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ରାଜସ୍ୱ ନିରୀକ୍ଷକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ, ବୋଦାପଲଶା, କେନ୍ଦୁଝର
REVENUE INSPECTOR TRAINING INSTITUTE, BODAPALSA,
KEONJHAR

No. 439 /RITIDated the 26th June, 2018

To

The Deputy Director,
Information and Public Relation Department,
Odisha, Bhubaneswar

Sub:- Publication of Tender Call Notice

Sir,

In enclosing herewith the Tender Call Notice for supply, installation and commissioning of GNSS System and Total Station in the Revenue Inspector Training Institute, Bodapalsa, Keonjhar. I am to request you to take necessary steps for publication of the Tender Call Notice in 02 (two) widely circulated Odia / and English Daily News Paper (12 cm x 6 cm size) published on 29.06.2018 .

Yours faithfully,


Collector, Keonjhar cum-Director,
Revenue Inspector Training Institute,
Bodapalasa, Keonjhar

Memo No. 440 /RITIDated the 26th June, 2018

Copy forwarded to DI&PRO, Keonjhar for information and necessary action. He is requested to ensure timely publication of the Tender Call Notice.

Copy forwarded to the DIO, NIC, Keonjhar for information and necessary action. He is requested to off-load the Tender Call Notice in the District website for information of general public.


Collector, Keonjhar cum-Director,
Revenue Inspector Training Institute,
Bodapalasa, Keonjhar

Memo No. 441 /RITIDated the 26th June, 2018

Copy forwarded to the Joint Secretary to Govt., Revenue & Disaster Management Department, Odisha, Bhubaneswar for information.


Collector, Keonjhar cum-Director,
Revenue Inspector Training Institute,
Bodapalasa, Keonjhar

Memo No. 442 /RITI Dated the 26th June, 2018
Copy forwarded to all Tahasildars /all Sub-Collectors of Keonjhar
District for publication in the Office Notice Board.
Copy to Notice Board.


26.6.18
Assistant Director,
RITI, Bodapalsa, Keonjhar



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ରାଜସ୍ୱ ନିରୀକ୍ଷକ ପ୍ରଶିକ୍ଷଣ ପ୍ରତିଷ୍ଠାନ, ବୋଦାପଲଶା,
କେନ୍ଦୁଝର

REVENUE INSPECTOR TRAINING INSTITUTE, BODAPALSA,
KEONJHAR

TENDER CALL NOTICE

No. 438 /RITI

Dated the 26th June, 2018

Sealed Tenders are invited from established and accredited Original Equipment Manufacturers (OEM) or the authorized dealers for supply, installation and commissioning of the following items at Revenue Inspector Training Institute, Bodapalasa, Keonjhar.

| Sl.No. | Items | Quantity |
|--------|---------------|--------------------------------|
| 01. | GNSS System | One Set (One base + one Rover) |
| 02. | Total Station | 01 (One no.) |

Date of issue of Tender Paper : Up-to 17.07.18, 05.00 P.M.

Pre-bid Conference : 20.07.2018, 04.00 P.M.

Last date of submission of Tender: 25.07.2018 at 05.00 P.M

Opening of Technical Bid : 31.07.2018 at 11.00 A.M

Date of Demonstation,

Technical Evaluation and

Opening of Financial Bid : 31.07.2018 at 03.00 P.M. onwards

The authority reserves the right to change the procurement programme without assigning any reason thereof.

For details, please visit <http://kendujhar.nic.in> for the tender papers.


Collector, Keonjhar-cum-Director,
Revenue Inspector Training Institute,
Bodapalasa, Keonjhar

TENDER NOTICE NO. 438

Sealed tenders are invited from established and accredited Original Equipment Manufacturers (OEM) or the authorized dealer such OEM for supply, installation and commissioning of the following items at Revenue Inspector Training Institute (RITI), Bodapalasa, Keonjhar.

| Sl. No. | Items | Quantity | Cost of Tender Paper | EMD (Earnest Money Deposit) |
|---------|---------------|--------------------------------|----------------------|-----------------------------|
| 01. | GNSS System | One Set (One Base + One Rover) | R.500/- | Rs.5000/- |
| 02. | Total Station | 01 (One no) | Rs.500/- | Rs.5000/- |

Non-transferable tender documents for supply of the items stated above will be available from Nizarat Section Collectorate, Keonjhar on payment of Rupees mentioned in the above table towards cost of tender document. The tender document cost, which is non-refundable, is payable in shape of Demand Draft drawn on any scheduled bank favouring Collector, Keonjhar. This tender notice can also be accessed through internet in the website <http://www.kendujhar.nic.in> and bid document can be downloaded. The downloaded bid document can also be used provide it is accompanied with a Demand Draft towards cost of tender document.

