

Revised Bid Document Dated 04/12/2017.



GUJARAT INFORMATICS LIMITED

Block No.: 1, 8th Floor, Udyog Bhavan,
Sector 11, Gandhinagar - 382 010
Phone No.: 079 - 23256022, Fax No.: 079 - 23238925

**Bid for Purchase of Differential Global Positioning
System (DGPS) on behalf of Gujarat State Lion
Conservation Society, Junagadh.
Tender No. HWT031017464**

Pre bid Meeting : 10.10.2017 at 1500 hours (Concluded)

Last Date of Submission of Bid : 18.12.2017 till 1500 hours

Last Date of Submission of Bid Processing Fees & EMD: 18.12.2017 till 1500 hours

Date of Opening of Bid : 18.12.2017 at 1700 hours

Bid Processing Fee: Rs. 5900/- (Including G.S.T.)

Gujarat Informatics Limited (hereinafter referred to as “GIL”), on behalf of Gujarat State Lion Conservation Society, Junagadh (hereinafter referred to as “PURCHASER”) intend to invite offers through e-Tendering route for Purchase of DGPS on behalf of Gujarat State Lion Conservation Society, Junagadh (Tender no. HWT031017464).

Eligibility Criteria for the bidder:

- 1 The bidder should have a total sum of turnover of Rs. 3 Crore (Minimum) in the last three financial years. The copies of Audited Annual Accounts / Balance Sheet along with Profit & Loss Account for last three years shall be attached along with the bid. **(Form no. E-1)**
- 2
 - a) The bidder must have one office in Gujarat. Please attach the copies of any of the following: Property Tax Bill of last year / Electricity Bills of last one year / Telephone Bills of last one year / VAT Registration / CST Registration/GST (provisional) Registration / Valid Lease Agreement. **(Form no. E-2). In case, bidder does not have office in Gujarat, bidder should give undertaking to open office in Gujarat within 45 days from the date of purchase order.**
 - b) Bidder must ensure that the warranty support & service should be available up to delivery locations to provide repairing cum replacement services of faulty equipments within 48 hrs. Bidder is required to provide the name & address & contact details of the firm for providing warranty support & repairing cum replacement service up to delivery locations. **(Form no. E-3)**
- 3 The bidder must be **Authorized Dealer/ Distributor/ Re-seller** or should be **authorized by its OEM** to quote this bid. **(Form no. E4)**

Note:

Bidders who wish to participate in this bid will have to register on <https://gil.nprocure.com>. Further bidders who wish to participate in online bids will have to procure Digital Certificate as per Information Technology Act 2000 using which they can sign their electronic bids. Bidders can procure the same from (n) code solutions – a division of GNFC Ltd., or any other agency licensed by Controller of Certifying Authority, Govt. of India. Bidders who already have a valid Digital Certificate need not procure a new Digital Certificate.

The Terms and Conditions are as follows:

- 1 The last date of submission of bid on the website <https://gil.nprocure.com> is **18.12.2017** till 1500 hours. **No physical bids will be accepted under normal circumstances.** However, GIL reserves the right to ask the bidders to submit the bid and/or any other documents in physical form.
- 2 The bid is non-transferable.
- 3 The Bidder may quote only one option (i.e. only one product can be quoted) against each item. Bidders are required to mention make & Model of the product.
- 4 The bidder will have to supply, install/demonstration, maintain, and provide operational training and commissioning of DGPS.
- 5 In case the quoted Item is not available in the market, the bidder will have to supply Higher Version/replacement of that Item in the quoted cost in the same time duration with prior approval of GIL. No "End of Life" product should be quoted to minimize such instances till the bid validity (Make & Model quoted by the bidder should be available till the bid validity, duly supported for spares / OEM support for warranty period).
- 6 The Bidder shall bear all the costs associated with the preparation and submission of its bid, and GIL in no case will be responsible or liable for these costs, regardless of conduct or outcome of bidding process.
- 7 The bidder has to submit the compliance letter on its letterhead duly signed by the authorized signatory & other supporting documents as asked for in the bid. Failing to submit the same or non-compliance/deviation from any bid terms and conditions, eligibility criteria or technical specifications may result in rejection of the bid.
- 8 The Bidder has to examine all instructions, forms, terms, conditions and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in rejection of its bid.
- 9 Amendment of Bidding Documents (Corrigendum)
 - 9.1 At any time prior to the deadline for submission of bids, GIL may, for any reason, whether its own initiative or in response to the clarification request by a prospective bidder, modify the bidding documents.
 - 9.2 The corrigendum will be published on website www.gil.gujarat.gov.in & <https://gil.nprocure.com>.
 - 9.3 In order to allow prospective bidders reasonable time to take into consideration the amendments while preparing their bids GIL, at its discretion, may extend the deadline for the submission of bids.
- 10 Bid Currency – Prices shall be quoted in Indian Rupees only.
- 11 The Bidder will have to remit **Nonrefundable Bid Processing Fees of Rs. 5900/- ,(Including G.S.T.) & refundable Earnest Money Deposit (E.M.D.) of Rs. 1,35,000/-** on or before the date & hours of submission of bid (i.e. **18.12.2017 up to 1500 Hrs**) in a sealed cover at GIL office with the heading "Bid Processing fees & EMD for the e-Tender No. HWT031017464 for Bid for Purchase of DGPS on behalf of Gujarat State Lion Conservation Society, Junagadh."
 - 11.1 Bid Processing fees and E.M.D. must be in the form of Demand Draft in the name of "Gujarat Informatics Ltd." payable at Gandhinagar along with the covering letter.

