

**झारखण्ड केन्द्रीय विश्वविद्यालय, राँची**  
**CENTRAL UNIVERSITY OF JHARKHAND, RANCHI**  
(संसदीय अधिनियम के तहत 2009 में स्थापित केन्द्रीय विश्वविद्यालय)  
(A Central University established by an Act of Parliament in 2009)

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**Ref no. CUJ/ P&S/IWEM/120/2013**

**Dated: 05-04-2013**

Sealed quotations are invited for the article enclosed in the separate sheet subject to the terms and conditions given below:

The quotation should be addressed to The Stores Officer Central University of Jharkhand, Ratu-Lohardaga Road, Brambe, Ranchi, 835205 and should reach on or before **30-04-2013**. Technical bid will be opened on the next working day i.e. **01-05-2013**.

**TERMS AND CONDITIONS**

1. Quotations without any erasures and overwriting must be submitted in sealed cover addressed to the Stores Officer, Central University of Jharkhand, Ratu- Lohardaga road, Brambe, Ranchi- 835 205 super- scribed Tender/ Enquiry No. and the due date failing which, quotation may be ignored. Tender/ quotation should be sent through Post/ Courier/ By Hand.
2. The rate quoted should be inclusive of all packing, forwarding, sales tax, freight and insurance charges and should remain valid for our acceptance for minimum period of Six (6) months from the due date of opening of the quotations. The quotation should be CUJ consignee's site basis i.e. Central University of Jharkhand, Ratu- Lohardaga Road, Brambe, Ranchi.
3. Manufacturer's name of company of origin of materials offered must be clearly specified. Complete details of illustrated literatures/ or drawings, in original (not photocopies), if any must accompany all quotations.
4. The University will not entertain requests for revision in prices once quoted for whatever reason after the tenders are opened during the period of contract.
5. All goods must be delivered at our university at Ratu- Lohardaga Road, Brambe, Ranchi for inspection by our inspecting authority.
6. Full payment will be made within 30 days of the receipt and acceptance after inspection of supplies at destination, quotations containing different payment terms are liable to be ignored.
7. All goods must be delivered at our university at Ratu- Lohardaga road, Brambe, Ranchi (Stores & Purchase Section) after confirmed order. The University will provide DSIR certificate, Educational certificate if necessary. The University will not be responsible for issuing any Road Permit.
8. Only Manufacturer/ Authorized distributor/ firms of repute dealing in the items listed in the quotation having experience in sale and repair/ maintenance may apply. In case of dealer, tender specific Authorization in original from the manufacturer should be attached with the Technical Bid.

9. Foreign Manufacturers should have their own office in India along with Technical Support/ Service Support for better after sales service.
10. Only latest models of items need to be quoted.
11. It should be mentioned specifically whether price quoted includes all taxes and duties. Sales tax and/ or other duties legally leviable and intended to be claimed should be distinctly shown in the tender.
12. VAT/CST Registration Number and its validity should be indicated. Documentary evidences be supplied/ attached to the tender documents.
13. All rates shall be indicated both in words and figures. Where there is difference between the rates quoted in words and figures, rate quoted in words will prevail.
14. The supplier shall make delivery of the items within the stipulated period from the placement of the purchase order. The purchase order would be placed after assessing the requirement and hence, actual quantity may increase/ decrease.
15. The Tender Document for items will be Two- Bid system consisting of Technical Bid and Price Bid. The Tender Document will be submitted item-wise in two separate sealed covers clearly mentioning on the envelope the details of items for which Bid is submitted.
16. The Bidder must enclose point wise compliance of the technical specifications of each item.
17. The price of Tender Document is Rs. 1000/- only (One Thousand rupees only) (non-refundable). The Tender Document price may be attached to the Technical Bid in the form of Bank Draft in favour of “Central University of Jharkhand” payable at Ranchi.
18. The Tender Documents comprising of Price- Bid, Technical Bid and **Earnest Money Deposit of Rs. 1,40,000.00only (RupeesOne Lakh Forty Thousandonly) (refundable)** in the form of Bank Draft in favour of “Central University of Jharkhand” payable at Ranchi kept in the separate envelope super- scribed with the name of the same. The Tender Document must be enclosed with Earnest Money Deposit otherwise the tender document will be rejected. All the documents must be enclosed in a bigger size envelope super- scribed with the tender number and item name.
19. Only those Manufacturers liable to participate having ISO 9001 and ISO 14001 certification.
20. All legal disputes shall be under the jurisdiction of Jharkhand High court, Ranchi.
21. The University reserves the right to accept or reject any Bid, without assigning any reason thereof. No correspondence in this regard will be entertained.
22. All the participating firms should attach supporting documents in favour of:
  - a) Have at least 5 years of experience in the field.
  - b) Have an annual turnover of at least Rs. 50 Lakh per annum for each of the last 3 years (i.e 2009-10, 2010-11 & 2011-12) (Agency should produce a certificate from their Audit Firm in respect of turnover for the mentioned period)
  - c) Be registered with Directorate of Industries or Small Scale Industries or any other appropriate authorities.
  - d) Have valid TIN Number for registration under VAT/CST

