

**बिड दस्तावेज़ / Bid Document**

बिड विवरण / Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	08-12-2025 20:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	08-12-2025 20:30:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Ministry Of Defence
विभाग का नाम/Department Name	Department Of Defence
संगठन का नाम/Organisation Name	Border Road Organisation
कार्यालय का नाम/Office Name	*****
कुल मात्रा/Total Quantity	5
वस्तु श्रेणी /Item Category	Controller for Global Navigation Satellite System (GNSS) (Q3) , Receiver for Global Navigation Satellite System (GNSS) (V1) (Q2)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	31 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	125 Lakh (s)
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Exemption for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Exemption for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),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

बिड विवरण/Bid Details	
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ मेनू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	Yes (Documents submitted as part of a clarification or representation during the tender/bid process will also be displayed to other participated bidders after log in)
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	3
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	80 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
प्राथमिक उत्पाद श्रेणी/Primary product category	Receiver for Global Navigation Satellite System (GNSS) (V1)
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

#### ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	190000

#### ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	1.00

ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).

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(a). जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने है। एमएसई केटेगरी 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।/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.

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

#### लाभार्थी /Beneficiary :

Cdr 758 BRTF

758BRTF, Department of Defence, Border Road Organisation, Ministry of Defence

(Col B Karansingh)

बोली विभाजन लागू नहीं किया गया/ Bid splitting not applied.

#### एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20
मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

#### एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में हो / Purchase Preference to MSE OEMs available upto price within $L1+X\%$	15

सूक्ष्म और लघु उद्यम को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MSE purchase preference	25
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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 of the product offered in the bid {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 and delivery acceptance certificates like CRAC 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. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and

for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% 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.

8. 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:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. 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
- v. 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

### **Controller For Global Navigation Satellite System (GNSS) ( 2 pieces )**

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

#### **तकनीकी विशिष्टियाँ /Technical Specifications**

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

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
COMPATIBLE MAKE / MODEL	<b>Compatible MAKE of GNSS Receiver (Hint:- Sellers may send a request along with product brochure / URL and Datasheets to GeM to add Other makes)</b>	Leica
CONTROLLER SOFTWARE AND FEATURES	<b>Field Software with free updates upto warranty period inclusive in the scope of supply Controller</b>	Yes
	<b>Allow Configurable Survey Style for Static Mode</b>	Yes
	<b>Allow Configurable Survey Style for Post - Processed Kinematic (PPK) Mode</b>	Yes
	<b>Allow Configurable Survey Style for Real - Time Kinematic (RTK) Mode</b>	Yes
	<b>Allow Configurable Survey Style for Stand alone L-band Processing mode and and satellite based correction</b>	Yes

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Capable of Multi-tasking so that Multiple Operations can be Opened at a time, eg, COGO, Stakeout, Point Manager etc	Yes
	Datum and Projection Support and Support Grid Coordinates	Yes
	Graphical Support to Visualize Work while Working	Yes
	"Support Feature Coding with Attributes for GIS Data Collection, 3D Control coding possible for automatic plot creation "	Yes
	Support COGO Functionality and Able to Key in Lines, Sub Divide Lines and Creating Parallel Lines for Staking out Purpose	Yes
	User Friendly and Menu Driven for Easy Field Operation	Yes
	Able to Store GNSS Data Collected by the RTK System	Yes
	Able to email Data Collected in the Field in case Facility is Available and Able to Import & Export User Configurable Files for Effective GIS Support	Yes
	"Support Graphical Stakeout, for Points, Lines and DTM as well and Able to Perform Real Time"	Yes
	Able to Accept Background Maps in CAD Format	Yes
	Ability to Convert Grid to Ground and Vice Versa Conversion Onboard	Yes
INTEGRATED PERIPHERALS/ CONNECTIVITY	Camera	With
	Flash	Yes
	Integrated GPS	No
	Integrated Compass	Yes
	Integrated Accelerometer	Yes