The tenderers are required to furnish self attested copies of GST registration certificate from the competent authority of the State of Odisha / other State as applicable along with the tender.

The tenderers are required to deposit the above stated amount as Earnest Money Deposit (EMD) in shape of Bank Draft drawn on any scheduled Bank in favour of Collector, Keonjhar for individual item. The EMD Bank Draft will be enclosed to the Technical Bid Document.

Performance Security shall be deducted from bills as per guidelines given in the tender documents.

The items conforming to required specifications are to be delivered to the consignee at Revenue Inspector Training Institute, Bodapalasa, Keonjhar and the tenderer has to quote the rates giving details of taxes, levies charges, premium etc. separately as stated in the document.

The tenders should be submitted after due compliance with guidelines given in the tender documents under Schedule-A conditions of contracts, Schedule-B- Technical Specification, Schedule-C – Delivery Destination, Schedule-D-Bid Form and Schedule-E- Price Schedule. Tenders submitted incomplete form shall be rejected outright.

The Tender should be submitted in such manner as prescribed in the Schedule –A of this document.

The Tender Papers will be available for sale in the Office of the District Magistrate & Collector, Keonjhar.

The authority reserves the right to cancel any or all tenders without assigning any reason thereof.


 Collector, Keonjhar cum-Director,
 Revenue Inspector Training Institute,
 Bodapalasa, Keonjhar

TENDER NOTICE NO. 438
Schedule-A (Condition of Contract)

1. The Tender papers include instructions issued in the Tender Notice along with the Schedule-A- conditions of contract ,Scheudle-B- Technical Specification , Schedule-C- Delivery Destination, Schedule-D –Bid Form and Schedule-E- Price Schedule.
2. The tenderers shall submit the following documents and information with the tender. Lack of complete and adequate information under any of the parameter may render the bid disqualified.

a. For Technical Bid

- (a) Copy of the Tender Notice.
- (b) Acceptance of Schedule-A & Schedule-B
- (c) Earnest Money Deposit for individual item.
- (d) Documentary evidence that the tenderer is the manufacturer or the authorized dealer of the item.
- (e) Attested copies of GST Registration Certificate from competent authority of the State of Odisha / or other State as applicable.
- (f) Turn over of the supplier should not be less than one Crores in the last 03 years.
- (g) Technical information and specifications prescribed by the manufacturer for the item.
- (h) Documents in support of suppliers of DGPS made during last 05years to different Govt. and Public Sector undertaking.
- (i) The firm should submit an undertaking for providing service/ maintenance during the warranty period effective from the date of commissioning with the terms and conditions as well as for taking Annual Maintenance Contact (AMC) after the warranty period.
- (j) Cost of Tender document (in shape of Bank Draft) if downloaded from the website and used.
- (k) Bank Draft drawn in favour of Collector, Keonjhar towards EMD
- (l) Service facility with details inside Odisha and Outside.
- (m) All the above documents should be properly tagged with indexing of the pages, otherwise the documents will be cancelled.
- (n) Undertaking to the effect that service to be provided by the vendor within 72 hours of complain lodging by the user Agency.

(b) For price bid

- Acceptance of Schedule –C- Delivery Destination
- Filled up Schedule –D- Bid form
- Earnest Money Deposit.
- Filled up Schedule-E- Price Schedule
- Extended warrantee for 04 years in the Schedule-E

3. The quoted rates shall be for destination mentioned in the Schedule –C- Delivery Destination, inclusive of all taxes, duties, levies,

charges, transportation cost and transit insurance cost. The item should be shown separately along with the basic rate. Prices written in words shall be accepted in case of any discrepancy. Rates with conditionality or provision of escalation will be rejected.