EMD shall be submitted in the form of Demand Draft OR in the form of an unconditional Bank Guarantee (which should be valid for 6 months from the last date of bid submission) All Nationalized Bank including the

public sector bank or Private Sector Banks or banks (operating in India having branch at Ahmedabad/Gandhinagar) as per the G.R. no. EMD/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time; in the name of "Gujarat Informatics Ltd." payable at Gandhinagar (in the format specified in Annexure A) and must be submitted along with the covering letter.

11.2 Please affix the stamp of your company on the overleaf of demand draft.

11.3 Failing to submit physical covers of EMD and bid processing fees at GIL on or before

18.12.2017 up to 1500 Hrs may lead to the rejection of the bid.

12 In case of non-receipt of Bid Processing fees and EMD as mentioned above within prescribed time the bid will be rejected by GIL as non-responsive.

13 Unsuccessful/disqualified bidder's E.M.D. will be returned as promptly as possible after the expiration of the period of bid validity OR upon the successful Bidder signing the Contract, and furnishing the Performance Bank Guarantee @ 10% of the total order value as prescribed by GIL, whichever is earlier.

14 In exceptional circumstances, GIL may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A Bidder may refuse the request without forfeiting its E.M.D. A Bidder granting the request will not be permitted to modify its bid.

15 The Successful bidder has to submit Performance Bank Guarantee @ 10% of total contract value within 15 days the date of issue of Purchase order/work order for the duration of contract period + extra 3 months of any Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative Banks and Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time. (The draft of Performance Bank Guarantee is attached herewith). No interest shall be payable on the BG amount. The purchaser may invoke the above bank guarantee for any kind of recoveries, in case, the recoveries from the bidder exceed the amount payable to the bidder.

16 Successful bidders will have to sign the contract upon receiving the Purchase order with the purchaser(s) within 15 working days from the date of Purchase order. (The draft of the Contract form is attached herewith)

17 The successful Bidder's E.M.D. will be returned upon the Bidder signing the Contract, and furnishing the Performance Bank Guarantee @ 10% of the total order value and offer of inspection of the ordered material.

18 The E.M.D. may be forfeited:

(a) if a Bidder withdraws its bid during the period of bid validity

(b) In case of a successful Bidder, if the Bidder fails:

(i) To sign the Contract as mentioned above or

(ii) To furnish performance bank guarantee as mentioned above or

(iii) If the bidder is found to be involved in fraudulent practices.

(v) To submit the Performance Bank Guarantee & sign the Contract Form within prescribed time limit, the EMD of the successful bidder will be forfeited. GIL also reserves the right to blacklist such bidder from participating in future tenders if sufficient cause exists.

19 Termination for Default:

- 19.1 The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Bidder, Bidder will be given notice/cure period of 30 days, after that purchaser will terminate the Contract in whole or part after.
- 19.2 if the bidder fails to deliver any or all of the Goods within **45 working days** from the date of purchase order, or within any extension thereof granted by the Purchaser or
- 19.3 if the Bidder fails to perform any other obligation(s) under the Contract/Purchase order.
- 19.4 If the Bidder, in the judgment of the Purchaser has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

“Corrupt practice” means the offering, giving, receiving or soliciting of anything of value of influence the action of a public official in the procurement process or in contract execution.

“fraudulent practice : a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the purchaser, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the purchaser of the benefits of free and open competition;”

- 19.5 In the event the Purchaser terminates the Contract in whole or in part, pursuant to Clause 19.1 above, the Purchaser may procure, upon such terms and in such manner, as it deems appropriate, Goods or Services similar to those undelivered, and the Bidder shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Bidder shall continue the performance of the Contract to the extent not terminated.
- 20 Price shall be inclusive of all freight, forwarding, transit insurance and installation/demonstration charges.
- 21 The prices shall strictly be submitted in the given format. Quoted prices shall be inclusive of all taxes except GST. Deduction at source towards GST will be made as per the norms and the statutory order of government. The tax components like GST as applicable shall be mentioned separately in the respective columns.
- 22 Late Bids – The bidder will not be able to submit the bid after final submission date and time.
- 23 Modification and Withdrawal of Bids
- 23.1 No bids will be allowed to be modified subsequent to the final submission of bids.
 - 23.2 No bid will be allowed to withdrawn in the interval between the deadline for submission of bids and the expiry of the bid validity. Withdrawal of a bid during this interval will result in the forfeiture of bidder’s E.M.D.
- 24 Bids will be opened with the buyer’s private digital key in the presence of Bidder’s representatives, who choose to attend. The Bidder’s representatives who are present shall sign a register/attendance sheet evidencing their attendance. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process. In the absence of the bidder(s), the tender committee may choose to open the bids as per the prescribed schedule.

