

## SINGLE TENDER

Single Tender No: IITH/EE/RAJI/2021/S/T440

Date: 03/02/2022

Indian Institute of Technology Hyderabad invites online bids (e-tender) in Single Bid ( Technical + Financial) System , from Original Equipment Manufacturer (OEM) /Authorized distributors/Authorized dealer for the following item

Item Description	Qty	EMD (in Rs)
Item Name: INS/GNSS System for Rover / Mobile Vehicle	02	80,000.00
Annexures: Technical Specifications as per Annexure A Compliance Statement as per Annexure B Bill of Material as per Annexure C Manufacturer authorization as per <b>Annexure –‘D’</b> DPIIT Registration Certificate as per Annexure E Declaration for Local Content as per Annexure F Bidder Information Sheet as per Annexure G		

The Tender Document can be downloaded from <https://mhrd.euniwizarde.com> OR Institute website- <https://iith.ac.in/tenders>

The bid is to be submitted online only through the E-procurement portal of <https://mhrd.euniwizarde.com> up to the last date and time of submission of tender.

### Schedule of Dates

Sr.No	Particulars	Date	Time
1	Date of Online Publication/Download of Tender	02/02/2022	16:00 hrs
2	Bid Submission Start Date	02/02/2022	16:10 hrs
3	Bid Submission Close Date	08/02/2022	11:00 hrs
4	Opening of Bids	08/02/2022	11:10 hrs

No manual bids will be accepted. All quotation should be submitted online through E-procurement portal of <https://mhrd.euniwizarde.com>

Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the Helpdesk Support - Phone No. 011-49606060. Mail id: - [helpdeskeuniwizarde@gmail.com](mailto:helpdeskeuniwizarde@gmail.com)

## **INSTRUCTIONS FOR ONLINE BID SUBMISSION**

The Tender Document can be downloaded from <https://mhrd.euniwizarde.com> OR Institute website- <https://iith.ac.in/tenders>.

The bidders are required to submit soft copies of their bids electronically on the <https://mhrd.euniwizarde.com> using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the Portal, prepare their bids in accordance with the requirements and submitting their bids online.

More information useful for submitting online bids may be obtained at: <https://mhrd.euniwizarde.com>

### **GUIDELINES FOR REGISTRATION:**

1. Bidders are required to enrol on the e-Procurement Portal with clicking on the link “Online Bidder Enrolment ” on the e-tender Portal by paying the Registration fee of Rs.2000/- +Applicable GST.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidders.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile. Or bidders can contact help desk for getting the DSC.
5. Only valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
7. The scanned copies of all original documents should be uploaded in pdf format on portal <https://mhrd.euniwizarde.com>
8. After completion of registration payment, bidders need to send their acknowledgement copy on help desk mail id [helpdeskeuniwizarde@gmail.com](mailto:helpdeskeuniwizarde@gmail.com) for activation of their account.

## SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the e-tender Portal, to facilitate bidders to search active tenders by several parameters.
2. Once the bidders have selected the tenders they are interested in, you can pay the form fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / tender schedules, Bid documents etc. Once you pay both fee tenders will be moved to the respective 'requested' Tab. This would enable the e- tender Portal to intimate the bidders through e-mail in case there is any corrigendum issued to the tender document.

## PREPARATION OF BIDS

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.
3. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Colour option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.
5. These documents may be directly submitted from the "My Documents" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## SUBMISSION OF BIDS

1. Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by IIT Hyderabad.
3. Bidder has to select the payment option as "e-payment" to pay the tender fee / EMD as applicable and enter details of the instrument.

4. In case of Bank Guarantee (BG) bidder should prepare the BG as per the instructions specified in the tender document. The BG in original should be posted/couriered/given in person to the concerned official of IIT Hyd before the Online Opening of Technical Bid. In case of non-receipt of BG in original by the said time, the uploaded bid will be summarily rejected.
5. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white Colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
7. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal <https://mhrd.euniwizarde.com>), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details.
9. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

**For any clarification in using <https://mhrd.euniwizarde.com>**

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the Helpdesk Support.

Please feel free to contact euniwizard helpdesk (as given below) for any query related to etendering -  
Phone No. 011-49606060. Mail id: - [helpdeskeuniwizarde@gmail.com](mailto:helpdeskeuniwizarde@gmail.com)/ Mr.Vijay - 08448288989/Mr.Gagan-8448288987

## **TERMS & CONDITIONS**

1. It may kindly be noted that your bid should:

a) Two Bid System (Technical Bid + Commercial Bid)

b) Earnest Money Deposit (EMD) - EMD of Rs. 80,000.00/- (Rs. Eighty Thousand Only) in the form of Bank guarantee (As per format enclosed as ANNEXURE- 'C') of a scheduled bank in the name of Director, IIT Hyd valid for 180 days from the date of opening of the tender or Online Payment through the e-Procurement portal mapped to IIT Hyd Account. The Scan Copy of the Bank Guarantee /Proof of Payment made online to E-Wizard Portal should be submitted along with technical bid. The BG in original should be posted/couriered/given in person to the Stores & Purchase Section of IIT Hyd , before the Online Opening of Technical Bid. In case of non-receipt of BG in original before the due date of technical bid opening, the uploaded bid will be summarily rejected.

2. The acceptance of the quotation will rest with the competent authority, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject, or partially accept any or all the quotations received without assigning any reason.

3. Price quoted should be as per the BoQ and valid for a minimum period of 60 days from the date of opening of the quotation. The rate quoted should be free delivery at IITH Stores, Kandi 502284 .

4. Complete specification with manufacturer's name and address should be given while quoting. Literature/Pamphlets should also be enclosed wherever applicable

5. In cases of agents quoting on behalf of the manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorize only one agent/dealer. There can be only one bid from the following:

i) The manufacturer directly or through one agent on his behalf; or

ii) Agent on behalf of only one principal.

6. IIT Hyd is registered with Dept. of Scientific & Industrial Research, Govt. of India and concessional customs duty and GST & IGST are leviable vide notification no. 54/2002-Customs on all imports covered under notification No.51/96-Customs dated 23.07.1996, Notification No.47/2017-Integrated Tax (Rate) and Notification No.45/2017-Central Tax (Rate) both dated 14th November, 2017.

7. In case the items in the enquiry are covered by any rate contract or running contract finalised by any other state or central Government, it should be specified in your quotation and accepted contract rates should also be mentioned.
8. Delivery period required for supplying the material should be invariably specified in the quotation, preferably within 60 days from the date of issue of purchase order. The offered delivery period shall have to be strictly adhered to in case an order is placed.
9. Liquidated Damages Clause for delays: The applicable rate is 0.5% per week and maximum deduction is 10% of the contract price.
10. If the deliveries are not maintained and due to that account the purchaser is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier.

#### 11. Security Deposit:

- a. Within fifteen (15) days of the award of contract, the vendor shall furnish a Security Deposit amounting to **3%** of the purchase order value in the form of Demand Draft/Bank Guarantee (**from scheduled Bank only**) favouring the Director, IIT Hyd.
- b. The IIT Hyd will forfeit the 3% security deposit if vendor fails to execute the order as per the Purchase Order.
- c. The Security Deposit should be valid for warranty period + 60 days, as the same will extend the same as Performance Bank Guarantee. Hence while preparing the BG, the time period required for delivery and installation and warranty + 60 days needs to be accounted for to cover the BG validity period.
- d) This Security Deposit will be refunded to the vendor only on satisfactory completion of all contractual obligations as per this Tender and Purchase Order issued against this Tender.
- e. **Bank Guarantee wherever mentioned in this document may be read as “Bank Guarantee from any Scheduled Bank” only.**

#### 12. . Payment: - No advance payments are allowed.

##### A) INDIGENIOUS

For Indigenous items, 90% payment shall be made against delivery, installation, commissioning and balance 10% on demonstration of the whole system to the satisfaction of the Institute/ Scientist/Technologist/Indenter/Professor etc. If the PBG, submitted as per Chapter 2 Clause No 3, requires extension to cover the Warranty Period the same will be done before release of the balance 10% Payment.

## B) IMPORT

i) **Letter of Credit** will be established for 100% order value excluding the Agency Commission due to the Indian Agents. The Letter of Credit will be established only on receipt of the Security Deposit.

90% payment shall be made against the presentation of original Shipping documents to our bankers or as per the LC terms and conditions. Balance 10% will be released after completion of satisfactory installation, commissioning, demonstration of the whole system to the satisfaction of the Institute/User Scientist Technologist/Indentor/Professor. If the PBG, submitted as per the above mentioned, requires extension to cover the Warranty Period the same will be done before release of the balance 10% Payment.

OR

ii) **By Wire Transfer** - 90% payment shall be made against delivery, installation, commissioning and balance 10% on demonstration of the whole system to the satisfaction of the Institute/User Scientist /Technologist/Indentor/Professor If the PBG, submitted as per mentioned above, requires extension to cover the Warranty Period the same will be done before release of the balance 10% Payment

iii) The payment of local currency portion shall be payable in Indian Rupees, within 30 days after the receipt of the equipment in good condition and after satisfactory installation and commissioning and demonstration.

iv) The Agency Commission to the Indian Agent will be paid in INR only after successful installation, commissioning and satisfactory demonstration and acceptance of the items ordered for by the end user.

13. **Warranty & Maintenance contract:** The supplier shall warranty equipment, system components as per the onsite OEM warranty following satisfactory installation and commissioning. The defects, if any, during the guarantee/warranty period are to be rectified free of charge by arranging free replacement wherever necessary. All expenditure including government levies on account of the replacement are to be borne by the supplier/agent.

14. **Installation & Testing:** The installation shall be completed within a week from the date of intimation regarding the arrival of the equipment in the institute. The installed system shall be performance tested at our premises in accordance with the manufacturer's/supplier's recommendation/specifications. Tests shall demonstrate the proper operation of the instrument and all components.

15. All supplies are subject to inspection and approval before acceptance. Manufacturer warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable



16. Kindly furnish your PAN & GST Number etc. in your quotation for our records.

17. Conditional tenders will not be accepted.

**18. Requirement of registration:** Vide Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

i. Any bidder from a country sharing a land border with India will be eligible to bid in this tender only if the bidder is registered with the Department for Promotion of Industry and Internal Trade (DPIIT).

ii. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.

iii. "Bidder from a country which shares a land border with India" for the purpose of this Order means:

- a) An entity incorporated, established or registered in such a country; or
- b) A subsidiary of an entity incorporated, established or registered in such a country; or
- c) An entity substantially controlled through entities incorporated, established or registered in such a country; or
- d) An entity whose beneficial owner is situated in such a country; or
- e) An Indian (or other) agent of such an entity; or
- f) A natural person who is a citizen of such a country; or
- g) A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

For details about registration procedures please visit the above mentioned OM. Mandatory documentary evidence regarding the bidder's registration with DPIIT is to be submitted along with the tender, failing which the tender shall be liable for rejection. Bidders are also requested to submit the Model Certificates **as per Annexure** for this tender as mentioned in the Ministry of Finance OM No. 6/18/2019-PPD dated 23rd July 2020.

**19. Public Procurement (Preference to Make in India), Order 2017:**

a) IIT Hyd shall compare all substantially responsive bids to determine the lowest valued bid. This Institute is following and abide with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and its subsequent amendments. Accordingly preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.



b) As per the above order and its subsequent amendments “Local Content” means the amount of value added in India which shall be value of the item procured (excluding net domestic indirect taxes) minus the value of the imported content in the item (including all the custom duties) as a proportion of the total value, in percent. Accordingly the suppliers will be classified in following categories.

- i) Class I local Supplier – has local content equal to or more than 50%
- ii) Class II local Supplier – has local content more than 20% but less than 50%

c) **Verification of Local Content** : The Class I Local Supplier /Class II Local Supplier at the time of bidding shall be required to indicate the percentage of local content and provide self-certification as per Annexure D that the items offered meet the local content requirement. The details of the location(s) at which the local value addition is made also needs to be specified.

**The bidders can be debarred for a period up to two years as , per Rule 151(iii) of GFR 2017, in case of false declaration.**

#### **Complaint Redressal Mechanism:**

In case any complaint received by the procuring agency or the concerned Ministry/Department against the claim of a bidder regarding local content/domestic value addition in a product, the same shall be referred to competent authority at IITH or the relevant Ministry .

The bidder against whom the complaint is received shall be required to furnish the necessary documentation in support of the domestic value addition claimed in the product to authority. If no information is furnished by the bidder, such laboratories may take further necessary action, to establish the bonafides of the claim

A complaint fee of Rs. 2 lakh or 1% of the value of the domestically manufactured products being procured (subject to a maximum of Rs.5 lakh), whichever is higher, to be paid by Demand Draft to be deposited with Procuring Institute. In case, the complaint is found to be incorrect, the complaint fee shall be forfeited. In case, the complaint is upheld and found to be substantially correct, deposited fee of the complainant would be refunded without any interest.

False declarations will be in breach of the Code of Integrity under Rule 175 (1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

20. **ARBITRATION:** a) Unless otherwise specified, in all cases of disputes which cannot be settled by mutual negotiations, the disputes or differences shall finally be settled and binding on both parties by arbitration in conformity with the rules of Indian Arbitration Act, 1940. All disputes or differences what so ever arising between the parties out of relating to the construction, meaning and operation or effect of the general terms and conditions including the Purchase Order or the breach thereof shall be settled by Arbitration Act, 1940 and the award made in pursuance thereof shall be binding on the parties.

b) Performance of the purchase order shall continue during arbitration and any subsequent proceedings.

c) The Jurisdiction and Venue of arbitration shall be Hyderabad. The Arbitrator will be the Director, IIT Hyderabad, or his nominee.

21. **Note for MSME/NSIC Bidder :** If in the view of bidder, any exemption / relaxation is applicable to them from any of the eligibility requirements, under any Rules / Guidelines/ Directives of Government of India, bidder may submit their claim for the applicable exemption /relaxation, quoting the valid Rule/Guidelines/ Directives with a copy of such notification. In this case the bidder must submit necessary and sufficient documents along with the technical bid, in support of their claim. The relevant and valid certificates in support of claim of exemption must be submitted along with the Technical Bid.

22. All disputes shall be settled in the courts of Hyderabad/Sangareddy only

23. The Director, IIT Hyd reserves the right to accept the offer in full or in parts or reject summarily or partly and also reserves the right to cancel the tender at any stage without assigning reasons

**For any technical query related to enquiry you may to contact**

Prof. Rajalakshmi Pachamuthu, Department of Electrical Engineering - Email: [raji@ee.iith.ac.in](mailto:raji@ee.iith.ac.in)

For Commercial query

Mr. Suresh Nair - Assistant Registrar Email : [ar.purchase@iith.ac.in](mailto:ar.purchase@iith.ac.in)

Mr. Jagadeesh B – Deputy Registrar Email : [dr.snp@iith.ac.in](mailto:dr.snp@iith.ac.in)

With CC: [office.stores@iith.ac.in](mailto:office.stores@iith.ac.in)

***Note : Participation in this tender is by invitation only and is limited to the selected Purchaser's registered suppliers. Unsolicited offers are liable to be ignored. However, suppliers who desire to participate in such tenders in future may bring it to the notice of the purchaser and apply for registration as per procedure***