4. The prospective bidders have to submit an undertaking regarding non-selling of the items with this specification mentioned in this tender in lower price than the quoted price offered in this tender during last 03 years.
5. Validity of the period of the tender shall be 60 days from the date of opening of the price bid.
6. Items as required by Director, RITI, Bodapalasa, Keonjhar may be purchased from the successful vender as may be decided on a package deal. The quantity may vary depending upon the requirement of the authority.
7. The tenderers can quote for a single item or multiple items. The EMD (Earnest Money Deposit) to be submitted as per the above stated amount in the tender notice with the technical bid in shape of Bank Draft drawn in favour of Collector, Keonjhar on any nationalized bank.
8. The items are to be delivered in good condition at RITI, Bodapalasa, Keonjhar as mentioned in Schedule-C for delivery destination.
9. The H/W & S/W should be new and unused. The items shall be of reputed OEM and should also confirm to latest models, designs and standards i.e. as per Schedule-B. Director, RITI, Bodapalasa, Keonjhar reserves the right to purchase whole or part of the items as required.
10. If any items fails to satisfy requirement of the standards, the item shall not be accepted and the tenderer at is own cost shall remove it from point of delivery.
11. Items are to be delivered within 30 days of issue of purchase order.
12. The tenderer shall give a minimum guarantee period of 03 years from the date of commissioning of the items at destination and an extended period of warranty for another 04 years. This shall not be relieve the tenderer from liabilities arising out of normal guarantees available with the product.
13. The tenderer has to rectify defects in the items supplied within 07days of issue of intimation during the warranty period, failing which an amount of one percent of performance security will be forfeited per day of delay.
14. If the tenderer fails to supply the items within prescribed time period, it shall be treated as breach of contract and the EMD will be forfeited and supply order will be cancelled for which the tenderer shall remain fully responsible without any liability of Director, RITI, Bodapalasa, Keonjhar.
 - (a) If items are not supplied in time, Director, RITI, Bodapalasa, Keonjhar may consider receiging the items by imposing liquidated damage of 0.50(zero point five) percent of cost per week of delay subject to maximum penalty of 5% of the value of each item inclusive of all taxes, duties, levies and charges. Part of the week shall be reckoned as one week.

15. Tenders are to be submitted in double cover system. The 1st sealed envelope shall contain the Technical bid and the 2nd sealed envelope shall contain the price bid. Both the 1st and 2nd sealed envelopes are then to be put inside a 3rd envelope duly marked the name of item . From and to address shall be written on each of the envelopes.
16. Submission of sealed tenders may be Registered Post, Speed Post or Courier Service. The authority shall not be responsible for postal delay or courier delays or missing of the documents during transit. The tenders reaching late (as per time mentioned in the Tender Notice) shall not be considered by the Authority.
17. Conditional Tenders shall be rejected.
18. Terms of payment: Payment to the successful tenderer shall be made only after the items are received in good and serviceable condition as per conditions stipulated in the tender documents along with required documents submitted to the Director, RITI, Bodapalasa, Keonjhar in support of bills. 90% of the bill will be released after successful commissioning and operational of the system and 10% of the bill amount shall be retained towards "Performance Security". This amount can be released on production of Bank Guarantee for equal amount issued by any Scheduled Bank at Keonjhar, which will remain valid till three months beyond the Guarantee period.
19. The tenderer shall not raise any claim in any manner after the bill amounts are cleared against the purchase order.
20. In case of any dispute between the tenderers and Purchase Committee Members regarding interpretation of tender document conditions, the decision of Collector, Keonjhar is final.
21. Jurisdiction of Court- Civil suits, if any, arising out of the contract shall have to be filed at Keonjhar District. Writ petitions, Civil and Criminal Cases, shall be filed in the High Court o Odisha, Cuttack.

Accepted the above conditions under Schedule-A of the tender.