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	<b>Integrated Cellular Modem</b>	Yes
	<b>SBAS Support</b>	Yes
	<b>Audio Jack</b>	No
RAM / STORAGE	<b>Memory - RAM</b>	2 GB
	<b>Internal Storage Capacity</b>	4 GB
DISPLAY / KEYPAD	<b>Type of Display</b>	TFT
	<b>Colour Display</b>	Yes
	<b>Touch Screen Display</b>	Yes
	<b>Sunlight-readable Display</b>	Yes
	<b>Display Resolution</b>	WVGA
	<b>Display Size(in inch)</b>	5.0 to 5.4
	<b>Alha-Numeric full QWERTY Hard Keypad</b>	Yes
BATTERY	<b>Power Source</b>	Internal - Rechargeable Battery
	<b>Controller Supports 12 V External Battery</b>	No
	<b>Chemistry of Battery</b>	Li-ion
	<b>Battery Back Up Time</b>	8, 10, 12, 15, 16, 20, 24, 30, 34, 36 Or higher <b>(hour)</b>
	<b>Number of Batteries required for operation</b>	1
	<b>Number of Batteries Supplied</b>	2, 4, 6, 8 Or higher
	<b>Battery Charger for Rechargeable Batteries inclusive in the scope of supply</b>	Yes
	<b>12 V Vehicle Charging Kit inclusive in the scope of supply</b>	No
	<b>Hot - Swappable b/w External and Internal Power Sources without affecting Data Recording</b>	NA
OPERATING CONDITIONS	<b>Minimum Operating Temperature</b>	-30, -40 Or lower <b>(centidegree Celsius)</b>
	<b>Maximum Operating Temperature</b>	60, 65, 70, 75 Or higher <b>(centidegree Celsius)</b>
	<b>Non Condensing Humidity, Rh</b>	95, 100 Or higher <b>(percent)</b>
WARRANTY / TRAINING	<b>Warranty</b>	1, 2, 3 Or higher <b>(year)</b>

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	<b>Training Type</b>	At Buyer's Premises
	<b>Training Period</b>	3.0 (day)
TEST REPORTS	<b>Compliance to Dust test</b>	MIL-STD-810 F, MILSTD-810 G, IEC-60529 or Equivalent Specn
	<b>Compliance to Water Intrusion test</b>	MIL-STD-810 F, MILSTD-810 G, IEC-60529 or Equivalent Specn
	<b>Compliance to Vibration / Shock test</b>	MIL-STD-810 F, MILSTD-810 G
	<b>Availability of Test Reports from Central Govt / NABL approved / ILAC accredited Lab to prove conformity to the specification</b>	No

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

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	*****	*****East Sikkim	2	60

**Receiver For Global Navigation Satellite System (GNSS) (V1) ( 2 pieces )**

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

**तकनीकी विशिष्टियाँ /Technical Specifications**

[\\* जेम केटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
RECEIVER POSITIONING PERFORMANCE & ACCURACY (RMS)	<b>Differential GPS (DGPS) Accuracy - (Horizontal)</b>	25 cm + 1 ppm
	<b>Differential GPS (DGPS) Accuracy - (Vertical)</b>	50 cm + 1 ppm
	<b>High Precision / Long Observation Static Accuracy - (Horizontal)</b>	3 mm + 0.1 ppm
	<b>High Precision / Long Observation Static Accuracy - (Vertical)</b>	3.5 mm + 0.4 ppm



विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	<b>Static and Fast Static Accuracy - (Horizontal)</b>	3 mm + 0.5 ppm
	<b>Static and Fast Static Accuracy -(Vertical)</b>	5 mm + 0.5 ppm
	<b>Real-Time Kinematic (RTK) Accuracy - (Horizontal)</b>	8 mm + 1 ppm
	<b>Real-Time Kinematic (RTK) Accuracy - (Vertical)</b>	15 mm + 1 ppm
	<b>Stand alone L-band Accuracy via satellite based correction (95%) - (Horizontal)</b>	Less than 5 cm
	<b>Stand alone L-band Accuracy via satellite based correction (95%) - (Vertical)</b>	Less than 10 cm
RECEIVER FEATURES & FUNCTIONS	<b>Receiver Type</b>	Rover
	<b>Mode of Processing</b>	RTK with Network RTK Correction
	<b>Receiver salient Features - inclusive in the scope of supply</b>	Interchangeable / Configurable as Base or Rover, Base Station able to serve multiple Rovers, Provision to Indicate the Connectivity with Base Station, RTK processing, Built-in stand alone L-band facility and satellite based correction, Integrated receiver Antenna, Multi-path Mitigation for Receiver Antenna, All Control functions available with receiver
RECEIVER TRACKING CAPABILITIES	<b>Base Line Processing Range (Static) (Kilometer)</b>	500.0 ( <b>kilometer</b> )
	<b>Number of Channels</b>	555, 672 Or higher
	<b>Maximum Position Update Rate (Hertz)</b>	20.0 ( <b>Hertz</b> )
	<b>Tilt Sensor</b>	Yes
GNSS TRACKING SIGNALS (RECEIVER)	<b>NAVIC Tracking Signals</b>	NA, Upgradable to IRNSS L5 and S band
	<b>Galileo Tracking Signals</b>	E1, E5 a, E5 b, E5 ab, E6, NA
	<b>BeiDou Tracking Signals</b>	B1, B2, B3, NA
	<b>L-band tracking Signals</b>	Terrastar, NA
	<b>SBAS Support</b>	GAGAN, WAAS, EGNOS, MSAS, NA
SOFTWARES	<b>Subscription license for satellite based correction - inclusive in the scope of supply</b>	Yes
	<b>If Yes, Validity of License period (Subscription license for satellite based correction ) (Year)</b>	0.0 ( <b>year</b> )

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	<b>Post Processing Software with free updates upto Warranty period - inclusive in the scope of supply</b>	NA
	<b>If Yes, Validity of License period (Post Processing Software with free updates upto Warranty period ) (Year)</b>	0.0 (year)
COMMUNICATIONS	<b>Phone Modem Antenna</b>	Internal Antenna
	<b>Radio Modem Antenna</b>	Internal Antenna
RAM / STORAGE	<b>Data Storage Medium</b>	Internal
	<b>Internal Storage Capacity</b>	1 GB
	<b>External / Removable Storage Slot</b>	SD, Micro SD
	<b>External / Removable Storage Card Capacity supplied with Receiver (GB) - inclusive in the scope of supply</b>	8, 16, 32 Or higher ( <b>gigabyte</b> )
BATTERY	<b>Power Source</b>	Internal - Rechargeable Battery
	<b>Supports 12 V External Battery</b>	No
	<b>Chemistry of Battery</b>	Li-ion
	<b>Battery Back Up Time (Hour)</b>	8, 10, 12, 16 Or higher ( <b>hour</b> )
	<b>Number of Batteries required for operation</b>	1
	<b>Number of Batteries Supplied</b>	2, 4, 6, 8 Or higher
	<b>Battery Chargers for Rechargeable Batteries (inclusive in the scope of supply)</b>	Yes
	<b>12 V Vehicle Charging Kit inclusive in the scope of supply</b>	No
	<b>Hot - Swappable b/w External and Internal Power Sources without affecting Data Recording</b>	Yes
ENVIRONMENTAL PARAMETERS	<b>Minimum Operating Temperature</b>	-10, -15, -20, -25, -30, -40 Or higher ( <b>degree Celsius</b> )
	<b>Maximum Operating Temperature</b>	65, 70, 75 Or higher ( <b>degree Celsius</b> )

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	Non Condensing Humidity, Rh	95, 100 Or higher (percent)
ACCESSORIES	Accessories (inclusive in the scope of supply)	Clamp for Controller, Stop and Go Pole, USB Data Transfer Cable
WARRANTY / TRAINING	Warranty (year)	1, 2, 3 Or higher (year)
	Training Type	At Buyer's Premises
	Training Period (day)	3, 5, 7, 10, 15 Or higher (day)

**Additional Specification Parameters - Receiver For Global Navigation Satellite System (GNSS) (V1) ( 2 pieces )**

Specification Parameter Name	Bid Requirement (Allowed Values)
Camera	Receiver should have inbuilt camera

\* Bidders offering must also comply with the additional specification parameters mentioned above.

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

क्र.सं./S.N o.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	*****	*****East Sikkim	2	60

**Receiver For Global Navigation Satellite System (GNSS) (V1) ( 1 pieces )**

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

**तकनीकी विशिष्टियाँ /Technical Specifications**

[\\* जेम कटेगरी विशिष्टि के अनुसार / As per GeM Category Specification](#)

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
RECEIVER POSITIONING PERFORMANCE & ACCURACY (RMS)	Differential GPS (DGPS) Accuracy - (Horizontal)	25 cm + 1 ppm
	Differential GPS (DGPS) Accuracy - (Vertical)	50 cm + 1 ppm
	High Precision / Long Observation Static Accuracy - (Horizontal)	3 mm + 0.1 ppm

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	<b>High Precision / Long Observation Static Accuracy - (Vertical)</b>	3.5 mm + 0.4 ppm
	<b>Static and Fast Static Accuracy - (Horizontal)</b>	3 mm + 0.5 ppm
	<b>Static and Fast Static Accuracy -(Vertical)</b>	5 mm + 0.5 ppm
	<b>Real-Time Kinematic (RTK) Accuracy - (Horizontal)</b>	8 mm + 1 ppm
	<b>Real-Time Kinematic (RTK) Accuracy - (Vertical)</b>	15 mm + 1 ppm
	<b>Stand alone L-band Accuracy via satellite based correction (95%) - (Horizontal)</b>	Less than 5 cm
	<b>Stand alone L-band Accuracy via satellite based correction (95%) - (Vertical)</b>	Less than 10 cm
RECEIVER FEATURES & FUNCTIONS	<b>Receiver Type</b>	Rover compatible to other makes of Base/Rover
	<b>Mode of Processing</b>	RTK with Network RTK Correction
	<b>Receiver salient Features - inclusive in the scope of supply</b>	Interchangeable / Configurable as Base or Rover, Base Station able to serve multiple Rovers, Provision to Indicate the Connectivity with Base Station, RTK processing, Built-in stand alone L-band facility and satellite based correction, Integrated receiver Antenna, Multi-path Mitigation for Receiver Antenna, All Control functions available with receiver
RECEIVER TRACKING CAPABILITIES	<b>Base Line Processing Range (Static) (Kilometer)</b>	500.0 ( <b>kilometer</b> )
	<b>Number of Channels</b>	555, 672 Or higher
	<b>Maximum Position Update Rate (Hertz)</b>	20.0 ( <b>Hertz</b> )
	<b>Tilt Sensor</b>	No
GNSS TRACKING SIGNALS (RECEIVER)	<b>NAVIC Tracking Signals</b>	L5
	<b>Galileo Tracking Signals</b>	E1, E5 a, E5 b, E5 ab, E6
	<b>BeiDou Tracking Signals</b>	B1, B2, B3
	<b>L-band tracking Signals</b>	Terrastar
	<b>SBAS Support</b>	GAGAN, WAAS, EGNOS, MSAS
SOFTWARES	<b>Subscription license for satellite based correction - inclusive in the scope of supply</b>	Yes

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
	If Yes, Validity of License period (Subscription license for satellite based correction ) (Year)	0.0 (year)
	Post Processing Software with free updates upto Warranty period - inclusive in the scope of supply	Yes
	If Yes, Validity of License period (Post Processing Software with free updates upto Warranty period ) (Year)	0.0 (year)
COMMUNICATIONS	Phone Modem Antenna	Internal Antenna
	Radio Modem Antenna	Internal Antenna
RAM / STORAGE	Data Storage Medium	Internal
	Internal Storage Capacity	1 GB
	External / Removable Storage Slot	SD
	External / Removable Storage Card Capacity supplied with Receiver (GB) - inclusive in the scope of supply	16, 32 Or higher (gigabyte)
BATTERY	Power Source	Internal - Rechargeable Battery
	Supports 12 V External Battery	Yes
	Chemistry of Battery	Li-ion
	Battery Back Up Time (Hour)	8, 10, 12, 16 Or higher (hour)
	Number of Batteries required for operation	1
	Number of Batteries Supplied	2, 4, 6, 8 Or higher
	Battery Chargers for Rechargeable Batteries (inclusive in the scope of supply)	Yes
	12 V Vehicle Charging Kit inclusive in the scope of supply	Yes
	Hot - Swappable b/w External and Internal Power Sources without affecting Data Recording	Yes

विवरण/Specification	विशिष्टि का नाम /Specification Name	बिड के लिए आवश्यक अनुमत मूल्य /Bid Requirement (Allowed Values)
ENVIRONMENTAL PARAMETERS	Minimum Operating Temperature	-10, -15, -20, -25, -30, -40 Or higher (degree Celsius)
	Maximum Operating Temperature	65, 70, 75 Or higher (degree Celsius)
	Non Condensing Humidity, Rh	95, 100 Or higher (percent)
ACCESSORIES	Accessories (inclusive in the scope of supply)	Clamp for Controller, Stop and Go Pole, USB Data Transfer Cable
WARRANTY / TRAINING	Warranty (year)	1, 2, 3 Or higher (year)
	Training Type	At Buyer's Premises
	Training Period (day)	3, 5, 7, 10, 15 Or higher (day)

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

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	*****	*****East Sikkim	1	60

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

**1. Generic**

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

Manul North Sikkim in AOR of 107 RCC/758 BRTF

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**2. Generic**

**Bidder financial standing:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

**3. Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 3 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

4. **Generic**

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

5. **Generic**

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

6. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

7. **Generic**

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 3 years 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 year. In case of bunch bids, the primary product having highest value should meet this criterion.

8. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

9. **Generic**

**Manufacturer Authorization:**Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

10. **Generic**

**NON DISCLOSURE DECLARATION CERTIFICATE (On Bidder Letter Head) to be uploaded with bid:**

1. I M/s.

(Bidder name including address and GSTIN detail)

hereby declare that I shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party during and after expiry of Contract.

2. If defying the norms as per the Contract a legal action may be taken against me as per the existing Rules.

11. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 50 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity up to 50% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the

additional time shall commence from the last date of extended delivery period. The additional delivery time shall be  $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$ , subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

## 12. **Generic**

Scope of supply includes Training: Number of employees to be trained

5

, Place for Training

Manul, North Sikkim in AOR of 107 RCC/758 BRTF

and Duration of training

4

days.

## 13. **Generic**

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

## 14. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

## 15. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

## 16. **Inspection**

**Nominated Inspection Agency:** On behalf of the Buyer organization, any one of the following Inspection Agency would be conducting inspection of stores before acceptance:

Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC):

NA

Post Receipt Inspection at consignee site before acceptance of stores:  
By Board of Officers

## 17. **Sample Clause**



After award of contract – Successful Bidder shall have to get advance sample approved from buyer before bulk manufacturing / starting bulk supplies. Successful Bidder shall submit

1

samples for Buyer's approval, within 5 days of award of contract. Buyer shall, as per contract specifications framework, either approve the advance sample or will provide complete list of modification required in the sample within 7 days of receipt of advance sample. Seller shall be required to ensure supply as per approved sample with modifications as communicated by Buyer. If there is delay from buyer side in approval of advance sample – the delivery period shall be refixed without LD for the period of delay in sample approval. In case, the sample is found to have major deviations / not conforming to the Contract specifications, the buyer at its discretion may call for fresh samples for approval before allowing bulk supplies or may terminate the contract after notifying the deviations to the seller.

Unless otherwise provided in the contract, all samples required for test shall be supplied by the contractor free of cost. Where under the contract, the contractor is required to submit an advance sample, any expenses incurred by the contractor on or in connection with the production of stores in bulk, before the sample has been approved unconditionally shall be borne by the Seller and he shall not claim any compensation in the event of such sample being found unacceptable by the Buyer / Consignee.

#### 18. **Forms of EMD and PBG**

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

Cdr 758 BRTF  
payable at  
Gangtok Sikkim

Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

#### 19. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

Cdr 758 BRTF  
payable at  
Gangtok Sikkim

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

#### 20. **Financial Criteria**

**NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.

#### 21. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

#### 22. **Certificates**

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

#### 23. **Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

#### 24. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

## 25. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

Bidders Should upload scanned copy of latest Calibration Certificate of offered product in bid alongwith bid document.

## 26. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. The Commander, 758 BRTF will be the Accepting Officer hereinafter referred to as such, for the purpose of this bid.
2. The Accepting Officer reserves the right to accept or reject the tender at any stage without assigning any reason.
3. The bidders are requested to quote their rate only branded items of offered product in this bid.
4. Resellers must have authorization certificate from OEM and brand to be supplied by them.
5. The Bidder should submit proof for successful Executed/completed work in BRO in last 3 (three) Financial Year for offered product in bid docs or similar items for 60% of bid quantity. In this regards Bidder shall submit work completion certificate or copies of relevant contract with invoice and Consignee Receipt and acceptance Certificate (CRAC).
6. The Bidder should submit successful Executed/completed work in any Central/State Govt Organization / PSU/Public listed Company in last 3 (three) Financial Year for offered product in bid docs or similar items for 60% of bid quantity. In this regards Bidder shall submit work completion certificate or copies of relevant contract with invoice and Consignee Receipt and acceptance Certificate (CRAC).
7. Unit price (inclusive of tax), GST & HSN Code will be mandatorily filled by the seller. In case of non compliance the Bid will be rejected.

## 27. **Turnover**

Bidder Turn Over Criteria: 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 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.

## 28. **Turnover**

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. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

## 29. **Service & Support**

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of

documentary evidence of having Functional Service Centre.

**30. Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

**31. Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

**32. Warranty**

Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

**33. Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

## अस्वीकरण/Disclaimer

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.
15. Buyer added ATC Clauses which are in contravention of clauses defined by buyer in system generated bid

template as indicated above in the Bid Details section, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by GeM GTC.

16. In a category based bid, adding additional items, through buyer added additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogs or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

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.

**All GeM Sellers / Service Providers are mandated to ensure compliance with all the applicable laws / acts / rules including but not limited to all Labour Laws such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972 etc. Any non-compliance will be treated as breach of contract and Buyer may take suitable actions as per GeM Contract.**

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

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 कार्यवाई का आधार होगा।/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.

---धन्यवाद/Thank You---