamometer. designed to



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	Component type)	<p>measure vertical and horizontal forces on tool while orthogonal cutting process. The unit consists of a mechanical sensing unit or tool holder and digital force indicator. With this dynamometer, students can study the change in these forces due to change in speed, feed and depth of cut. Specifications:</p> <ul style="list-style-type: none"> <li>* Mechanical sensing unit with tool holder and tool with strain Gauges mounted on it.</li> <li>* Digital Force Indicator- two/three channel, to read both forces simultaneously</li> <li>* Balancing Potentiometer for initial balancing.</li> <li>* Range: 0 to 200 Kg, least count- 1 kg</li> <li>* The setup is calibrated at our works with the help of standard Proving Ring.</li> </ul>
10	Mechanical Vernier Caliper	L.C. 0.02 mm Range 300 mm
11	Micrometer Inside Type	L.C. 0.01 mm Range 50-200 mm
12	Micrometer Outside Type	L.C. 0.01 mm 0-25 mm
13	Micrometer Outside Type 2	L.C. 0.01 mm 25-50 mm
14	MIG Welding set	MIG Welding set with a cylinder. Complete with all accessories
15	Milling Tool Dynamometer 2 Component	<p>Forces measurement during plain milling operation. This is a simple and easy set up to study the behavior of cutting forces during milling operation in three directions. One can evaluate cutting forces for varying cutting depth, speed and feed. The unit works on standard method of octagonal ring with strain gauges. It is in two parts, one mechanical set up consisting of a set of octagonal ring sandwiched between two M.S. Plates with strain gauges fixed on it. This set of octagonal rings transmits the relevant data to the force indicator during milling operation.</p> <p>Features: Rigid in construction, Easy in handling, Compact three channel digital force indicator with balancing potentiometers and polycarbonate front plate. Range of force measurement in coordinate direction 0- 500 kg</p>



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16.	Oven	Size 14"x14", G.I. inside
17	Profile Projector	<p>To check accuracy of gear profile with the help of profile projector. Profile Projectors are highly sophisticated and versatile designed as per international standards. This comprehensive range covers all conceivable applications. It is ideal for the rapid inspection and measurements (Linear and Angular) of small to medium size components such as water parts, gears, tools, rubber components, miniature electronic assemblies, and so on. Its best quality high resolution optics provides accurate, bright, clear and sharp images. The special front and back surface coated mirror are highly polished and lobbed distortion and reproduction. Three element condenser system and high intensity HALOGEN LAMPS provide brilliant images even in day light condition and no need for curtains, dark room etc. Total in-house design capability and commitment to quality ensure that offer the highest levels of precision, quality, reliability and performance. Technical Specifications:</p> <p>A. PROJECTION SCREEN: Fully useable fine grain ground screens and rotatable screen has cross-hair-line and detachable clips to hold comparator charts.</p> <p>B. TWO MAGNIFICATIONS: 10x lens for general purpose and 20x lens for closer observation. All projection lens screw mount type to project the work piece image on the screen at desired magnification, brightness adjustable for each magnification by condenser on turret, magnification accuracy: Contour <math>\pm 1\%</math> and surface <math>\pm 0.15\%</math></p> <p>C. WORK STAGE: Medium duty 200 x 200mm with standard micrometer heads 0-25 least count 0.01 mm, lifelong smooth movement assured by the incorporation of hard steel rolling both in longitudinal and transverse slide for accurate measurements.</p> <p>D. CONTOUR ILLUMINATOR: Equipped with Helical type condenser built in cooling fan for quick to match the respective objective so as to ensure bright and sharp image on the screen provided with 24V 150/250 Halogen Lamp with solid stage light control transfer.</p>



