

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	03-10-2024 12:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	03-10-2024 12:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Science And Technology
Department Name/विभाग का नाम	Department Of Science And Technology (dst)
Organisation Name/संगठन का नाम	Indian Institute Of Geomagnetism
Office Name/कार्यालय का नाम	Mumbai
Total Quantity/कुल मात्रा	2
Item Category/मद केटेगरी	GNSS RECEIVER FOR REFERENCE STATION (Q3)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	14 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	14 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No

Bid Details/बिड विवरण	
Past Performance/विगत प्रदर्शन	50 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	Bank of India
EMD Amount/ईएमडी राशि	84000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	36

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित कैटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने हैं। एमएसई कैटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

Director
Indian Institute of Geomagnetism, New Panvel
(Director)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Preference to Make In India products (For bids < 200 Crore): Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.
[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
5. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents

submitted.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

7. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- If number of technically qualified bidders are only 2 or 3.
- If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

GNSS RECEIVER FOR REFERENCE STATION (2 pieces)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
RECEIVER FEATURES & FUNCTIONS	Mode of Processing	Static & Fast Static, Real Time Kinematic (RTK), Both Static & Fast Static and Real Time Kinematic (RTK)
	"RTK processing (hint: Network RTK Correction - All Commonly available industry standard Network Solution)"	Single Base RTK Correction, Network RTK Correction, Both Single Base RTK Correction & Network RTK Correction
	Antenna Type	Choke Ring with DM element, Choke Ring, Geodetic
	Phase centre Accuracy	Less than 1 mm, Less than 2 mm, NA
	Phase centre Repeatability	Less than 1 mm, Less than 2 mm, NA
RECEIVER POSITIONING PERFORMANCE & ACCURACY (RMS)	Differential GPS (DGPS) Accuracy - (Horizontal)	NA, 40 cm + 1 ppm, 30 cm + 1 ppm, 25 cm + 1 ppm Or higher
	Differential GPS (DGPS) Accuracy - (Vertical)	NA, 60 cm + 1 ppm, 50 cm + 1 ppm, 45 cm + 1 ppm, 40 cm + 1 ppm Or higher
	High Precision / Long Observation Static Accuracy - (Horizontal)	NA, 3 mm + 0.5 ppm, 3 mm + 0.1 ppm Or higher
	High Precision / Long Observation Static Accuracy - (Vertical)	NA, 6 mm + 0.5 ppm, 3.5 mm + 0.4 ppm Or higher
	Static and Fast Static Accuracy - (Horizontal)	NA, 10 mm + 1 ppm, 8 mm + 1 ppm, 5 mm + 1 ppm, 5 mm + 0.5 ppm, 3 mm + 1 ppm, 3 mm + 0.5 ppm, 3 mm + 0.1 ppm Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Static and Fast Static Accuracy -(Vertical)	NA, 15 mm + 1 ppm, 10 mm + 0.5 ppm, 5 mm + 0.5 ppm, 3.5 mm + 0.4 ppm, 2.5 mm + 1 ppm, 2.5 mm + 0.5 ppm Or higher
	Real-Time Kinematic (RTK) Accuracy - (Horizontal)	NA, 10 mm + 1 ppm, 10 mm + 0.5 ppm, 8 mm + 1 ppm, 8 mm + 0.5 ppm, 6 mm + 0.5 ppm, 5 mm + 0.5 ppm Or higher
	Real-Time Kinematic (RTK) Accuracy - (Vertical)	NA, 20 mm + 1 ppm, 15 mm + 1 ppm, 15 mm + 0.5 ppm, 10 mm + 1 ppm, 10 mm + 0.8 ppm Or higher
RECEIVER TRACKING CAPABILITIES	"Base Line Processing Range (Static) (May indicate '0' if Not Applicable)"	0, 50, 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000 Or higher (kilometer)
	Maximum Position Update Rate(Hz)	10 - 100
	MET/Tilt Sensor input	Yes, No
GNSS TRACKING SIGNALS	SBAS Support	GAGAN, WAAS, EGNOS, MSAS, NA
POST PROCESSING SOFTWARE / ON-BOARD SOFTWARE FEATURES	Post Processing Software with free updates upto Warranty period inclusive in the scope of supply	Yes, NA
	On-Board Software Features	support the configurable input, output and logging of Met/Tilt measurements, Web Interface for full control, Configuration and access management of receiver, Support remote configuration, Data retrieval and firmware upgrading, Configurable email alert functionality, Secure Access via HTTPS, SSL Certificates, support IP filtering, restricting IP packet access to and from the receiver for enhanced access control security, Support FTP downloads as well as the FTP Push command, Capable of pushing logged and converted data files to three separate FTP servers, NTRIP Caster, NTRIP Client and NTRIP Server functionality
COMMUNICATIONS	Phone Modem Antenna	Internal Antenna, External Antenna, NA
	Radio Modem Antenna	Internal Antenna, External Antenna, NA
RAM / STORAGE	Data Storage Medium	Internal/Removable, External / Memory Stick
	Internal / Removable Storage Capacity	NA for External Storage, 4 GB, 8 GB, 16 GB, 32 GB Or higher
	External Storage / Memory Stick Capacity supplied with Receiver - inclusive in the scope of supply	0, 16, 32 Or higher (gigabyte)
BATTERY	Power Source	Internal / Removable- Rechargeable Battery, External - Rechargeable Battery
	Chemistry of Battery	Li-ion, Ni-MH, Lead-Acid, SMF
	Capacity of Battery (Ah)	3.6 - 100

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Number of Batteries Supplied	1, 2, 4 Or higher
OTHER FEATURES & FUNCTIONS OF THE RECEIVER	Other Features & Functions	Base Station serves multiple Rovers, Base Station Compatible to Base / Rovers of other makes, Interchangeable / Configurable as Base or Rover, Provision to Indicate the Connectivity with Base Station, Multi-path Mitigation for Receiver and Antenna, All Control functions available with Receiver, Automatic restart Functionality after loss of power in the same configuration, Supports 12 V External Battery; Supporting both AC and DC operation (with a minimum input power range of 10-28 VDC), Hot - Swappable b/w External and Internal Power Sources without affecting Data Recording
GENERIC	Radio Power	0 - 35 (Watt)
ENVIRONMENTAL PARAMETERS	Minimum Operating Temperature	-10, -20, -30, -40 Or lower (degree Celsius)
	Maximum Operating Temperature	60, 65 Or higher (degree Celsius)
	Non Condensing Humidity, Rh	95, 100 Or higher (percent)
	Ingress Protection	IP 66, IP 67, IP 68 Or higher
ACCESSORIES	Accessories - inclusive in the scope of supply	USB Data Transfer Cable, Connectors and Cables for Connecting to Car Batteries, Suitable Battery Charger to rechargeable batteries from AC Mains, 12 V Vehicle Charging Kit, Light Weight carrycase, NA
	Length of suitable connecting Cable for Antenna (meters) - inclusive in the scope of supply	10, 30, 50 Or higher
INSTALLATION & COMMISSIONING & STC	Installation & Commissioning	With installation & Commissioning, Without installation & Commissioning
	STC of the product read, understood and agreed	Yes, NA fo Without installation & Commissioning
WARRANTY / TRAINING	On-site Warranty	1, 2, 3 Or higher (year)
	Training Period - Provided at at Buyer's Premises	0, 3, 5 Or higher (day)
TEST REPORTS	Agreed to furnish OEM Test report to the Buyer on demand	Yes, NO
	Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification	Yes, No

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Tushar Tukaram Gavas	410218, Indian Institute of Geomagnetism, Plot No. 5, Sector - 18, Near Kalamboli (Highway), New Panvel (West), Navi Mumbai 410218	2	30

Buyer added Bid Specific Additional Scope of Work

S.No.क्र.सं.	Document Title	Description	Applicable/रिवर्स प्रभार के अनुसार जीएसटी i.r.o. Items
1	Specification sheet for compliance View	Bidder have to complied the attached scope of work and product specification.	GNSS RECEIVER FOR REFERENCE STATION(2)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Special terms and conditions-Version:1 effective from 04-05-2020 for category GNSS RECEIVER FOR REFERENCE STATION**1. 1.1. SELER'S RESPONSIBILITIES:**

The Scope of installation and Commissioning for GNSS Receiver for Reference Station shall be as under:
Inclusive in the Scope of Installation & Commissioning:

1. Fixing the GNSS Receiver for Reference Station /Base Station and antenna on already built Platform / Pillar / Monument provided by the consignee.
2. Laying & Installation of suitable Antenna cable as applicable.
3. Supply, Laying & Installation of suitable Electrical Cable, if required, between the Base Station and Power Socket.
4. All necessary accessories for laying & installation of Antenna Cabling and Electrical cabling.
5. Installation, Commissioning & Demonstration of the Base station to the satisfaction of the buyer / consignee.
6. Providing Training to the buyer's representatives after successful installation & Commissioning of the equipment, if applicable.

1.2. CONSIGNEE / USER'S RESPONSIBILITIES:

1. Providing built-up Platform / Pillar / Monument for installation & commissioning of the Base Station.
2. Civil work for Foundation of Platform / Pillar / Monument and Electrical earthing, wherever required.
3. Providing AC Mains power supply and providing Inverter / Generator, if backup is required.
4. Providing Server / Desktop Computer / Laptop as per the end user's requirement.
5. Necessary approvals from regulatory authorities, if any, for installation of the Base Station.

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1. Product data sheet with BOQ compliance is mandatory.
2. After Supply and Installation, Vendor have to provide onsite training for at least three day s.

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.

13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---