ANNEXURE A

**TECHNICAL SPECIFICATIOS**

SL No	Parameters	Specifications
<b>SPAN INS GNSS Receiver</b>		
1.	Receiver should be RTK Support with SPAN INS GNSS receiver	Real time Accuracy 1-2 cm Vendor should have supplied Satel Radio with 12dB Antenna
2.	SPAN-Enabled MEMS Receiver	Inbuilt IMU Epson G370N sensor or Equal MEMS sensor with GNSS receiver.
3.	Channels	At least 555 channels which can support multi-constellation GNSS for current and future signals
4.	Satellite Signal Tracking	GPS L1 C/A, L1C, L2C, L2P, L5 GLONASS L1 C/A, L2C, L2P,L3, L5 BeiDou B1, B2, B3 Galileo E1, E5 ,E5a,E5b, E6 NavIC (IRNSS) L5 SBAS L1, L5 QZSS L1 C/A, L1C, L2C, L5, L6 L-Band up to 5 channels for PPP correction
5.	Measuring modes	Static, Kinematic, SBAS, DGPS / RTK and Precise Point Positioning
6.	L-band corrections	The receiver must be capable of acquiring real-time corrections to the receiver using satellite-based corrections – Terrastar Correction.
7.	GNSS measurements rate	Up to 20 Hz or better
8.	INS Position/Attitude	Up to 200 Hz
9.	Internal Memory	16GB Support for logging to external USB storage Push button to enable or disable to the internal storage
10.	Status LEDs	LED indicators for power, GNSS, data logging and USB
11.	Control software	Windows-based GUI that easily communicates with and configures the receiver via a serial port, USB or Ethernet connection using a PC running on Windows 7 / Windows 10

		Ability to configure and log measurements, navigation, correction messages of the GNSS receiver on the PC/ on-board memory and stream DGPS / RTK corrections via a serial datalink
12.	Web GUI	Web UI for monitoring, configuring and logging using Wi-Fi and Ethernet interfaces
13.	GNSS Horizontal Position Accuracy (RMS)	Single Point L1: 1.5 m Single Point L1/L2: 1.2 m SBAS: 60 cm TerraStar: 6 cm RTK: 1 cm + 1 ppm
14.	Time to First Fix	Cold start < 39 s Hot start < 20 s
15.	Signal Reacquisition	L1 < 0.5 s L2 < 1.0 s
16.	Time Accuracy Velocity Limit	20 ns RMS 515 m/s
17.	In built Interference Toll kit	Advanced interference mitigation features
18.	<b>IMU Performance</b> Gyroscope Performance	Input range $\pm 450$ deg/s
19.	<b>IMU Performance</b> Accelerometer Performance	Range $\pm 10$ g
20.	<b>IMU Performance</b> Receiver should provides Real time Fields data output:	INS Data: roll, pitch, yaw, accelerations, velocities GPS Data: latitude, longitude, height
21.	Communication Ports	1 RS-232 up to 460,800 bps 2 RS-232 / RS-422 up to 460,800 bps 1 USB 2.0 (device) HS 1 USB 2.0 (host) HS 1 Ethernet 10/100 Mbps 1 CAN BUS 1Mbps 3 Event inputs 3 Event outputs 1 Pulse Per Second output 1 Quadrature Wheel Sensor input