- e) Have PAN for Income Tax. Supporting documents for Income Tax return for the last Two years (i.e 2010-11, 2011-12).
- f) Documents as proof in respect of Technical bid along with supporting documents.
- g) Profile and Track Record of the agency. (3 years)
- h) Copy of signed Balance Sheets of last three years.
- i) Detailed terms & conditions regarding performance/ warranty/ bank guarantee/ Inspection/ LD/ penalty for delayed supplied will be elaborated in purchase order.
- j) For proprietary items/ single manufacturers or Government manufacturers, proper certification in original is to be attached along with the Technical Bid.

**Chairman**  
**(Academic Purchase)**

**For Specification refer next page:**

SI No.	Description of items	Quantity
1.	<b>Reflectorless Total Station with all accessories</b> <i>Distance range: 1000 m without prism, with single prism 6500m; Angle accuracy 2 sec (Least count 1 sec); Magnification 30X; Field of view 1°30"; Objective aperture 45mm; In built Laser plummet; Dual axis compensation; Keyboard &amp; Display on both faces; Internal memory of Minimum 10,000 points and external USB memory stick (minimum 04 GB); Data transfer through Bluetooth/USB; Data downloading software, cable, Rechargeable battery Li-ion -02, tripod, Prism, etc.</i>	01
2.	<b>Reflectorless Total Station with all accessories</b> <i>Distance range: 400m without prism, with one prism 5000m; Angle accuracy 5 sec (Least count 1 sec); Magnification 30X; Identical alphanumeric keyboard &amp; Display on both faces; Data downloading software, cable, Rechargeable battery Li-ion -02, tripod, Prism, etc.</i>	03
3.	<b>Electronic/Digital Theodolite with accessories</b> Image erect; Accuracy 2 sec; Magnification 30 X; Aperture 45 mm; Field of view 1°30"; Laser Plummet with 360 deg Rotation; Double Side Large character Backlit LCD display; plumb bob, Rechargeable battery pack with charger, Aluminium Tripod, rain cover, etc.	03
4.	<b>Direct reading Vernier transit theodolite</b> Least Count 20 second with stand, etc.	08
5.	<b>Dumpy Level 225mm with tripod</b>	08
6.	<b>Automatic Level with accessories:</b> 24X magnification, accuracy +/-2 mm per km double run, Diameter of circle 110mm, telescopic levelling staff, aluminium stand	03
7.	<b>Digital Auto Level with accessories:</b> 24X or better magnification; with 0.7 mm accuracy; Telescope aperture 40 mm; Electronic measurement 1.5m – 100m; Electronic measurement accuracy 1mm/KM or better; Angular measurement 360°; Distance minimum resolution 1mm; Height minimum resolution 0.1mm; Internal Memory minimum 1500 measurements; LCD display; Rechargeable Battery with battery charger; Staff- Dual face, bar coded (Aluminum staves ); Aluminum Tripod; carrying case, Vinyl cover and operation manual with Data downloading through CD/USB	02
8.	<b>Prismatic Compass</b> Size 150mm diameter with Tripod	08
9.	<b>Optical Square (Brass)</b> (in wooden box container)	08
10.	<b>Cross Vertical Staff</b> (Size 6") (Brass) in wooden box container	05
11.	<b>Ranging Rod</b> made of steel conduit pipe, 32mm dia; length 3m	20
12.	<b>Ranging Rod</b> made of steel conduit pipe; 32mm dia; Length 2m	20
13.	<b>Levelling Staff</b> (Aluminium, Telescopic) 5 m	05
14.	<b>Levelling Staff</b> (Aluminium, Telescopic) 4 m	08
15.	<b>Engineers Land Measuring Metric Chain</b> (30 m long fitted with handles and tallies)	08
16.	<b>Engineering Tape 30m</b> Metallic Tape, Fibre glass made (Freemans)	08
17.	<b>Base line measurement equipment</b> complete with all accessories (Invar tape, props, thermometer, plumb bob, weights and hanger, scale, etc.)	02 sets
18.	<b>Plane table with stand and Accessories</b> (600mm x 750mm x 21mm) with accessories (fitting accessories to fit with tripod stand, Trough compass, spirit level, Telescopic alidade, plumbing fork with plumb bob)	08 sets
19.	<b>A Refractor Telescope of the Royal Class 40x to 200x</b> (104mm Refractor Achromatic lens assembled in PVC tube, Two Eyepieces 25mm, & 10mm and a 2x Barlow lens, 90 degree Star diagonal, Carry Bag, Dust covers for main tube & eyepieces, Heavy duty Metal stand with Altazimuth mount, 7x25 Finder with Cross Hair, Gun sight Aiming rings mounted on the tube.	02