(Signature of the Tenderer)

Name :-

Address:-

SCHEDULE-B
TECHNICAL SPECIFICATION FOR DGNSS FOR STATIC AND KINEMATIC SURVEY

Specification for Base Station – 1 no
 Integrated Bluetooth enabled GNSS Base and Rover receiver
 with receiver and Antenna in single housing.

| Characteristics | Specification |
|---|--|
| Measurements | |
| Satellite Tracking | Should be capable of tracking –GPS:L1C/A, L1C, L2C -GLONASS:L1C/A, L1P,L2C/A,L2P -SBAS:L1C/A BeiDou(COMPASS):B1,B2 |
| No. of Channel | Minimum 220 Channels GAGAN capable |
| Measuring modes | Static, Fast Static, Real time kinematic |
| Measurement Technology | High precision multiple co-relator for GNSS measurements for low noise, low multi- path error |
| Remote configuration | The GNSS system should be able to be configured remotely |
| Accuracy | |
| High precision static | |
| Horizontal | 3mm + 0.1 ppm |
| Vertical | 3.5mm + 0.4 ppm |
| Real Time Kinematic | |
| Horizontal | 8 mm + 1 ppm |
| Vertical | 15mm + 1 ppm |
| GNSS Antenna | Multi frequency, High gain integrated antenna with Sub-mm phase centre repeatability |
| General Specification | |
| Blue tooth | Integrated Blue Tooth to communicate between GNSS and Controller |
| No. of port | 1 nos. of RS 232 ports, 1 no. of power/Data and other port dedicated to data communication (USB or better) |
| Power port | 1 no power port with input voltage of 12V DC external power input with over voltage / polarity protection |
| Power consumption | Power consumption for satellite receiver and antenna including internal radio should be less than 4W in RTK mode |
| Internal Batteries | Both the GNSS receiver as well as Controller should be operable with internal batteries long enough to last at least 10 hours of field operation |
| Operating Temperature for all major RTK component | -30 ⁰ C + 60 ⁰ C |
| Storage temperature for all major RTK component | -30 ⁰ C + 60 ⁰ C |
| Humidity | 95% Condensing |
| Drops | Withstands pole drop onto concrete up-to 2m |
| Initialization reliability | Better than 99.99% |
| Initialization time | Typically less than 8 seconds |
| Position update rate | 10Hz |

| | |
|-----------------------------------|---|
| RTK data formats for transmission | RTCM 3.0, CMR+ |
| Memory | Memory of 50MB though internal memory |
| Charges | External charges one for each battery should be supplied |
| Controller specification | |
| Operating system | Windows mobile 6.5 operating system |
| Display | Color, Day light-readable touch screen with back light |
| Keyboard | Full Alphanumeric hard QWERTY Keyboard |
| | Controller should have inbuilt GPS and compass |
| | Controller should have inbuilt camera with flash |
| | Controller should have inbuilt SIM card facility for GPRS RTK |

Specification for Rover Receiver- 1 no

| CHARACTERISTICS | SPECIFICATION |
|---|--|
| Measurements Specification | |
| Satellite Tracking | Should be capable of tracking L1, L2 frequencies on GPS, GLONASS, Beidou, Galileo and QZSS and support SBAS signal Gagan |
| Satellite Differential corrections | Should support L band Satellite differential correction |
| Channels | 220 or more |
| Measuring Mode | Static, Real-time Kinematic, Satellite Differential corrections |
| GNSS Measurements | Very low noise GNSS carrier phase measurements with < 1mm precision in a 1Hz bandwidth |
| Accuracy | |
| Real time Kinematic | |
| Horizontal | 10mm + 1 ppm |
| Vertical | 20mm + 1 ppm |
| Satellite Differential (L band) | |
| Horizontal | 4 cm |
| Vertical | 10 cm |
| Satellite Antenna | |
| | Integrated Satellite antenna in single housing with internal battery and memory for logging |
| Power | |
| | Internal battery for min 5 hrs of operation. Two internal batteries must be supplied. |
| Communication | |
| | Inbuilt USB port, inbuilt WiFi, Web browser excess to receiver configuration, NTRIP, TCP/IP, Google earth support in web browser configuration |
| Operating temperature for all major RTK component | -30 ⁰ C + 60 ⁰ C |
| Storage temperature for all major RTK component | -30 ⁰ C + 60 ⁰ C |
| Humidity | 95% condensing |

| | |
|----------------------|--|
| Drops | Withstand 2mm pole drop onto concrete |
| Position update rate | 5Hz or better |
| Chargers | External charger should be supplied for internal battery |

