



# SAMRAT ASHOK TECHNOLOGICAL INSTITUTE

(Engineering College)

(Established in 1960)

VIDISHA (M.P.) - 464 001

सम्राट अशोक अभियांत्रिकीय संस्थान

(इन्जीनियरिंग महाविद्यालय)

(1960 में स्थापित)

विदिशा (म.प्र.) - 464 001

A grant-in-aid, autonomous Institution under the Govt. of M. P.

(Approved by All India Council for Technical Education and affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal)

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## INVITATION FOR QUOTATION

TEQIP-II/2016/MP1G02/Shopping/ 3669 /Q\_\_

01-Feb.-2016

To,

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Sub: Invitation for Quotations for supply of Goods**

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	Differential Global Positioning System (DGPS)	01	30	Samrat Ashok Technological Institute, Engg. College Vidisha (M.P.)464001	Yes.
2	DWG & Survey	01	30	Samrat Ashok	Yes.

	Software			Technological Institute,Engg. College Vidisha (M.P.)464001	
3	Laser Distance Meter	02	30	Samrat Ashok Technological Institute,Engg. College Vidisha (M.P.)464001	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 II** 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.
  - 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. **Quotation must be submitted in format given at the end of this letter.**
5. Relevant and valid product dealership certificate /marketing authorization letter from principals/OEM, if any, must be accompanied with the quotations.
6. Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.
7. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

7.1 are properly signed ; and

7.2 Confirm to the terms and conditions, and specifications.

8. The Quotations would be evaluated for all items together.

9. 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.

9.1 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.

9.2 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.

10. Payment shall be made in Indian Rupees as follows:

**Delivery and Installation - 100% of total cost**

**Satisfactory Acceptance Delivery and Installation - 0% of total cost**

11. All supplied items are under warranty of **12 months** from the date of successful acceptance of items.

**12. You are requested to provide your offer latest by 15:00 hours on 16-Feb.-2016.**

13. Please mention following at the sealed envelope containing the proposal:

**Package Name:** CE\_ Survey Lab\_2016

**Package Number** TEQIP-II /MP/MP1G02/335

**DO NOT OPEN BEFORE 15:00 Hrs of 16-Feb.-2016.**

14. Detailed specifications of the items are at Annexure I.

15. Training Clause (if any) **YES**

16. Testing/Installation Clause (if any) **YES**

17. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

18. Sealed quotation to be submitted/ delivered at the address mentioned below,

**Director**

**Office of the Director**

**Samrat Ashok Technological Institute (Engg. College), Civil Lines, Vidisha (M.P.) 464001 India**

19. We look forward to receiving your quotation and thank you for your interest in this project.

  
(Dr. J. S. Chauhan)  
Director  


Annexure I

Sr. no	Characteristics	Specification	Qty.
1	<b>GNSS Antenna</b>	Fully independent GNSS satellites tracking systems Bluetooth communication , Connectors I/O for external power supply , serial Connection, PC to USB port , TNC connector to GSM Antennas , Micro SD & SIM card slot ,Shock resistance of 2M drop <b>Indication on Antenna</b> Icons indicating the current status of measure modes, battery, Bluetooth, Storage Card etc. <b>Environmental Characteristics</b> Operating temperature: -40° to +65°C Protection class IP 67 Humidity 100% Memory 4GB Internal/ External	1
2	<b>Satellite Tracking</b>	Should be capable of tracking , GPS L1, L2, L2C SBAS EGNOS, WAAS, MSAS, GAGAN Glonass with L1,L2 & Galileo	
3	<b>No of channel</b>	Minimum 100 channel or more	
4	<b>Position out</b>	20Hz	
5	<b>Survey Mode</b>	Static, Kinematics, RTK	
6	<b>Accuracy</b>		
a	<b>Static Mode</b>	Horizontal 3mm+/-0.2ppm Vertical 3.5mm+/-0.4ppm	
b	<b>RTK</b>	Horizontal 10mm+/-1ppm Vertical 20mm+/-1ppm	
c	<b>DGPS Differential</b>	0.25m	
7	<b>RTK Range to GSM</b>	Upto 10-15KM	
8	<b>RTK initialization time</b>	RTK signal initialization typically less than 15 sec	
9	<b>RTK Format</b>	CMR, CMR+RTCM ver 2X, RTCM 3x, CMR etc	
10	<b>Power Supply</b>	Working hours 4hours in RTK operation Working Hours 8 in Static	
11	<b>Controller</b>	Controller should be provided 3.5" TFT LCD VGA with colored Touch Screen with alphanumeric hard keys Window 6.5 or higher Bluetooth, wireless connection 128MB ROM and 256MB RAM SDHC card slot (upto 16GB) 5M pixel Camera Compass Altimeter Internet Explorer, Microsoft Office Mobile ActiveSync and can Upload third party software <b>Environmental Characteristics</b> Operating temperature: -30° to +60°C Protection class :-IP67 Humidity :- 95%, non-condensing	