- 25 The Bidder's names, Bid modifications or withdrawals, discounts and the presence or absence of relevant E.M.D. and such other details as GIL/GOG officer(s) at their discretion, may consider appropriate, will be announced at the opening.
- 26 **Evaluation of the Bids:** After the closing time of submission, GIL/GOG committee will verify the submission of Bid Processing Fees & EMD as per bid terms and conditions. The eligibility criteria evaluation will be carried out of the responsive bids. The technical bids of the bidders who are complying with all the eligibility criteria will be opened and evaluated next. The bidders who are qualified for eligibility criteria and technical specifications will be asked for technical demonstration of the quoted products at field at sasan forest at sasan, Junagadh. The bidder will have to bare all the expenditure pertaining to demonstration at field at sasan forest at sasan, Junagadh. The price bid of those bidders will be opened who have successfully demonstrate the quoted products as per the technical specifications of bid and requirement of the Gujarat State Lion Conservation Society, Junagadh. The bidder must keep the model to be supplied ready for demonstration before Technical committee. The technical committee may call for demonstration with in 7 days of bid submission. L1 bidder will be decided from the lowest sum total of prices for all line items without tax with 3 years warranty and then called for further negotiations if required.
- 27 **The bidder will have to offer the inspection in the manner as decided by GIL** before delivering to the respective sites or at customer sites. The cost of the same has to be borne by the supplier. Any deviation found in the specification of the produced goods or delivered goods after inspection from the tender specifications will lead to the cancellation of the order, forfeiture of EMD/PBG and prohibition in the participation in the future purchase of Government of Gujarat. GIL/GoG will not be responsible for any time delay which may arise due to any deviation from the bid technical specification found at the time of inspection and the bidder has to deliver and install/demonstrate the ordered goods within prescribed time limit. **At the time of inspection, bidder is required to produce OEM's confirmation on OEM's Letter head with Sr. nos. of Equipment and Software supplied for back to back warranty support as per tender terms and conditions.**
- 28 The indenter's right to inspect, test and, where necessary, reject the Goods after the Goods arrival at Customer Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
- 29 **Delivery and Installation/Demonstration:** Within **45 working days** after receipt of the purchase order from the Department.
- 30 Delivery locations will be in various sanctuaries and National Parks across the Gujarat state.
- 31 In case of successful bidder is found in breach of any condition(s) of bid or supply order/work order, at any stage during the course of supply / installation or warranty period, the legal action as per rules/laws, shall be initiated against the empanelled bidder and EMD/PBG shall be forfeited, besides debarring and blacklisting the bidder concerned for the time period as decided by Govt., for further dealings with GoG.
- 32 Bid validity will be of **90 days after the date of financial bid opening**. A bid valid for shorter period shall be rejected as non-responsive. **If required, GIL may extend the bid validity for further period from the date of expiry of bid validity in consultation with the successful bidder.**
- 33 Bidders are required to quote all items including optional add-ons as well. Incomplete bids will be treated as non-responsive and will be rejected.
- 34 **Scope of Work:**
- 34.1 The differential global positioning system (DGPS) will help in laying out boundaries, demarcate forest area etc. in an accurate fashion.

- 34.2 Boundaries of Forestlands diverted for various non-forestry purposes along with Attributes.
- 34.3 Boundaries of Non-forestlands acquired for CA, Penal CA, additional CA, Safety Zone along with attributes.
- 35 Boundaries of CA Plantations
- Various plantations raised within CA areas with attributes
 - Locations of soil and water conservation structures constructed within CA areas with attributes.
 - Afforestation works carried out by State and Centrally Sponsored Schemes in the notified forests along with attributes.
 - The survey shall be performed using DGPS in real-time or post-processed mode.
- 36 **Warranty:**
- 36.1 Comprehensive onsite warranty of **3 Years** from the date of delivery and acceptance for the supplied items.
- 36.2 If any equipment gives continuous trouble, say more than 3 times in one month during the warranty period, the bidder shall replace the same with new equipment without any additional cost to the purchaser.
- 36.3 In case, bidder is not providing satisfactory support & doing unwarranted delay in providing warranty support, Government offices reserves right to repair the equipment at risk & cost of the bidder.
- 36.4 Free maintenance services shall be provided by the Bidder during **the period of warranty for 3 years.**
- 37 **Payment:** Payment for Goods and Services shall be made by the Purchasing Department in Indian Rupees as follows:
- 37.1 No advance payment will be made.
- 37.2 90% payment after successful inspection and delivery of the ordered goods. The inspection will be done as decided by GIL.
- 37.3 10% payment after successful installation / demonstration of product at site.
- 38 **Penalty Clause:**
- 38.1 **Penalties for delay in delivery and installation:**
- a. If the bidder fails to deliver and demonstrate the requisite item & software within **45 working days** from the issue of the confirmed purchase order, then a sum equivalent to one percent (1 %) of the total contract value shall be deducted from the payment for each calendar week of delay or part thereof.
 - b. The amount of penalty for delay in delivery & installation shall be subject to a maximum limit of 10% of the total contract value.
 - c. Delay in excess of 10 weeks from the date of confirmed purchase order will be sufficient to cause for termination of the contract. In that case the Performance Bank Guarantee of the bidder will be forfeited.
 - d. In case, the selected bidder does not supply the ordered items for any reason, the bidder will be liable to pay the difference amount to the purchaser, over and above the performance guarantee, which indenter department has to pay to the next or other selected bidder for purpose of the said items.
- 38.2 **Operational / Warranty period Penalties:**
- a. During warranty period, if the complaint is not resolved within 48 hrs the penalty of Rs. 500 per day for equipment will be levied. However, if the complaints not resolved within 7 days

then from 8th day to 14th day, penalty would be levied @ 150% and from 15th day onwards penalty @ 200% of the above rates would be levied. The amount of penalty will be recovered from the Performance bank guarantee during warranty period.

- b. In case an item is not usable beyond the stipulated maximum downtime the bidder will be required to arrange for an immediate replacement of the same till it is repaired. Failure to arrange for the immediate repair/replacement will be liable for penalty of RS.500 per day for equipment. The amount of penalty will be recovered from the Performance bank guarantee during warranty period.
 - c. Successful bidder should submit the Performance Bank Guarantee @ 10% of total order value for the duration of (for warranty period + extra 3 months) as per bid requirements. In any case, bidder is required to maintain 10% PBG at all time during the period of contract. In case of any penalty claimed from the submitted PBG during the contract period, the successful bidder is required to submit the additional PBG of the amount equal to the penalty claimed for the duration up to the validity of original Bank Guarantee. For example, "X" amount of penalty will be claimed during the 5th month of contract period, then the bidder is required to submit the additional PBG of "X" amount for the period of 34 months i.e. 39 months - 5 months.
- 39 GIL reserves the right to change any bid condition of any item even after inviting the bids, with/without prior notification.
- 40 The bid quantities are estimated based on the receipt of the requirement from the Department. The quantities may decrease up to 50% of the bid quantity or increase up to 100% of the bid quantity at the time of finalization, depending upon the change in the requirements/grants available with the purchaser(s), which shall be binding to the bidder.
- 41 GIL's Right to accept any Bid and to reject any or all Bids - GIL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to awarding the Contracts, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for such decision.
- 42 All correction/addition/deletion shall require authorized countersign.
- 43 **Limitation of Vendor's Liability:** Vendor's cumulative liability for its obligations under the contract shall not exceed the contract value and the vendor shall not be liable for incidental, consequential, or indirect damages including loss of profit or saving.
- 44 Force Majeure Shall mean and be limited to the following:
- a) War / hostilities
 - b) Riot or Civil commotion
 - c) Earthquake, flood, tempest, lightening or other natural physical disaster.
 - d) Restrictions imposed by the Government or other statutory bodies which prevents or delays the execution of the order by the BIDDER.

The BIDDER shall intimate Purchaser by a registered letter duly certified by the local statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting over two months, if arising out of causes of Force Majeure, GIL reserves the right to cancel the order.

Delivery & demonstration period may be extended due to circumstances relating to Force Majeure by the Purchaser. Bidder shall not claim any further extension for delivery & demonstration or completion of work. Purchaser/GoG shall not be liable to pay extra costs under any conditions.

The BIDDER shall categorically specify the extent of Force Majeure conditions prevalent in their works at the time of submitting their bid and whether the same have been taken in to consideration or not in their quotations. In the event of any Force Majeure cause, the BIDDER shall not be liable for delays in performing their obligations under this order and the delivery dates can be extended to the BIDDER without being subject to price reduction for delayed delivered, as stated elsewhere.

It will be prerogative of GIL/GoG to take the decision on force major conditions and GIL/GoG decision will be binding to the bidder.

- 45 Bidders can seek written clarifications at least 10 days before the date of submission of Bid to Deputy General Manager (Tech), Gujarat Informatics Ltd., 8th Floor, Block No. 1, Udyog Bhavan Gandhinagar 382010. GIL will clarify and issue amendments if any. No further clarification what so ever will be entertained.
- 46 The bid should be submitted on the website <https://gil.nprocure.com> on or before **18.12.2017 till 1500 hours.**

The Technical Bids will be opened on **18.12.2017** at 1700 hours at GIL, Block No. 1, 8th Floor, Udyog Bhavan, Gandhinagar in the presence of the committee members and representatives of the bidders, who have submitted valid bids. Only one representative from each bidder will be allowed to attend the tender opening. The representative will be held responsible for all commitments made on behalf of the bidder and that will be considered valid for all further dealings related to this tender process.

Please address all queries and correspondence to

Shri Vivek Upadhyay, DGM (Technical),
Gujarat Informatics Limited
Block No. 1, 8th Floor, Udyog Bhavan,
Gandhinagar – 382010
Phone No. 079-23259239,
Fax No. 079-23238925,
E-mail: viveku@gujarat.gov.in

Fax/email should be followed by the post confirmation copy.

SECTION I

Bid Processing Fees & Earnest Money Deposit Details

| Sr. No. | Item | Amount (In Rs.) | Name of the Bank & Branch | Demand Draft No. |
|---------|--------------------------------|-----------------|---------------------------|------------------|
| 1 | Bid Processing Fees | | | |
| 2 | Earnest Money Deposit (E.M.D.) | | | |

ELIGIBILITY CRITERIA

Form No. E1: Financial strength of the bidder

| Financial Year | Turnover (Rs. In Crores) | Audited Accounts uploaded? (Yes/No) |
|----------------|--------------------------|-------------------------------------|
| 2014-15 | | |
| 2015-16 | | |
| 2016-17 | | |
| Grand Total | | |

Note: Please fill this form and upload the Audited Annual Accounts / Balance Sheet along with Profit & Loss Account for the last three financial years. In case the accounts for the year 2016-17 of bidder is not audited, bidder can submit the provisional balance sheet & CA Certificate for the year 2016-17.

Form No. E2: Office in GUJARAT

| Sr. No. | Address | Contact Person | Contact Nos. | Type of supporting document attached |
|---------|---------|----------------|--------------|--------------------------------------|
| 1 | | | | |
| 2 | | | | |

Note: You may mention more than one office (if applicable) by adding multiple rows which may be added by "NUMBER OF ROWS TO ADD".

Form No. E3: Warranty Support & repairing cum replacement service up to delivery locations

| Sr. No. | Address | Contact Person | Contact Nos. | Type of supporting document attached |
|---------|---------|----------------|--------------|--------------------------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |

Note: Please fill this form and upload the supporting documents.

Form no. E4: Authorized Dealer / Distributor / Re-seller or Authorized by OEM to quote this bid:

| Name of Bidder | Authorized Dealer / Distributor / Re-seller or Authorized by OEM to quote this bid? (Yes/No) | Type of supporting document submitted |
|----------------|--|---------------------------------------|
| | | |

Note: Please fill this form and upload the supporting document for authorization.

SECTION II

Form No. T1: Make & Model List

| Sr. No. | Item | Make & Model | Brochures/ website literature attached. (Yes/No) |
|----------------|---|-------------------------|---|
| 1 | DGPS Base Station with 3 years warranty | | |
| 2 | Rover with 3 years warranty | | |
| 3 | Post processing/Desktop Software for DGPS with 3 years up gradation support | | |
| 4 | 35 Watt radio system | | |

Note:

1. You may quote only one option against any item.
2. Upload the Certificate from the supplier stating that the items mentioned in table above are sufficient for effective working.
3. Bidders have to upload detailed and latest relevant brochure(s) for each of the items offered.

TECHNICAL MINIMUM SPECIFICATIONS

Schedule-I D.1.1. DGPS System with the following minimum requirements: Make & Model of DGPS to specify:

| CHARACTERISTICS | SPECIFICATION |
|-----------------------------------|--|
| Measurements Specification | |
| Satellite Tracking | Should be Capable of tracking all GNSS constellations (GPS, Galileo, BEIDOU, GLONASS) C/A Code, L1/L2/L5 full cycle carrier |
| No. of Channel | Minimum 400 Channels WAAS/EGNOS/GAGAN |
| 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 |
| Accuracy | |
| Static | |
| Horizontal | + 3 mm + 0.1 ppm or better |
| Vertical | Should be twice the horizontal accuracy |
| Real Time Kinematic | |
| Horizontal | 8mm + 1 ppm or better |
| Vertical | 15mm + 1ppm or better |
| Code Accuracy | |
| Horizontal | 25 cm + 1ppm |
| GNSS Antenna | Multi frequency, high gain Integrated or External antenna with Sub-mm phase center repeatability and 25 to 30 db antenna gain |
| Controller Specification | |
| Operating System | Windows mobile 6.0 or Android Operating system or higher |
| Display | Color, Day light-readable touch screen with backlight illumination |
| Keyboard | Full Alphanumeric with virtual QWERTY with color graphic display with Windows mobile platform. |
| Communion | Bluetooth, serial port/USB port WiFi |
| Other features | Integrated camera and GPS |
| General Specification | |
| No. of Port | 2nos RS 232 ports, 1 no for Power Data and other port dedicated to data communication |
| 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, in case of external antenna including internal radio a should be less than 8.5W in RTK mode |
| Internal Batteries | Rechargeable internal batteries with 7 hrs or more Continues usage time car cable battery power cable should be provided with receiver and external charger for each battery should be supply. |

| CHARACTERISTICS | SPECIFICATION |
|---|---|
| Weight | The Entire RTK base including internal batteries, and controller and without tripod should not weigh more than 4.5 kg. |
| Operating Temperature for all major RTK component | -30 ^o C to + 65 ^o C |
| Storage Temperature for all major RTK component | -40 ^o C to + 75 ^o C |
| Humidity | 100% Condensing |
| Drops | Should be able to with stand pole drops on to concrete up to 1 meter. |
| Initialization Reliability | Better than 99.99% |
| Initialization Time | Typically less than 10 seconds |
| Position Update Rate | 10Hz or higher |
| RTK Data Formats for Transmission and reception | RTCM Versions 2.x. RTCM 3. X. CMR + input/output |
| NMEA output | Support for NMEA output |
| Memory | Internal or Removable memory(flash or SD card) of minimum 8 GB |
| Antenna Cable (for external antenna) | 10 meter antenna cable should be provided for Base. |
| Chargers | Internal/External chargers to charge all the batteries at the same time should be provided. |
| External battery Cable | Suitable External Battery cable should be provided for Base station |
| Controller On Board Software | |
| Survey Style Configuration | The Software should allow configurable survey style for Static, PPK, RTK etc. |
| Multitasking | The software should be capable of multitasking so that multiple operations can be opened at a time e.g., COGO, Stakeout, Point Manager etc. |
| Co-ordinate Systems Manager | Should have datum and projection support, Should support 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. |

| CHARACTERISTICS | SPECIFICATION |
|--|---|
| Transfer Data between Field and Office | Should be able to e-mail data collected in the field in case facility is available. Should be able import and export user configurable files for effective GIS support. |
| Stake out | should support Graphical stakeout, not only for points but for Lines and DTM as well, should be able perform Real Time Quality Control for stake out positions. |
| Background Map | should be able to accept background maps in CAD format. |

SPECIFICATION FOR ROVER

Integrated Bluetooth enabled DGPS Base receiver with Receiver, Antenna and radio receiver in single housing

| CHARACTERISTICS | SPECIFICATIONS |
|-----------------------------------|---|
| Measurements Specification | |
| Satellite Tracking | Should be Capable of tracking all GNSS constellations (GPS, Galileo, BEIDOU, GLONASS) C/A Code, L1/L2/L5 full cycle carrier and GLONASS L1C/A L1 and L2 |
| No. of Channel | 400 or higher channels WAAS/EGNOS/GAGAN capable. |
| Measuring Modes | Static, Real time Kinematic. |
| Measurement Technology | High precision GNSS Measurements for low noise, low multi-path error |
| Accuracy | |
| Static | |
| Horizontal | 3 mm + 0.1ppm |
| Vertical | should be twice the horizontal accuracy. |
| Real Time Kinematic | |
| Horizontal | 10 mm + 1 ppm |
| Vertical | 20 mm + 1 ppm |
| Code Differential | 25 cm + 1 ppm |
| OTF/RTK Range | For 1/2 Watt internal radio system more than 1 km with 35 watt External radio system more than 8 km in forest areas from base |
| GNSS Antenna | Multi frequency, High gain integrated antenna with sub-mm phase center repeatability. |
| Controller Specification | |
| Operating System | Windows mobile 6.0 or Android Operating system or higher |
| Display | Color, Daylight-readable touch screen with backlight illumination. |

| CHARACTERSTICS | SPECIFICATIONS |
|---|---|
| Keyboard | Full Alphanumeric with virtual QWERTY Keyboard |
| Communion | Bluetooth, serial port/USB port Wi-Fi |
| Other features | Integrated camera and GPS |
| General Specification | |
| Connectivity modes/options | Integrated Bluetooth to communicate between GNSS receiver and Controller |
| No. of Port | 2 nos RS232 ports, 1 no for Power/Data and other port dedicated to data communication (optional) |
| Power Port | 1 No power port with input voltage of 12V DC external power input with over-voltage protection. |
| Power Consumption | Power consumption for satellite receiver and antenna including internal radio should be less than 4.5 W 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 filed operation. |
| Weight | The entire RTK rover including internal bateries, range pole controller and bracket should not weight more than 4kg |
| Operating Temperature for all major RTK | - 40*c to +65*c |
| Storage Temperature for all major RTK | - 40*c to +75*c |
| Humidity | 100% Condensing |
| Drops | Withstands pole drop onto concrete or hard surface (1m minimum) |
| Initialization Reliability | Better than 99.99% |
| Initialization Time | Typically less than 10 seconds. |
| Position update rate | 10 Hz or higher |
| RTK data formats for transmission and reception | RTCM Versions 2.x. RTCM 3.x. CMR+ input/output. |
| NMEA output | Support for NMEA output |
| Memory | In Controller/ Receiver minimum Memory 8GB |
| Chargers | Suitable battery charger should be supplied. |
| Controller On-Board Software | |
| Survey Style Configuration | The Software should allow configurable survey style for static, PPK and RIK mode. |

| CHARACTERSTICS | SPECIFICATIONS |
|--|--|
| Multitasking | The software should be capable of multitasking so that multiple operations can be opened at a time e.g. COGO, Stakeout, Point Manager etc., |
| Co-ordinate Systems Manager | Should have datum and projection support, should support Grid co-ordinates |
| 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 |
| Transfer Data between field and office | Should be able to e-mail data collected in the field, Should be able import and export DXF files for effective GIS support. |
| Stake out | Should support Graphical stakeout, not only for points but for lines and DTM as well., should be able Perform Real Time. |
| Background Map | Should be able to accept background maps |
| OFFICE POST PROCESSING SOFTWARE | |
| Operating System | Windows Microsoft |
| Importing Raw Data | Should be able to import Raw data from all GNSS constellations (GPS, Galileo, BEIDOU, GLONASS) receiver as well as RINEX data. Also should be able to import raw data as well as precise ephemeris data via internet IGS data from net. Capable of Exporting the data in RINEX format as well in CAD Format. |
| Baseline Processing | Should be capable of processing all imported raw data for L1/L2/L5 Individually and combined. |
| Network Adjustment | Should be able to perform Network adjustment using least square adjustment principle. |
| Export | Capable of Exporting the data in RINEX format as well in CAD format |
| Reporting | Software should be capable of generating reports directly for the surveyed data |

| CHARACTERSTICS | SPECIFICATIONS |
|----------------|--|
| Feature Coding | Software should support feature coding. |
| COGO | Software should have COGO functionality. |

| | |
|----------------------------------|---|
| Radio Modem for Base | With WPC compliance equipment approval |
| External Base Transmitter | |
| Output power | 35 watts |
| Selectable channel | Two selectable power output of 2 watt and 35 watt. |
| Radio Modem for Rover | |
| Integrated | Rover Radio Modem should be integrated in the single housing. |

Note:

1. Bidder has to submit the OEM compliance letter showing line-by-line compliance with all bid specification mentioned above for all items.
2. Successful bidder has to supply all the necessary data transfer, power supply adapters and cables, Cleaning cloth Operation manual, softwares, support for softwares updation in future till hardware supports updated softwares, Carrying case Carrying strap and required accessories without any extra cost and to make the system fully functional.
3. Warranty assured by bidders should be reflected on OEMs website/portal (Please upload OEM undertaking letter).
4. During Technical Evolution, Bidder has to demonstrate the quoted equipment & software as per bid specification & functionality demonstration.
5. The Radio Modem for Base and Rover to be Ordered/supplied subject to availability of WPC License for High Power Radio with Dept. of Forest, Gir Division.

SECTION III

Form No. F1: Financial Bid Format

| Sr. No. | ITEM | Quantity (In Nos.) | Unit Price with 3 Years Warranty (In Rs. Without tax) | Total Price with 3 Years Warranty (In Rs. Without tax) | Applicable G.S.T. (%) |
|--------------------|---|--------------------|---|--|-----------------------|
| A | B | C | D | E=C*D | F |
| 1 | DGPS Base Station with 3 years warranty | 2 | | | |
| 2 | Rover with 3 years warranty | 2 | | | |
| 3 | Post processing/Desktop Software for DGPS with 3 years up gradation support | 2 | | | |
| 4 | 35 Watt radio system to communicate between base and rover [To be supplied after the license is undertaken] | 2 | | | |
| Grand Total | | | | | |

Note:

1. L1 will be the lowest sum total of rates of all line items without tax with 3 years warranty.
2. The Bidder shall explicitly mention the applicable rate of tax.
3. The part payment of item in 1 to 3 will be done after successful supply where as item no 4 may be supplied after obtaining the license and payment will be made thereafter.

Performa of Compliance letter/Authenticity of Information Provided

(On Non judicial Stamp paper of Rs. 100 duly attested by the First class Magistrate/Notary Public)

Date:

To,
DGM (Tech.)
Gujarat Informatics Ltd.
Block-1, 8th Floor,
Udhyog Bhavan, Gandhinagar.

Sub: Compliance with the tender terms and conditions, specifications and Eligibility Criteria

Ref: Tender no. HWT031017464

Dear Sir,

With reference to above referred tender, I, undersigned <<Name of Signatory>>, in the capacity of <<Designation of Signatory>>, is authorized to give the undertaking on behalf of <<Name of the bidder>>.

We wish to inform you that we have read and understood the technical specification and total requirement of the above mentioned bid submitted by us on **DD.MM.2017**.

We hereby confirm that all our quoted items meet or exceed the requirement and are absolutely compliant with specifications mentioned in the bid document.

We also explicitly understand that all quoted items meet technical specification of the bid & that such technical specification overrides the brochures/standard literature if the same contradicts or is absent in brochures.

In case of breach of any tender terms and conditions or deviation from bid specification other than already specified as mentioned above, the decision of GIL Tender Committee for disqualification will be accepted by us.

The Information provided in our submitted bid is correct. In case any information provided by us are found to be false or incorrect, you have right to reject our bid at any stage including forfeiture of our EMD/ PBG/cancel the award of contract. In this event, GIL reserves the right to take legal action on us.

Thanking you,

Dated this _____ day of _____ 2017

Signature: _____

(In the Capacity of): _____

Duly authorized to sign bid for and on behalf of

Note: This form should be signed by authorized signatory of bidder

Annexure A

Format of Earnest Money Deposit in the form of Bank Guarantee

Ref: Bank Guarantee No.
Date:

To,
DGM(Technical)
Gujarat Informatics Limited
8th Floor, Block -1, Udyog Bhavan,
Sector - 11, Gandhinagar - 382017
Gujarat, India

Whereas ----- (here in after called "the Bidder") has submitted its bid dated ----- in response to the Tender no: HWT031017464 for Purchase of Differential Global Positioning System (DGPS) on behalf of Gujarat State Lion Conservation Society, Junagadh. KNOW ALL MEN by these presents that WE -----
----- having our registered office at ----- (hereinafter called "the Bank") are bound unto the Gujarat Informatics Limited in the sum of ----- for which payment well and truly to be made to Gujarat Informatics Limited , the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this -----day of ----- 2016.

THE CONDITIONS of this obligation are:

1. The E.M.D. may be forfeited:
 - a. if a Bidder withdraws its bid during the period of bid validity
 - b. Does not accept the correction of errors made in the tender document;
 - c. In case of a successful Bidder, if the Bidder fails:
 - (i) To sign the Contract as mentioned above within the time limit stipulated by purchaser or
 - (ii) To furnish performance bank guarantee as mentioned above or
 - (iii) If the bidder is found to be involved in fraudulent practices.
 - (iv) To submit the Performance Bank Guarantee & sign the Contract Form within prescribed time limit, the EMD of the successful bidder will be forfeited. GIL also reserves the right to blacklist such bidder from participating in future tenders if sufficient cause exists.

We undertake to pay to the GIL/Purchaser up to the above amount upon receipt of its first written demand, without GIL/ Purchaser having to substantiate its demand, provided that in its demand GIL/ Purchaser will specify that the amount claimed by it is due to it owing to the occurrence of any of the abovementioned conditions, specifying the occurred condition or conditions.

This guarantee will remain valid up to 6 months from the last date of bid submission. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that if this guarantee is extended for a period as mutually agreed between bidder & owner/purchaser, the guarantee shall be valid for a period so extended provided that a written request for such extension is received before the expiry of validity of guarantee.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.



The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the SELLER's liabilities.

Dated at _____ on this _____ day of _____ 2017.

Signed and delivered by

For & on Behalf of

Name of the Bank & Branch &
Its official Address

Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2016/328/DMO dated 01.05.2017 issued by Finance Department or further instruction issued by Finance department time to time.



**Performa of Contract-cum-Equipment
Performance Bank Guarantee**
(To be stamped in accordance with Stamp Act)

Ref:

Bank Guarantee No.

Date:

To

Name and Address of the Purchaser/Indenter

Dear Sir,

In consideration of <<Name and Address of the Purchaser/Indenter, Government of Gujarat>> (hereinafter referred to as the OWNER/PURCHASER which expression shall unless repugnant to the context or meaning thereof include successors, administrators and assigns) having awarded to M/s. having Principal Office at (Hereinafter referred to as the "SELLER" which expression shall unless repugnant to the context or meaning thereof include their respective successors, administrators, executors and assigns) the supply of _____ by issue of Purchase Order No..... Dated issued by <<Department Name>> for and on behalf of the OWNER/PURCHASER and the same having been accepted by the SELLER resulting into CONTRACT for supplies of materials/equipments as mentioned in the said purchase order and the SELLER having agreed to provide a Contract Performance and Warranty Guarantee for faithful performance of the aforementioned contract and warranty quality to the OWNER/PURCHASER, _____ having Head Office at (hereinafter referred to as the 'Bank' which expressly shall, unless repugnant to the context or meaning thereof include successors, administrators, executors and assigns) do hereby guarantee to undertake to pay the sum of Rs. _____ (Rupees _____) to the OWNER/PURCHASER on demand at any time up to _____ without a reference to the SELLER. Any such demand made by the OWNER/PURCHASER on the Bank shall be conclusive and binding notwithstanding any difference between Tribunals, Arbitrator or any other authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the OWNER/PURCHASER and further agrees that the guarantee herein contained shall continue to be enforceable till the OWNER/PURCHASER discharges this guarantee. OWNER/PURCHASER shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance by the SELLER of the aforementioned CONTRACT. The OWNER/ PURCHASER shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the SELLER, and to exercise the same at any time in any manner, and either to enforce to forebear to enforce any covenants contained or implied, in the aforementioned CONTRACT between the OWNER/PURCHASER and the SELLER or any other course of or remedy or security available to the OWNER/PURCHASER.

The Bank shall not be released of its obligations under these presents by any exercise by the OWNER/PURCHAER of its liability with reference to the matters aforesaid or any of them or by reason or any other acts of omission or commission on the part of the OWNER/PURCHASER or any other indulgence shown by the OWNER/PURCHASER or by any other matter or things.

The Bank also agree that the OWNER/PUCHASER at its option shall be entitled to enforce this Guarantee against the Bank as a Principal Debtor, in the first instance without proceeding against the SELLER and not withstanding any security or other guarantee that the OWNER/PURCHASER may have in relation to the SELLER's liabilities.

Notwithstanding anything contained herein above our liability under this Guarantee is restricted to Rs. _____ (Rupees _____) and it shall remain in force up to and including _____ and shall be extended from time to time for such period as may be desired by the SELLER on whose behalf this guarantee has been given.

Dated at _____ on this _____ day of _____ 2017.

Signed and delivered by

For and on Behalf of

Name of the Bank and Branch and
Its official Address

Approved Bank: All Nationalized Bank including the public sector bank or Private Sector Banks or Commercial Banks or Co-Operative & Rural Banks (operating in India having branch at Ahmedabad/ Gandhinagar) as per the G.R. no. EMD/10/2015/508/DMO dated 27.04.2016 issued by Finance Department or further instruction issued by Finance department time to time.

CONTRACT FORM

THIS AGREEMENT made on the _____ day of _____, 2016 ____ between _____ (*Name of purchaser*) of _____ (*Country of Purchaser*) hereinafter "the Purchaser" of the one part and _____ (*Name of Supplier*) of _____ (*City and Country of Supplier*) hereinafter called "the Supplier" of the other part:

WHEREAS the Purchaser is desirous that certain Goods and ancillary services viz., _____ (*Brief Description of Goods and Services*) and has accepted a bid by the Supplier for the supply of those goods and services in the sum of _____ (*Contract Price in Words and Figures*) hereinafter called "the Contract Price in Words and Figures" hereinafter called "the Contract Price."

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1 In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2 The following documents shall be deemed to form and be read and construed as part of this Agreement, viz. :
 - 2.1 the Bid Form and the Price Schedule submitted by the Bidder;
 - 2.2 terms and conditions of the bid
 - 2.3 the Purchaser's Notification of Award
- 3 In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
- 4 The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
- 5 Particulars of the goods and services which shall be supplied / provided by the Supplier are as enlisted in the enclosed annexure:

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the

Said _____ (For the Purchaser)

in the presence of _____

Signed, Sealed and Delivered by the

said _____ (For the Supplier)

in the presence of _____