20.	<b>Binoculars</b> 16 x Magnification, Porro-prism, 3.5° Actual Field of View, 7 m Closest Focusing Distance:17.8 mm Eye Relief, 50 mm Objective Lens Diameter, Multi-coating	03
21.	<b>GPS Satellite receivers Hand Held</b> Code Post Processing Accuracy : 1-3 meter; Single frequency; GPS Receiver with integrated GPS Receiver, GPS Antenna, display and Memory in single casing; Microsoft Windows Mobile Version 6.1 Operating Software; Display should be touch screen; minimum 256 MB RAM; 12 channels receiver for tracking L1 code signals; Weight : Less than 0.4 kg including batteries; Display: QVGA TFT with Min 240x320 pixel colour graphical display with backlight, 65,000 colours and above; internal field replaceable rechargeable Li-Ion battery with at least 8 hours field operation capability along with the battery charger; Should have an integrated camera with autofocus and min resolution of 5 Megapixels; Should have integrated speaker and microphone for voice recording and playback; Units should be serviceable in India. With Professional software	04
22.	<b>Dual Frequency DGPS</b> GNSS Base receiver & Rover receiver, Capable of tracking GPS L1, L2, L2C, GLONASS L1 and L2; Accuracy (Post processing): Horizontal 10 cm; Vertical 10 cm; Windows Mobile 6.1 or higher Operating system; Minimum Internal memory of 256 MB RAM; USB connectivity for data transfer; Controller should be provided with 3.5" or better TFT LCD VGA Touch screen; Minimum 72 channels tracked; Should have an integrated camera with autofocus and min resolution of 5 Megapixels; GNSS base and battery kit; Working hours 08 hours or more; Rechargeable Li-ion battery; data storage options; GNSS post processing software	<b>01 set</b> (one base + one rover + one license for post processing software)
23.	<b>Digital single-lens reflex (DSLR) camera</b> No. of Pixel: minimum 24 MP Camera Type : Interchangeable lens digital camera with built-in flash Lens used: Sony A-mount lens, Minolta and Konica Minolta AF Recording media : Memory stick Pro Duo Zoom capability: $\geq 18x$ optical zoom Sensor: CMOS Shutter Type: Electronically controlled vertical-travel focal-plane shutter Dust & water resistant Video mode: Extra fine 13fps or higher Connection: USB2, ML-L3 Interface: Hi-Speed USB port With imaging stabilization, viewfinders, auto-focus, continuous shooting facility. Built-in Flash, LCD Monitor , Camera Cover Audio capability, Supplied with 8 GB memory card & two sets of rechargeable batteries.	01
24.	<b>Electronic Distance Measurement Instrument / Laser Distancemeter</b> Measuring range of 0.05 m up to 200 m; Accuracy $\pm 1.0$ mm / $\pm 0.04$ ; Digital Pointfinder with 4x or better zoom; Large colour display screen (2.4 inches); 360° tilt sensor for 360° Inclination measurement; Hand loop	02
25.	<b>Digital Planimeter</b> Roller type - with computing function display, liquid crystal - 8 digit figures, Accuracy +/-2% with AC adapter and case	03
26.	<b>Survey Software with Irrigation Canal Module</b> Inbuilt CAD editor supporting graphics like points, lines, polylines, circles, arcs, ellipses, spline, rectangles, text, block insertions, dimensions etc. <input type="checkbox"/> Generate the canal x-section with lining & pitching definition and service road with canal bank definition, substrata layer, spoil bank definition, catch drains, dowel banks etc., <input type="checkbox"/> Automatic contour with grid plan and spot level, 3D view, Road canal template definition, direct raw data import from digital level, total station <input type="checkbox"/> Graphical edit operation like Copy, Move, Rotate, Scale, Mirror, Explode, Erase, Trim, Extend, Join & Break, fillet, chamfer etc. with snap & grip edit option <input type="checkbox"/> Support for Linetype, Text style, Point Style, Dimension style, Multiline style, Layers, Line weight etc. <input type="checkbox"/> Direct option for download and interpretation of digital level data of various	01 License for 20 user

	<p>formats (RAW,SDR,CS1,CS2)</p> <ul style="list-style-type: none"><li><input type="checkbox"/> Manual entry option for Auto-level data</li><li><input type="checkbox"/> Automatic creation of level runs and support for multiple level runs.</li><li><input type="checkbox"/> Level run adjustment for closed and open loops with usage of sight-distance whenever available (digital levels)</li></ul> <p>Support unlimited DTMs, with soft &amp; hard break lines, internal and external boundaries</p>	
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