Controller on board software

| CHARACTERISTICS | SPECIFICATION |
|--|---|
| Survey style configuration | The software should allow configurable survey style for RTK, PPK, Static/Fast Static etc. |
| Multi tasking | The software should be capable of multitasking so that multiple operations can be opened at a time e.g. COGO, Stake out, Point Manager etc. |
| Co-ordinate Systems Manager | Should have datum and projection support . Should support Ground and Grid coordinates |
| Color Graphical support | The software should have color graphical support to visualize work while working |
| Feature coding | Should support feature coding with attributes for GIS data collection. Control Coding should be possible for automatic plot creation |
| COGO | Should support COGO functionality. Should be able to key in lines, sub-divide lines and creating parallel lines for staking out purpose. |
| Menu Driven | Should be user friendly and Menu Driven for easy field operation |
| Data Storage | Should be able to store GNSS data collected by the RTK system |
| Transfer data between field and office | Should be able to email data collected in the field in case facility is available .Should be able to import and export DXF and shape files for effective GIS support. |
| Stakeout | Should support graphical stake out, not only for points but lines and DTM as well. Should be able to perform Real Time Quality Control for stake out positions |
| Background Map | Should be able to accept background maps. |
| Post Processing Software | The software should be able to process GPS, GLONASS, GLOBEIDOU and GOLILEO data together and separately as well. |
| | Single point processing with one hour of static data with <2cm absolute accuracy. |
| | Module to combine GNSS data with TS and Digital Level |
| | Background maps in geo-referenced formats. |
| | CAD functionality like ARC,Lines, Layers, Automatic conversion from CAD PDF to CAD Files |
| | Countering export to CAD formats, should be able to produce topographic maps, feature coding |

Total Station Specification

| Sl.No. | SPECIFICATION | |
|--------|------------------------------------|--|
| 01. | ANGLE MEASUREMENT | |
| a. | Angular Accuracy | 5 sec |
| b. | Distance Measurement | |
| c. | Reflector less mode | 1m to 400m |
| d. | With single prism | 3000m and r more |
| 02. | ACCURACY | |
| a. | Prism | $\pm(2\text{mm} + 2\text{ppm})$ |
| b. | Reflector less/ Reflector sheet | $\pm(3\text{mm} + 2\text{ppm})$ |
| 3. | TELESCOPE | |
| a. | Image | Erect |
| b. | Magnification | 30 X or more |
| c. | EDM Diameter | 50 mm |
| d. | Field of view | 1°30' |
| e. | Compensating range | 3" |
| f. | Minimum focusing distance | 1.0 to 2.0m |
| g. | Laser Pointer | Coaxial Red Light |
| 4. | TILT Sensor | |
| a. | Compensation range | 3' and better |
| 5. | Communication | |
| a. | Port | 1xserial (RS-232C) Mini -USB |
| 6. | Battery | |
| a. | Type | Li-ion battery |
| b. | Operating Time | 6 hours or more |
| 7. | Level Sensitivity | |
| a. | Sensitivity of plate level vial | Better than 30"/2mm |
| b. | Sensitivity of circular level vial | Better than 8' /2mm |
| c. | Plummet | Optical |
| d. | Display | Both side, backlit, graphic, LCD (128 x 64 pixel) |
| e. | Point memory | 10000 records or more |
| 8. | Communication | |
| a. | Communication port | 1x serial |
| b. | Data Interface | SD Card, Mini USB |
| 9. | Environmental | |
| a. | Temperature | Up-to +50° C |
| b. | Dust & Water protection | IP-55 or more |

SCHEDULE –C
DELIVERY DESTINATION

| Sl.No. | Item | Delivery Destination/ Consignee |
|--------|-------------------------|---------------------------------|
| 01. | Supply of GNSS System | RITI, Bodapalsa, Keonjhar |
| 02. | Supply of Total Station | RITI, Bodapalsa, Keonjhar |

Accepted the above mentioned conditions under Schedule-C of the tender for our item of supply.

Signature of the Tenderer

Name

Address

SCHEDULE-D
Bid Form

To

Sir,

I/We have gone through the Tender Notice relating to supply, installation and commissioning of GNSS System at RITI, Bodapalasa, Keonjhar and the Schedule-A, B, C, D, E of tender document.

A sum of Rs. _____ (Rupees _____) only is hereby tendered in shape of _____ duly pledged as Earnest Money Deposit (EMD) towards tendered value. I/We also agree that an amount of ten percent shall be deducted from my bill towards performance security.

I/We agree the _____ shall be at liberty to forfeit the EMD and performance security as per conditions of the contract in case of defaults on my/our part in fulfilling contractual obligations.

I/We have through all the terms and conditions stated in the tender documents and agree to all the terms and conditions.

Signature of the Tenderer

Date:-

Name

Address

SCHEDULE-E

Price Schedule for Tender for GNSS System, Total Station

(Continuation sheet may be used if required and each page to be signed)

| Item Description | Base Price per unit (in Rs.) | Details of tax components | | | Total price in Rs. (Mention in figures and words) | Price for extended warranty period for 04 years (per unit) | Remarks |
|------------------|------------------------------|--|---|-------------|---|--|---------|
| | | Taxes (Mention each tax separately) in Rs. | Other charges (Mention each separately) in Rs.) | Total (3+4) | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| GNSS System | | | | | | | |
| Total Station | | | | | | | |

- Specify tax component included in unit price
- Mention installation and commissioning charge, if any.

Signature of the Tenderer

Name

Address

BIDDER INFORMATION FORM

The bidder shall fill in this form in accordance with the instructions indicated below. No alternations to its format shall be permitted and no substitution shall be accepted.

Date:- Insert date (as day, month and year) of Bid submission.

1. Bidder's Legal Name (insert Bidder's Legal Name)
2. In case of JV, legal name of each party: (insert legal name of each party in JV)
3. Bidder's actual or intended country of registration (Insert actual or intended country of registration)
4. Bidder's year of Registration (Insert Bidder's year of registration)
Please attach Pan, Service Tax Registration , VAT Clearance Certificate, GST Registration Certificate
5. Bidder's Legal Address in Country of Registration (Insert Bidder's Legal address in country registration)
6. Bidder's Authorization Representative Information
Name (Insert Authorize representative's name)
Address (Insert Authorize Representative's Address)
Telephone/Fax Numbers (Insert Authorized Representatives Telephone No/ Fax number)
E-MAIL Address (insert Authorized Representative's e-mail address)
7. Attached are copies of the original documents of (check the box(es) of the attached original documents.
 - ❖ Articles of incorporation of Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 & 4.2
 - ❖ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB Sub-Clause 4.1
 - ❖ In case of Government owned entity from the Purchaser's Country , documents establishing legal and financial autonomy and compliance with commercial law , in accordance with ITB Sub-Clause 4.5.

MANUFACTURER'S AUTHORIZATION

(The bidder shall require the manufacturer to fill in this form in accordance with the instruction indicated. This letter of authorization should be on the letter head of the manufacturer and should be signed by a person with proper authority to sign documents that are binding on the manufacturer. The tenderer shall include it in its bid, if so indicated in the BDs)

Date: {Insert date (as day, month and year) of bid submission}

To

(Insert complete name of Purchaser)

WHEREAS

We (Insert complete name of the manufacturer) who are official manufacturer of { insert type of goods manufactured } having factories at [insert full address of the manufacturer's factories] ; do hereby authorize [insert complete name of the bidder] to submit a bid ,the purpose of which is to provide the following goods, manufactured by us [insert name and or brief description of the goods] , and to subsequently negotiate and nto sign the contract. We hereby extend our full guarantee and warranty in accordance with Clause.11 of the General Conditions of Contract with respect to the goods offered by the above firm.

Signed [insert signature(s) of authorized representative(s) of the manufacturer]

Name :[Insert complete name(s) of authorized representatives of the manufacturer]

Title [Insert Title)

Duly authorized to sign this Authorization on behalf of : [Insert complete name of the Bidder)

Date on.....Day of.....(insert)