22.	Physical	Dimensions:147 x 125 x 55 mm Weight : 600 g
23.	Electrical	Receiver Power: Input voltage : +9 to +36 VDC Power consumption: 3.95W Antenna Output voltage: 5 VDC $\pm 5\%$ 200 mA with AC/DC Adaptor 110/220AC (50Hz) External Battery 26AH
24.	Input and Output Connector	1 Antenna TNC USB device Micro A/B USB host Micro A/B Serial, CAN, Event I/O : DSUB HD26 Ethernet RJ45 Data Logging : Push button Power :SAL M12, 5 pin, male
25.	Data Format	Navigation output support for NMEA 0183 and detailed NovAtel ASCII and binary logs and 1 PPS output for time synchronization
26.	Environmental	Temperature: Operating -40°C to +75°C Storage -40°C to +85°C Humidity 95% non-condensing Ingress Protection Rating IP67  Vibration: MIL-STD-810H, Method 514.8 (Cat 24, 20 g RMS) Sinusoidal IEC 60068-2-6 Acceleration: MIL-STD-810H, Method 513.8 Procedure II (16 g) Bump:IEC 60068-2-27 (25g) Shock: MIL-STD-810H, Method 516.8, Procedure 1, 40 g 11 ms
27.	Compliance	FCC, ISED, CE and Global Type Approvals
28.	Supportable Firmware Solutions	<ul style="list-style-type: none"> <li>• ALIGN</li> <li>• SPAN</li> <li>• RTK</li> <li>• RTK ASSIST</li> <li>• TerraStar PPP</li> <li>• API</li> </ul>

GNSS Antenna		
29.	Satellite Signal Tracking	GPS L1 C/A, L1C, L2C, L2P, L5 GLONASS L1 C/A, L2C, L2P,L3 BeiDou B1, B2, B3 Galileo E1,E5a,E5b, E6 NavIC (IRNSS) L5 L-Band for PPP correction
30.	Antenna Character	Supports all GNSS Constellations and frequencies + L-Band signal reception, supporting correction services such as Terrastar
31.	Connector type	TNC or N type
32.	LNA GAIN	25 to 35 dB
33.	Physical	Weight : 600 g
34.	Dust/Water Resistance	IP69K
35.	Environmental	Temperature Operating -40°C to +85°C Storage -55°C to +85°C  Humidity 95% non-condensing  Salt Fog MIL-STD 810G/CH1, Method 509.6, Corrosive RoHS EU Directive 2011/65/EU
36.	Compliance	FCC IC CE

ANNEXURE – B

**FORMAT OF COMPLIANCE STATEMENT OF SPECIFICATIONS**

1	2	3	4	5	6
S. N.	Name of specifications/part / Accessories of tender enquiry  As per Annexure A of the Tender Document.	Specifications of quoted Model/ Item	Compliance  Whether “YES” Or “NO”	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1					
2					
3					
n					



ANNEXURE – C

**BID SECURITY FORM**

Whereas ..... (Hereinafter called “the tenderer”) has submitted their offer dated .....for the supply of ..... (Hereinafter called “the tender”) against the purchaser’s tender enquiry No. \_\_\_\_\_

KNOW ALL MEN by these presents that WE ..... (Name of bank) of ..... (Name of country), having our registered office at ..... (Address of bank) (Hereinafter called the “Bank”), are bound unto ... (Name of purchaser) (Hereinafter called “the purchaser”) in the sum of ..... for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ..... day of..... 20.....

**THE CONDITIONS OF THESE OBLIGATIONS ARE:**

If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.

1. If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
2. If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity.
3. If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
4. Fails or refuses to accept/execute the contract..

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchase will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

The guarantee shall remain in force up to and including forty five (45) days after the period of the bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

**Signature of the authorized officer of the Bank)**

**Name and Designation of the Officer**

Seal, Name & Address of the Bank and address of the branch

ANNEXURE – D

MANUFACTURER’S AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer]

Date: [Insert date (as Day, month and year) of Bid submission]

Tender No.: [Insert number from Invitation for Bids]

To: [Insert complete name and address of Purchaser]

WHEREAS

We [insert completer name of Manufacturer], who are official manufacturers of [Insert type of goods manufactured] having factories at [insert full address of Manufacturer’s factories], do hereby authorize [insert complete name of 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 sign the contract.

