

**Bid Document/ बिड दस्तावेज़**

<b>Bid Details/बिड विवरण</b>	
<b>Bid End Date/Time/बिड बंद होने की तारीख/समय</b>	04-12-2023 17:00:00
<b>Bid Opening Date/Time/बिड खुलने की तारीख/समय</b>	04-12-2023 17:30:00
<b>Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)</b>	120 (Days)
<b>Ministry/State Name/मंत्रालय/राज्य का नाम</b>	Ministry Of Coal
<b>Department Name/विभाग का नाम</b>	Materials Management
<b>Organisation Name/संगठन का नाम</b>	Central Mine Planning And Design Institute Limited
<b>Office Name/कार्यालय का नाम</b>	Jharkhand
<b>Total Quantity/कुल मात्रा</b>	26
<b>Item Category/मद केटेगरी</b>	Receiver for Global Navigation Satellite System (GNSS) (V1) (Q2) , Controller for Global Navigation Satellite System (GNSS) (Q3)
<b>MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/</b>	Yes
<b>Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/</b>	Yes
<b>Document required from seller/विक्रेता से मांगे गए दस्तावेज़</b>	OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *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
<b>Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया</b>	Yes
<b>RA Qualification Rule</b>	H1-Highest Priced Bid Elimination
<b>ITC available to buyer/क्रेता के लिए उपलब्ध आईटीसी</b>	Yes
<b>Type of Bid/बिड का प्रकार</b>	Two Packet Bid
<b>Primary product category</b>	Receiver for Global Navigation Satellite System (GNSS) (V1)
<b>Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमति समय</b>	7 Days

<b>Bid Details/बिड विवरण</b>	
<b>Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)</b>	No
<b>Estimated Bid Value/अनुमानित बिड मूल्य</b>	18300000
<b>Payment Timelines</b>	Payments shall be made to the Seller within <b>21</b> days of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
<b>Evaluation Method/मूल्यांकन पद्धति</b>	Total value wise evaluation

#### **EMD Detail/ईएमडी विवरण**

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	366000

#### **ePBG Detail/ईपीबीजी विवरण**

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%)/ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months)/ईपीबीजी की अपेक्षित अवधि (महीने).	17

(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 केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज़ प्रस्तुत करने हैं। 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।

(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 :**

GM (MM)

Materials Management, Central Mine Planning and Design Institute Limited, Ranchi - 834008  
(Cmpdil Ranchi)

#### **Splitting/विभाजन**

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

#### **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. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. 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.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs 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 the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. 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. 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 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.

5. 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.

6. 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.

- 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

## Receiver For Global Navigation Satellite System (GNSS) (V1) ( 13 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 अंहता प्राप्त करने के लिए आवश्यक)

### Technical Specifications/तकनीकी विशिष्टियाँ

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
RECEIVER POSITIONING PERFORMANCE & ACCURACY (RMS)	<b>Differential GPS (DGPS) