

**RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR (UP) INDIA
224122**

Tender No: 04/REC/2015-16

Tender Notice

Director, REC Ambedkar nagar invites sealed Tenders from eligible bidders for supply and commissioning of Lab Equipments for different Departments of ***Rajkiya Engineering College , Ambedkar Nagar***. Separate tenders must be submitted at College for each package of following Departments:

1. Civil Engg 2. Workshop / Physics

The tender documents can be downloaded from the Institute website www.mkrecit.ac.in and may be submitted by 26.11.2015 upto 02:00 PM. Tenders will be opened on the same day at 03:00 PM in the committee room of the college. Cost of tender document and EMD as mentioned in the tender document should be in the form of separate bank draft in favour of Director, Rajkiya Engineering College Ambedkar nagar payable at Ambedkar Nagar (U.P.). Director reserves all rights to reject any or all tenders without assigning any reason thereof.

For Tender Cost, EMD, Specifications and other details please visit our website: www.mkrecit.ac.in

REGISTRAR

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR (UP) INDIA 224122

TENDER DOCUMENT

No: REC/Tender-01/4/2015-16

Date: **03.11.2015**
Opening Date: **26.11.2015**
Opening Time: **03.00 PM**
Opening Place: **Committee Room**
REC Ambedkar nagar

Sealed and separate tenders in duplicate in two parts i.e. tender bid-I and tender bid-II are herewith invited for **Supply & Commissioning of Laboratory Equipments and other items at REC Ambedkarnagar** along with earnest money amounting to Rs.... (Mentioned with package/unit) in the shape of Demand Draft of Nationalized/Scheduled Bank in favour of Director REC Ambedkar nagar (UP). Both envelopes should be kept in one big envelope. The tenders should reach to undersigned latest by **26.11.2015 at 2.00 PM.**

Tenders are being invited to purchase and commissioning of equipments to establish various laboratories. Each laboratory will be treated as one package /unit. It is expected that a firm selected for the establishment of a laboratory shall supply all equipments of that laboratory. The firm will also complete the work of installation/ mounting and commissioning of these equipments. This include concrete foundation work (in case of heavy machines), electrical safety, electricity wiring in the laboratory to make these equipments functional.

Terms & Conditions:

1. Details of equipments/ materials are as per bill of quantity attached.
2. Tenders should be submitted either in person or by post in sealed envelopes on which name of package/unit, tender number and date along with name and address of the firm will be written.
3. **TENDER BID-I** (Technical) shall contain (i) Tender cost (non refundable) (ii) Earnest Money (iii) Proof of PAN and TIN registration document (iv) Standing of the firm (v) Major supplies executed in recent past (vi) Authorized dealer certificate from OEM & Commercial terms and conditions.
TENDER BID-II (Financial) shall contain rate schedule only. The rates must be quoted in both figures and words. Any overwriting and/or cutting must be duly attested failing which tenders are likely to be rejected.
4. All tenders received after due date and time will not be considered.
5. Price quoted should be F.O.R. **Rajkiya Engineering College Ambedkarnagar (UP).**
6. The detailed specifications and make of the equipments /material must be given.
7. The quoted items should strictly be in order of merit with serial number and metric unit otherwise the tenders are liable to be ignored.

8. Conditions regarding validity of tenders, delivery period, payment discount, warrantee and Guarantee Period, Trade Tax, Excise & Custom Duty and insurance etc. should be mentioned clearly. Net prices should be quoted.
9. No sales tax form "C" or "D" etc. for concessional rates shall be provided by the Institute.
10. The quoted rates should be valid for at least **six months** from the date of opening.
11. Tenders without sample wherever required may not be accepted.
12. In case of imported equipment, commission allowed to agents must be specifically mentioned.
13. Free demonstration shall be done in the Institute premises if required.
14. Insurance shall be done by the suppliers at their own cost.
15. Tenders without mentioned earnest money deposit will not be entertained.
16. Standing of the firm and major supplies in recent past with proof must be attached.
17. In case of dealers, authorized distributors, dealer's certificate from OEM is required.
18. Document through bank and advance payment on proforma invoice may not be accepted.
19. The quantity mentioned in bill of quantity against each items will be treated as provisional and it may be changed depending on actual requirement.
20. Payment will be made only after successful installation and operation in the concerned department after verification from the departments.
21. If the supply is not made within prescribe period the firm shall be liable to pay a penalty equal to 0.10% of value of purchase order per day. However this can be waved off by the Director under special circumstances. If the firm fails to supply the equipments earnest money deposit will be forfeited.
22. Deduction of TDS as per Govt. Rules.
23. Tenders will be opened in the presence of those who choose to be present on the opening date and time.
24. Any dispute will be subjected to Sultanpur (UP) Jurisdiction only.
25. Conditional tenders will not be accepted.
26. The Director reserves the right to accept or reject any or all tenders without assigning any reason.

REGISTRAR

REC Ambedkar nagar

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for <i>Survey lab</i> of Civil Engineering Department
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

DEPARTMENT OF CIVIL ENGINEERING
Package –MKR/CE/01 -Survey Laboratory

Tender Cost: Rs. 200.00

EMD- Rs. 30000.00

Bill of Quantity for Survey and Geo-Informatics Lab

Sr. No.	Name of Article	Specifications	Qty.	Unit Cost	Total Cost	Remarks
1	Theodolite	1. 20 seconds least count 2. with Tubular Magnetic Compass 3. with Optical Plumbing Arrangement complete in Teak Wood box 4. Telescopic Stand of extruded aluminium section with water proof cover 5. complete with all accessories	5			
2	IOP Level	1. Size 228mm, 2. I.F.with tilting arrangement 3. drum graduated to read 1:5000 4. detachable compass to read 30 minutes 5. Made of Full Brass 6. Complete with accessories and adjusting tools packed in wooden box with open frame wooden tripod stand. 7. complete with all accessories	5			
3	Dumpy Level	Telescopic Length Size 12", Erect Image. Internal Focusing, Fitted with compass. Supplied along with all standard accessories and adjusting tools in a highly polished wooden box.	5			

		complete with all accessories				
4	Auto Level	<ol style="list-style-type: none"> 1. Image : erect 2. magnification $\geq 25 \times$ 3. aperture of objective $\geq 30 \text{ mm}$ 4. field of view : $1^{\circ}20$ to $1^{\circ}30$ 5. shortest focussing distance : maximum 1.5 m 6. max distance for mm : 100 m 7. resolving power : 1.5 mm @ 60 m 8. stadia multiplying constant : 100 9. stadia additive constant : 0 10. sensitivity of level plate : 20 sec / 2 mm run 11. tribarch circular bubble : 8 min / 2 mm run 12. compensation range : 12 to 16 seconds 13. compensation accuracy : 0.3 second 14. accuracy for levelling the line of sight : ± 0.8 second 15. levelling accuracy in 1 km of double levelling : $\pm 2 \text{ mm}$ in 1 km 16. tripod with clamping 1600 mm 17. complete with all accessories 	5			
5	Leveling Staff	<ol style="list-style-type: none"> 1. 4m telescopic, 2. made of Aluminium, 3. with water proof cover 4. complete with all accessories 	10			
6	Prismatic Compass	<ol style="list-style-type: none"> 1. Made of Brass, Size 100mm dia. 2. Fitted with quality agate stone. 3. Aluminum floating circle 4. graduated to read 30 minutes 	10			

		<p>(0.5 degree).</p> <ol style="list-style-type: none"> 5. Automatic lifter 6. Rreflecting mirror fitted on the sight vane. 7. Slow motion type Prism reader fitted with colored glasses green and red. 8. Packed in PVC case. 9. Supplied with Aluminum Tripod 10. complete with all accessories 				
7	Surveyor Compass	<ol style="list-style-type: none"> 1. Made of Brass, Size 100mm dia. 2. with metal circle graduated to full degree with two bubble and with bar needle fitted with real agate stone to give high accuracy precision bearing reading, 3. Supplied in PVC case. 4. Supplied with Aluminum Stand 5. complete with all accessories 	5			
8	Planimeter	<p>Sliding bar pattern for measuring areas from drawings and maps Complete in case with instructions</p>	1			
9	Cross staff	<p>Size 4", Open Type having four vanes at right angles, Complete in wooden box with metallic pole.</p>	10			
10	Optical Square	<p>Circular type, made of brass, fitted with double reflecting mirror right and left to 90 degree, complete in box.</p>	10			
11	Subtense Bar	<p>Complete set with all accessories</p>	1			
12	Plane Table complete set with alidade ,U-fork, Trough compass ,hand	<ol style="list-style-type: none"> 1.750mm X 600mm made of seasoned fire wood 2. fitted with brass screws and brass washers 3. provided with seasoned teak 	5			

	level etc.	wood battens and gun metal round plate 4. provided with metal head wooden stand and water proof cover 5. complete with all accessories				
13	Measuring chain	30 m	10			
14	Measuring Tape	30 m	10			
15	Ranging Rods	Aluminium 3 m (collapsible)	50			
16	Electronic theodolite	<p>1. Telescope</p> <p>Image Erect</p> <p>Magnification 30x</p> <p>Objective Aperture 45 mm</p> <p>Minimum focussing dist. 1.4m</p> <p>Stadia Ratio 100</p> <p>2. Angle Measurement</p> <p>Encoder System Absolute Encoding</p> <p>Display Resolution 1" or 5"</p> <p>3. Display</p> <p>Display side large character back light lit LCD 6 Nos touch button functions</p> <p>Angular Accuracy 2"</p> <p>Display Units DEG/</p>	2			

		MIL/ GON 4. Compensator Inclination Sensor Automatic Vertical Compensator Range +/- 3' 5. General Specifications Plummet Type Laser Plate Vial Accuracy 30"/2 mm Circular Vial Accuracy 8'/2 mm Operating Temperature - 20 ⁰ C to +50 ⁰ C Battery Backup 36 Hours complete with all accessories				
17	Micro optic theodolite	Erect Image Angle Measurement accuracy 1" Digital reading Complete with all accessories	1			
18	EDM	Range 500 m Accuracy ± 1.0 mm Units of Measurement metric and fps system Battery Life 15000 measures complete with all accessories	1			
19	Total station with Software	1. Telescope	1			

		<p>Image Erect</p> <p>Magnification 30x</p> <p>Objective Aperture 40 mm</p> <p>Minimum focussing dist. Less than 1.8m</p> <p>Field of View 1° 30'</p> <p>2. Angle Measurement</p> <p>Accuracy 1"</p> <p>Least Count 1"</p> <p>Angle Method Absolute Encoder</p> <p>3. Distance Measurement Range</p> <p>Range with Prism 5 km or better</p> <p>Range without Prism 500 m or better</p> <p>Accuracy with Prism 2 mm ±2 ppm XD</p> <p>Accuracy without Prism 4 mm ±2 ppm XD</p> <p>4. Compensator</p> <p>Dual Axis Compensator</p> <p>Compensator Range +/- 3' or better</p> <p>5. General Specifications</p> <p>Plummet Type Laser</p> <p>Internal Memory 16 GB</p> <p>External Memory 64 GB</p>				
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		<p>Battery Backup 36 Hours</p> <p>Operating Emperature -20⁰ C to +50⁰ C</p> <p>Humidity 95% non condensing</p> <p>Keyboard Colour touch screen on both sides with Alphanumeric keyboard</p> <p>Software Data downloading software with all the civil engineering capabilities (area calculation, volume calculation, contouring, level plotting, etc.) as basic features and also compatible with AUTO CAD</p> <p>Data Communication via Bluetooth, pen drive, USB data cable as standard features</p> <p>complete with all accessories</p>				
		Total				

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Geo-informatics lab of Civil Engg Department
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Department of Civil Engineering
Package –MKR/CE/02 –Geo-informatics Laboratory

Tender Cost: Rs. 200.00

EMD- Rs. 12100.00

Bill of Quantity for *Geo-informatics Lab*

Sr. No.	Name of Article	Specifications	Qty.	Unit Cost	Total Cost	Remarks
1	Mirror stereoscope with parallax bar	Most Improved quality, with coated lenses and Silver plated mirrors, light weight, precision built, which gives excellent results, very superior. Supplied in case. complete with all accessories	2			
2	Pocket stereoscope	fitted with Brass slides and superior lenses. Complete within canvas cover. complete with all accessories	5			
3	Satellite data(False color composite)	To be procured from NRSA Hyderabad of IRS group of satellites	2			
4	GPS(Hand held)	<ul style="list-style-type: none"> • Capable of showing instant longitude & latitude. 2 • Built in Barometric Altimeter & electronic compass • Battery operated : two AA size battery with 18 hours life typical. • Color display: 256 colour TFT: 2.2 X 1.6 inch (min) • Receiver Sensitivity: high • Accepts Micro SD card (• • min 2 GB included) 	1			

		<ul style="list-style-type: none"> • More than 100 plus user datums • G-Sensor, E-Compass • USB cable and software for USB & serial interface, computer cable(if any), user manual & other accessory. • carrying case • waterproof casing (IP X 7) • Warranty: min 1 year. • complete with all accessories 				
5	Computer with UPS	Core i5-3470S (2.9 G) Processor 4 GB DDR3 RAM /1 TB NVIDIA 1 GB Graphics Card	1			
6	Scanner with color printer	A1/A2 Size	1			
7	GIS software (single user)	MAP Info	1			
	Total					

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Environmental Engg. lab of Civil Engg Department
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
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Signature and Seal of Bidders

Department of Civil Engineering
Package –MKR/CE/03 –Environmental Engineering Laboratory

Tender Cost: Rs. 200.00

EMD- Rs. 18000.00

Bill of Quantity for Equipments of Environmental Engineering Laboratory:

Sr. No.	Name of Article	Specifications	Qty.	Unit Cost	Total Cost	Remarks
1	Turbidity meter	Accuracy: 0 - 10,00 NTU, $\pm 2\%$ of reading , Operating range: 0° - 50°C	1			
2	Colour Comparator	Color Comparator disc at cobalt scale as per IS specifications	1			
3	Conductivity Meter	As per relevant I.S. Specification	1			
4	Sound level meter	Range 40-140 dB, high and low measuring ranges Accuracy (+/-) 1.5 dB, fast response time, backlit display, complete with microphone, wind screen and battery etc.	1			
5	pH meter	pH meter with digital display, pH range 0 – 14, Resolution : 0.01 pH, Table model with Probe and Automatic Temp. Compensation	4			
6	Balance with Sensitivity 0.000gm	Electronic balance Sensitivity : 0.0001 gm and capacity 160 gm	1			
7	Distilled Water Plant	Complete assembly of borosil glass with embedded heating elements to work on 220/230 volts A.C. supply output capacity 3 Litres/Hr	1			

8	Biological microscope	Biological Microscope with Colony counter & photographic attachments as per IS specifications	1			
9	B.O.D. Incubator	B.O.D. Incubator double walled outer & Inner are made of S.S. with three shelves, temp. controlled by LCD graphic display Capacity 6.1 Cu. Ft.	1			
10	Hot Air Oven	Double walled, outer & inner wall made of S.S. > Gap between inner & outer chamber should be filled with high grade glass wool Thermostatically controlled Temp. Range 20° C to 250° C	1			
11	Kjeldhol Nitrogen Assembly	Unit should be made of borosil glass complete with all accessories as per IS specifications	1			
12	Flouride testing Kit	The test kit should be based on bleaching of Zirconium Xylenol Orange complex depending on flouride content in water. Range: 0.0 to 3.0 mg/l	1			
		Total				

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Environmental <i>lab</i> of Civil Engg Department
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
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Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Department of Civil Engineering
Package –MKR/CE/04 –Environmental Laboratory

Tender Cost: Rs. 200.00

EMD- Rs. 4560.00

Bill of Quantity for Glass Ware (All Glass ware should be of Borosil)

Sr. No.	Name of Article	Qty.	Unit Cost	Total Cost	Remarks
1	Beaker - 500ml	50			
2	Beaker - 200ml	50			
3	Burette – 50ml	50			
4	Burette Stand	50			
5	Funnel	20			
6	Pipette - 5ml	10			
7	Measuring Cylinder 250 ml	6			
8	Measuring Cylinder 1000 ml	10			
9	Conical Flask 500 ml	50			
10	Measuring Flask 500 ml	2			
11	Measuring Flask 1000 ml	6			
12	Watch Claris	10			
13	Spatula	10			
14	Tong	10			
15	Clay Tangle	10			
16	Spirit Lamp	50			
17	Burner stand	50			
18	Flap for Spirit Lamp	50			
19	Glass Rod	1m			
20	B.O.D. Bottle 300ml	50			

21	Silica Crucible	6			
		Total			

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Environmental Engg lab of Civil Engg Department
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Department of Civil Engineering
Package –MKR/CE/05 –Environmental Engg. Laboratory

Tender Cost: Rs. 200.00

EMD- Rs. 860.00

Bill of Quantity for Chemicals:

Sr. No.	Name of Article	Qty.	Unit Cost	Total Cost	Remarks
1	Hydrochloric Acid	2.5lt			
2	Sulphuric Acid H ₂ SO ₄	5lt			
3	Methyl Drawee Indicator	200ml			
4	Phenolphthalein Indicator	250ml			
5	Nessler's Reagent	250ml			
6	Chlorine Water	200ml			
7	Sodium HydroliteMaOH	500gm			
8	Silver Nitrate AgNO ₃	100gm			
9	Potassium Chromate H ₂ Co ₂ O ₄	500gm			
10	Erichrme Block – T	100gm			
11	Ammonium Chloride NH ₄ Cl	500gm			
12	Ammonia Liquid NH ₄ OH	25lt			
13	EDTA	200gm			
14	Magnesium Chloride MgCl ₂	500gm			
15	Calcium Chloride CaCl ₂	500gm			
16	Magnoussulphate MnSO ₄	500gm			
17	Potassium Thiasulphate	500gm			
18	Sodium Thiasulphate	500gm			
19	Starch	1kg			
20	Di Hydrogen Potassium Phosphate KH ₂ PO ₄	500gm			

21	Di-Potassium Hydrogen Phosphate K ₂ HPO ₄	500gm			
22	Di-Sodium Hydrogen Phosphate Na ₂ HPO ₄ ·7H ₂ O	500gm			
23	Magnesium Sulphate MgSO ₄ ·7H ₂ O	500gm			
24	Ferric Chloride FeCl ₃	500gm			
25	Potassium dichromate K ₂ Cr ₂ O ₇	500gm			
26	1:10 Phenanthreinsulphate	100gm			
27	Ferrous Sulphate	500gm			
28	Ferrous Ammonium Sulphate	500gm			
	Total				

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Concrete and Building Material Lab of Civil Engg Department
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Department of Civil Engineering
Package –MKR/CE/08 –Concrete /Building Material Laboratory

Tender Cost: Rs. 200.00

EMD- Rs. 198200.00

Concrete / Building Material Laboratory:

Sr. No	Name of Equipment	Specifications	Qty.	Unit Cost	Total Cost	Remarks
1	Aggregate crushing value app.	75 mm size as per IS: 2386 Part IV	02			
2	Aggregate crushing value app.	150 mm size as per IS: 2386 Part IV	02			
3	Sieve shaker (motorized)	Complete motorized set to shake the sieves of 30 cm size	02			
4	IS sieve set G.I frame 30 cm dia size 80, 63, 50, 40, 25, 20,16,12.5,10.8,6.3,4 .75 with lid receiver		1			
5	IS sieve set brass 20 cm dia		01			
6	Cube mould (Cast Iron)	7.06 mm (50 mm ²)	10			
7	Cube mould (Cast Iron)	150 mm size	10			
8	Compression testing machine	Cap.-2000 KN , motorized with three unit gauge	1			
9	Flexure testing machine	Complete set as per IS : 9399	1			
	Slump test app.	Complete set as	5			

		per IS : 7320				
10	Cylindrical mould 15 cm dia X 30 cm height	15 cm dia X 30 cm height	5			
11	Vic at needle app Complete set	Complete set with mould, plunger & needle as per IS: 5513	5			
	AIM shrinkage bar mould briquette		5			
12	Density basket	Standard size with bulk density measuring cylinder as per IS 2386 part III	2			
13	Le chattelier mould app.	Complete set to determine soundness of cement as per IS: 5514	5			
	Basin enamel - 25 cm dia	25 cm dia	10			
	30 cm dia	30 cm dia	10			
14	Vibration table machine	Complete set for compacting the concrete as per IS requirement	1			
	Needle vibrator	Complete set for vibrating the concrete as per IS requirement	1			
15	Compaction actor app.	Complete set to determine	1			

		workability of concrete as per IS: 5515				
16	Beam mould & tamping bar	Complete set for flexure testing machine as per IS requirement	2			
17	Analytical balance Digital top pan 200/0.001gms	Digital top pan 200/0.001gms	1			
18	Air permeability app	(Blain Type) complete set as per IS: 5516	2			
19	Humidity cabinet	Size 24" x 24" x 36"	1			
20	U.T.M complete	Capacity 100 tonne complete set as per IS requirement	1			
21	G.I tray	Size 63 cm x 75 cm	10			
22	Hot Air Oven	Size 600 x 600 x 600 mm with digital temperature & air circulating fan	2			
23	Sedimentation pipette & jar app.	As per IS requirement	2			
24	Electronic balance cap 20 kg /1gms	cap 20 kg /1gms	2			
25	Vernier calipers imported	Imported	1			
	Total					

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Machine shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

WORKSHOP**Package –MKR/Com/04 – Machine Shop****Tender Cost: Rs. 200.00****EMD- Rs. 15560.00****Bill of Quantity for Machine Shop:**

Sr. No.	Item Name	Specification	Qty.	Unit Cost	Total Cost	Remark
1	LATHE MACHINE • 3 Jaw Chuck • 4 Jaw Chuck • Steady Rest • Follow Rest • Face Plate • Coolant Pump • Work Light • Chang Gears • Dial Indicator • Dead Center and Center Sleeve • Splash Guard • Chip Pan • Toolbox with Tools	Max .swing die over bed 360mm Max .swing die over gap 508mm Max .swing die over carriage 215mm Bed width 186 Distance between centers 1500mm Main motor power 7.5KW	01			
2	Lathe Machine 5' 6" with 1 Hp motor, 3 jaw 200 Ø, 4 jaw 200 Ø chuck and electrical.	Height of centers 220mm Swing over bed 500mm Swing over cross slide 270mm Swing in gap 720 mm Distance between centers 1000mm Spindle power 11 KW Main motor power 7.5	01			
3	Cutting tools, drill bits 20 set, tap set die etc	0.5 inch square 4mm to 12mm 3/8inch				
4	Shearing m/c	3"ft	01			
5	Pedestal grinder	8" wheel	01			
6	Pillar electric drill m/c	12 mm capacity	01			
7	Power Hacksaw with auto stop , hydraulic type, ac motor 3 phase	Max. die 200mm Stroke Length 140mm Blade Size	01			

		400x32x1.6mm Power of main motor 0.75 KW 415V, 50 Hz 3 phase Power of coolant Motor 0.09 KW				
		Total				

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Welding shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Workshop
Package –MKR/Com/05 – Welding Shop Equipments

Tender Cost: Rs. 200.00

EMD- Rs. 860.00

Bill of Quantity for Welding Shop :

Sr. No.	Item Name	Specification	Qty.	Unit Cost	Total Cost	Remark
1	Electric Arc Welding machine set complete	5 H.P., 12 KVA 50 cycle 50 to 400 Amp.	01 Nos.			
2	Electrode holder	Std. size	02 Nos.			
4	Hand Welding screen	Std size	06 Nos.			
5	Chipping hammer	1/4 kg	06 Nos.			
6	Leather Apron	Std. size	06 Nos.			
7	Ball peen hammer	1 ½ lbs	02 Nos.			
8	Flat Tong	12"	06 Nos.			
9	Goggles for gas welding	Std size	06 Nos.			
10	Plier	8"	02 Nos.			
11	Screw Driver	12"	02 Nos.			
12	Working Table Metal	3' ×2 '× 3'	02 Nos.			
			Total			

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for fitting shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Workshop
Package –MKR/Com/06 – Fitting Shop Equipments

Tender Cost: Rs. 200.00

EMD: Rs. 1720.00

Bill of Quantity for Fitting Shop

Sr. No.	Item Name	Qty.	Unit Cost	Total Cost	Remark
1	Venire Caliper 0-200mm	01			
2	Letter Punch	01			
3	Steel Scale 6”	03			
4	Steel Scale 12”	03			
5	Chisel Cold 4”	02			
6	Centre Punch	06			
7	Try Square 4”	04			
8	Tap set 10 x 1.5”	01			
9	Divider 15 cm spring	06			
10	Inside Caliper 15cm	06			
11	Outside Caliper 15cm	06			
12	‘V’ Block with clamp 75x38mm	01			
13	Surface plate 18” x 24”	01			
14	Try square 6	03			
15	Combination Set 30cm	01			
16	Flat File (B) 12” J.K. MAKE	10			
17	Flat File (S) 12” J.K. MAKE	06			
18	Flat File (S) 12” J.K. MAKE	06			
19	Flat File (B) 12” J.K. MAKE	06			
20	Round File (B) 10” J.K. MAKE	03			
21	Round File (S) 10” J.K. MAKE	03			

22	Triangular File (S) 6" J.K. MAKE	03			
23	Triangular File (S) 8" J.K. MAKE	03			
24	Triangular File (B) 10" J.K. MAKE	03			
25	Triangular File (S) 10" J.K. MAKE	03			
26	Knife Edge File 10" J.K. MAKE	01			
27	Knife Edge File 8" J.K. MAKE	01			
28	Knife Edge File 6" J.K. MAKE	01			
29	Flat Chisel ½"	04			
30	Flat Chisel ¾"	04			
31	Diamond Point Chisel 6"	02			
32	Adjustable Hacksaw Frame	06			
33	Ball Peen Hammer 800 gm	06			
34	Cross Peen Hammer 800 gm	06			
35	* Straight Peen Hammer 800 gm	06			
36	Jenny Calliper	06			
37	Combination Pliar 15cm	01			
38	Screw Driver 8" Pye / Taparia Make	04			
39	Screw Driver 10" Pye / Taparia Make	04			
40	Screw Driver 12" Pye / Taparia Make	04			
41	Feeler Gauge	01			
42	* Out side Micrometer 50-75mm	01			
43	* Inside Micrometer 25mm to 50mm	01			
44	File Brush	06			
45	Hacksaw Blade	200			
46	File Handle (Wooden)	50			

47	Hammer Handle (Wooden)	50			
48	Adjustable Wrench 12"	01			
49	Scriber 6"	06			
50	Inch Type 3 Mtr. FREE MAN MAKE	01			
51	Ring Spannes Set 12 Pc (110 mm –32 mm)	12			
52	Number Punch Set3 mm	01			
53	Bench vice standard 6"	10			
		Total			

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Sheet metal shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
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PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Workshop

Package –MKR/Com/07 – Sheet Metal Shop Equipments

Tender Cost: Rs. 200.00

EMD: Rs. 760.00

Bill of Quantity for Sheet Metal Shop Equipments:

Sr. No.	Item Name	Qty.	Unit Cost	Total Cost	Remark
1	Shearing Machine 12”	01			
2	Mallet Square	10			
3	Trammel	01			
4	Hallow Punch Set	02			
5	Grooving Punch Set	02			
6	Solid Punch Set	02			
7	Hand Shear 18”	02			
8	Scriber 6”	06			
9	Chisel ½”	06			
10	Try Square 6”	03			
11	Anvil 25 kg with Stand	01			
12	Long Nose Pliar 6”	02			
13	Cutting Pliar 6”	02			
14	Square Hammer (Small)	03			
15	Square Hammer (Big)	03			
16	Stake –Round Nose	01			
17	Stake –Hatchet	01			
18	Stake-Beak- Horn	01			
19	Stake –Hand Dolly	01			
20	Wire Gauge	01			
		Total			

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Carpentary shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
Earnest Money Deposit	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Workshop
Package –MKR/Com/08 – Carpentry Shop Equipments

Tender Cost: Rs. 200.00

EMD: Rs. 1440.00

Bill of Quantity for Carpentry Shop Equipments:

Sr. No.	Item Name	Qty.	Unit Cost	Total Cost	Remark
1	Wood Working Vice	10			
2	Marking Gauge	03			
3	Mortise Gauge	03			
4	Steel Scale 12”	06			
5	‘C’ Clamp	01			
6	‘G’ Clamp	01			
7	Scriber 6”	06			
8	Bevel Square 6”	04			
9	Rip Saw 20”	10			
10	Cross cut saw 20”	06			
11	Panel Saw 10”	02			
12	Compass saw 12”	02			
13	Key hole saw 12”	02			
14	Tennon Saw 12”	05			
15	Dovetail Saw 12”	05			
16	Firmer Chisel ¼”	06			
17	Firmer Chisel ½”	06			
18	Firmer Chisel ¾”	06			
19	Firmer Chisel 1”	06			
20	Dovetail Chisel ¼”	06			
21	Dovetail Chisel ½”	06			

22	Dovetail Chisel ¾"	06			
23	Dovetail Chisel 1"	06			
24	Mortise Chisel ¼"	06			
25	Mortise Chisel ½"	06			
26	Mortise Chisel ¾"	06			
27	Mortise Chisel 1"	06			
28	Wooden Jack Plane	02			
29	Iron Jack Plane	02			
30	Counter Sink Bit ¼"	01			
31	Counter Sink Bit 3/16"	01			
32	Counter Sink Bit 3/8"	01			
33	Wooden Mallet	15			
34	Claw Hammer 200 gm	06			
35	Pincer 6"	06			
36	Rosp Cut File 12"	03			
37	Rosp Cut File 10"	03			
38	Oit Stainer	02			
39	Inch Tape 5 Mtr	02			
40	Divider 6"	04			
41	Screw Driver 8" Pye / Taparia Make	02			
42	Screw Driver 10" Pye / Taparia Make	02			
43	Screw Driver 12" Pye / Taparia Make	02			
44	Triangular File 6" (S) J.K. MAKE	10			
45	Shikanja (Bar Clamp) 5'	01			
46	Handle for Chiseal	50			

		Total			
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RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Blacksmithy shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
Cost of Tender Document	DD No: Amount: Bank: Date: Drawn on favour of Director Rajkiya Engg College payable at Ambedkar nagar (UP)
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PAN/TIN/TAN No	PAN: TIN: TAN: (Attach proof)
Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Workshop
Package –MKR/Com/09 – Black Smithy Shop Equipments

Tender Cost: Rs. 200.00

EMD: Rs. 1880.00

Bill of Quantity for Black Smithy Shop Equipments:

Sr. No.	Item Name	Qty.	Unit Cost	Total Cost	Remark
1	Blower 1HP	02			
2	Pipe Vice 4”	01			
3	Anvil Stand	01			
4	Swage Block 50Kg	01			
5	Swage Block Stand	01			
6	Beak Iron 25Kg	01			
7	Close Flat Tong 18”	06			
8	Flat Bar Tong 18”	06			
9	Pincer Tong 18”	06			
10	Belt Tong 18”	06			
11	Round Hallow Tong 18”	06			
12	Square Hollow Tong 18”	06			
13	Pick up Tong 18”	06			
14	Cold Chisel ¾”	03			
15	Cold Chisel 1”	03			
16	Hot Chisel ¾”	03			
17	Hot Chisel 1”	03			
18	Ball Pen Hammer 1.5Kg	04			
19	Straight Peen Hammer 1.5Kg	04			
20	Cross Peen Hammer 1.5Kg	04			
21	Sledge Hammer 5Kg (Double face)	01			

22	Sledge Hammer 3Kg (Straight)	01			
23	Round Swage Top & Bottom	01			
24	Flat Swage Top& Bottom	01			
25	Set Hammer 500gm	02			
26	Drift & Punch	02			
27	Punch Set	02			
28	Shawl	01			
29	Poker	02			
30	Steel Scale 12''	06			
31	Pipe Wrench 18''	01			
32	Hacksaw Frame	06			
33	Gloves	10			
34	Goggels	10			
		Total			

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for Foundry shop of Workshop
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
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Original Equipment Manufacturers /Authorization Letter from O.E.M.	Attach proof
Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Workshop
Package –MKR/Com/10 – Foundry Shop Equipments

Tender Cost: Rs. 200.00

EMD: Rs. 2000.00

Bill of Quantity for Foundry Shop Equipments:

Sr. No.	Item Name	Qty.	Unit Cost	Total Cost	Remark
1	Shovel	01 No			
2	Strike off bar	05 Nos.			
3	Hand riddle	05 Nos.			
4	Vent Wire	05 Nos.			
5	Trowals				
	Finishing	05 Nos.			
	Square	05 Nos.			
	Heart Shaped	05 Nos.			
6	Slicks				
	Heart & leaf	05 Nos.			
	Square & Heart	05 Nos.			
	Spoon & bead	05 Nos.			
	Heart & Spoon	05 Nos.			
	Leaf & Spoon	05 Nos.			
7	Liflers	05 Nos.			
8	Rammers:	05 Nos.			
	Floor	05 Nos.			
	Pein	05 Nos.			
	Hand	05 Nos.			
	Butt	05 Nos.			
9	Swabs	05 Nos.			

10	Spure pin	10 Nos.			
11	Draw Spike	10 Nos.			
12	Draw Screw	10 Nos.			
13	Rapping Plate	05 Nos.			
14	Smoothers & corner slicks				
	Inside Square	02 Nos.			
	Flat	02 Nos.			
	Pipe	02 Nos.			
	Button	02 Nos.			
	Half round corner	02 Nos.			
	Egg. shaped	02 Nos.			

RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122

TENDER DOCUMENT

Bidders Proforma

Tender	Purchase and Commissioning of Equipments for <i>Physics lab</i>
Name of the firm with full address and contact number	
FOR	RAJKIYA ENGINEERING COLLEGE, AMBEDKAR NAGAR UP INDIA 224122 (Located on Akbarpur-Tanda Road at 700 mt from collectrate Ambedkarnagar)
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Turnover in the last three years	Attach proof
Details of Similar Work Executed during last Three years	Attach proof

Signature and Seal of Bidders

Department of Applied Sciences

Package –MKR/Com/01 – Physics Lab

Tender Cost: Rs. 200.00

EMD- Rs. 20800.00

Bill of Quantity for Physics Lab:

Sr. No.	Item/ Set up for	Qty.	Unit Cost	Total Cost	Remarks
1.	Bi Prism Assembly for Interference Experiment with Sodium	2			
2.	Newton's Ring Experiment with Sodium Lamp	2			
3.	Nodal Slide Experiment complete	2			
4.	Grating Experiment, complete with mercury Ramp and spectrometer	2			
5.	Diffraction Experiment with bench , sodium lamp	2			
6.	Lasers He – Ne – 1 m W for above Experiment	2			
7.	Magnetic field on Axis of a coil, complete	2			
8.	Steffen's law by Electrical Method	2			
9.	Cary Footer Bridge Expt. Complete	2			
10.	B – H- Curve apparatus complete	2			
11.	Hall Effect Setup	2			
12.	Band Cap of Diode	2			
13.	Calibration of Voltmeter	2			
14.	Calibration of Ammeter	2			
15.	Conversion of Galvanometer Ammeter	2			
16.	Conversion of Galvanometer – Volt meter	2			
17.	Tables 4' X 6' X 2/1/2", sun mica Top	10			
18.	Chain	25			
19.	Spirometer	10			
20.	Ves-Callipers	10			
21.	Lens, Prisms, Gratings (Sparer), with etc.	50			
TOTAL					