We hereby extend our full guarantee and warranty in accordance with the Terms and 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 representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this Authorization on behalf of: [insert complete name of Bidder]

Dated on \_\_\_\_\_ day of \_\_\_\_\_ [insert date of signing]

ANNEXURE – E

CERTIFICATE  
ON COMPANY LETTERHEAD

CERTIFICATE BY BIDDER- DPIIT REGISTRATION

“ I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from such a country or, / if from such a county, has been registered with the Competent Authority (copy of the Registration Certificate enclosed) . I hereby certify that his bidder fulfils all requirements in this regard and is eligible to be considered.

Signature with Date and Stamp  
Of the Bidder

### Declaration for Local Content

(To be given on Company Letter Head - For tender value below Rs.10 Crores)

(To be given by Statutory Auditor/Cost Auditor/Cost Accountant/CA for tender value above Rs.10 Crores)

Date: \_\_\_\_\_

To,  
The Director,  
Indian Institute of Technology Hyderabad,  
Kandi, Sangareddy 502284

Sub: Declaration of Local content

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: - \_\_\_\_\_

1. Country of Origin of Goods being offered: \_\_\_\_\_

2. We hereby declare that items offered has \_\_\_\_\_% local content (**Please provide exact %**).

3. Details of location at which local value addition will be made / made: (Complete address to be mentioned) \_\_\_\_\_

\_\_\_\_\_  
“**Local Content**” means the amount of value added in India which shall, be the total value of the item being offered minus the value of the imported content in the item (including all customs duties) as a proportion of the total value, in percent.

“**\*False declaration will be in breach of Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rules for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.**”

**Yours Faithfully,**  
**(Signature of the Bidder, with Official Seal)**

ANNEXURE – G

BIDDER INFORMATION FORM

Company Name : \_\_\_\_\_

Registration Number : \_\_\_\_\_

Registered Address : \_\_\_\_\_

Name of Partners /Director: \_\_\_\_\_

City : \_\_\_\_\_

Postal Code : \_\_\_\_\_

Company's Establishment Year : \_\_\_\_\_

Company's Nature of Business : \_\_\_\_\_

Company's Legal Status (tick on appropriate option )

- 1) Limited Company
- 2) Undertaking
- 3) Joint Venture
- 4) Partnership
- 5) Others ( In case of Others please specify)

Company Category

- 1) Micro Unit as per MSME
- 2) Small Unit as per MSME
- 3) Medium Unit as per MSME
- 4) Ancillary Unit
- 5) SSI
- 6) Others ( In case of Others please specify)

#### CONTACT DETAILS

Contact Name : \_\_\_\_\_

Email Id : \_\_\_\_\_

Designation : \_\_\_\_\_

Phone No : ( \_\_\_\_\_ ) \_\_\_\_\_

Mobile No : \_\_\_\_\_

#### BANK DETAILS

Name of Beneficiary : \_\_\_\_\_

A/c. No. CC/CD/SB/OD: \_\_\_\_\_

Name of Bank : \_\_\_\_\_

IFSC NO. (Bank) : \_\_\_\_\_

Branch Address and Branch Code: \_\_\_\_\_

\_\_\_\_\_

#### Other Details

Vendor's PAN No. \_\_\_\_\_

Vendor's GST \_\_\_\_\_

ANNEXURE – H

**ACCEPTANCE OF TENDER TERMS**  
(To be given on Company Letter Head)

Date: DD/MM/YYYY

To,

The Director  
Indian Institute of Technology Hyderabad  
Kandi – 502 285.Telangana, India

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender / Work: -

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender' from the web site(s) namely \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

5. I / We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)



## BILL OF MATERIALS

Quotation No :

Date:

Name of the Bidder \_\_\_\_\_

Tender No. \_\_\_\_\_

Sr.No	Item Description	Country of Origin	Qty
1			
2			
3			
n			

### Other Terms & Conditions

- 1 Payment terms :
- 2 Delivery Period from the date of Issue of PO :
- 3 Warranty :
- 4 Any other additional terms :
- 5 Order to be placed in the name of :