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		<p><b>E. SURFACE ILLUMINATOR:</b> Specially designed surface illumination system for shadow less light on the optical axis for the inspection of deep cavities. It is provided with 12V-100W Halogen lamp with solid state light control transformer. Horizontal Floor Type Model (Round Screen) ideal for the tracing of projected images. Magnifications 10x and 20x Projection Screen Diameter : 200 mm</p>
18	Rapid Moisture Meter	<p>To perform Moisture test and clay content test. For quick determination of moisture content of materials in powder form viz. soil, sand, coal, pottery slip, cement etc. Calcium Carbide when comes in contact with moisture acetylene gas is generated. This principle is used in Rapid Moisture Meter. A weighed quantity of sample is mixed with fixed quantity of Calcium Carbide reagent and the whole mixture is thoroughly shaken in a vessel to which a pressure gauge is fixed. The acetylene gas produced develops pressure and pressure gauge is calibrated to read percentage moisture. The instrument indicates moisture on wet/weight basis easily convertible to dry weight basis. Specifications: The unit consists of a pressure vessel with clamp for sealing cap, rubber sealing gasket, pressure gauge calibrated in percentage moisture content 0-15% x 1% on the wet weight basis, a counter poised balance for weighing sample, a scoop for measuring carbide reagent, a bottle of reagent, one cleaning brush and a set of 4 steel balls for thorough mixing. Complete in highly polished wooden carrying case with handle.</p>
19	Rapid Sand Washer (Similar To Ridsale Type)	<p>For determining mud content from the grain of Moulding Sand, complete with motor 4000 R.P.M. 220 AC DG, with cable, plug and siphon.</p>
20	Sand Muller	<p>Batch Capacity: 5 Kg Sand Muller consists of one muller and two ploughs with water sprinkling system. Electric motor of 1/2 H.P. working on AC supply.</p>
21	Sand Permeability Meter	<p>To perform permeability test. The permeability meter is used for determining the green and dry permeability of moulding sands and core sand. Complete with 2 Nos. orifices large &amp;</p>



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		small and Permeability scale
22	Sand Rammer (Ridsdale Type)	For preparing A.F.S. standard test specimens. It is used to ram the sand specimen for A.F.S. green and dry permeability test of mould and core sand, compression test, sharing strength test, tensile strength test and transverse strength test and transverse strength test. Complete with sample tube, pedestal cup and stripping post. Accessories for the above rammer: (a) one Tensile Ramming Block (b) one Transverse Ramming Block (c) one Split specimen tube
23	Sieve Shaker (Gyratory type)	A.F.S. Sieve Analysis Test with following Accessories: A Set of following Sieves of 20 cm dia brass frame: 1.7 mm, 850, 600, 425, 300, 212, 150, 106, 75 and 53 Microns with Lid and Pan Digital Weighing balance 200 gm capacity, L.C. 0.01 g
24	Sine Bar 1	200mm, Measurement of angle by using sine bar
25	Sine Bar 2	250mm, Measurement of angle by using sine bar
26	Sine Bar 3	300mm, Measurement of angle by using sine bar
27	Slip Gauges Set	To measure a gap by using Slip Gauges Of 83 pieces (Complete set) To compare & access the method of small bore measurement with the aid of spheres.
28	Spot Welding Set	Hands on practice on spot Welding Spot Welding Set, 7.5kVA
29	Telescopic Gauge	Telescoping T. Bore Gauge 6. pc Cylinder Hole Smooth Gage Professional Set w/Case
30	Thermocouple	Measurement of chip tool interference temperature during turning using thermocouple technique.
31	TIG Welding set	TIG Welding set with a cylinder. Complete with all accessories
32	Universal Bevel protractor	Measurement of angle and width of V groove by using bevel protector Size 12"
33	Universal Sand Strength Machine, Accessories for Universal Sand	Strength test (compressive, Tensile, shear Transverse etc. in green and dry conditions) and Hardness test (Mould and core) (Cost 94800) For determining the green and dry bond strengths



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	Strength Machine	of moulding and core sands. Capacity: AFS Green Compressive strength, AFS Dry Compressive strength Electrically operated Model with Following Accessories: (a) One pair compression test accessories (Cost 5880) (b) One pair Tensile strength accessories (Cost 11280) (c) One pair shearing test accessories (Cost 5880) (d) One pair Transverse strength accessories (Cost 11280)
34	Vernier Tooth Gauge	Measurement of gear tooth thickness by using gear tooth Vernier caliper. 1-20 module



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(In letterhead of the supplier with seal)

Date: \_\_\_\_\_

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs.  (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price  (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. \_\_\_\_\_

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. \_\_\_\_\_ (Amount in figures) (Rupees \_\_\_\_\_ amount in words) within the period specified in the Invitation for Quotations.

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We confirm that the normal commercial warranty/ guarantee of \_\_\_\_\_ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the invitation letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Contact No: \_\_\_\_\_