		<p><b>COGO</b> should support COGO functionality Should be able to key in line, poly line , Zoom in Zoom Out etc</p> <p><b>Feature coding</b> Should support feature coding with attributes Control coding should be possible for automatic plot Should be able to accept background map in CAD format</p> <p><b>Export/Import</b> Direct export and import data in excel, CAD, XML ,Shap file etc Power Supply Working Range 10 hours or more</p>	
12	<b>Data downloading Software</b>	<p><b>Coordinate Transformation</b> Software includes a range of tools for defining coordinate systems and to transform coordinates into a local system. Using geoidal model , GNSS measured ellipsoidal height can be converted to orthometric height</p> <p><b>GNSS Post processing</b> Raw data can be import all type of GNSS sensors The post processing module allows extended user control over the parameters used in the baseline computations, result reports provide detailed information about the processing procedure and accuracies obtained. L1/L2 Data processing for GPS with Gloanss, Adjustment 3D, Rinex Import/Export, datum and map protectd. Zone protect, baseline protected, Network Adjustment etc</p>	
13	<b>Accessories for Base &amp; rover of OEM only</b>	<p>Rechargeable Battery -4no Battery charger -2no SD Card of minimum 2GB-2no Tribrach,with adopter Optical Plummet – 2no Wooden Tripod-2no Data Downloading Cable-2no Contrller-1no Fiber carbon Pole 2.5M -1no Post processing Software License -1no External Power Cable Y Cable -2no</p>	
<b>2.0 SPECIFICATION FOR DWG &amp; Survey Software</b>			
1.	<b>DWG &amp; Survey Software</b>	<p>Should have its own Powerful CAD Platform for drawing. Data Import from Total Station, DGPS, Theodolites, Digital Level, raster Image. Automatic Generate Grid Plan base on user defined Axis &amp; Rotation, Contour Plan(Elevation Filter Option Available for Eliminating Erroneous Elevation during Contour Generation and Contour area report ) , Traverse Adjustment , UTM Conversion, etc Generate Cross &amp; L- Section with Multiple Templates in single route, Design Road Template, Drain, Retaining Wall, Ash Layer, Embankment Layer, PCC, Area /Volume etc. The software should have capability to import aerial and satellite images, as well as to approximate (non-survey grade) terrain models. From Google Earth.</p>	1

		5User License LAN edition	
<b>3.0 SPECIFICATION FOR LASER DISTANCE METER</b>			
1.	<b>Measuring accuracy up to 10 m</b>	Typically: $\pm 1.0$ mm*	2
2.	<b>Range (use target plate from about 80m)</b>	0.05 m to 100 m	
3.	<b>Smallest unit displayed</b>	0.1 mm	
4.	<b>Distance measurement</b>	Yes	
5	<b>Minimum/Maximum measurement, Continuous measurement</b>	Yes	
6	<b>Area/Volume calculation of room data</b>	Yes	
7	<b>Addition/subtraction</b>	Yes	
8	<b>Indirect measurement using Pythagoras</b>	Yes	
9	<b>Power Supply</b>	Type AA, 2 x 1.5V Battery	
10	<b>Operation</b>	-10°C up to + 50°C	

**FORMAT FOR QUOTATION SUBMISSION**

(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)
<b>Total Cost</b>							

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.



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: \_\_\_\_\_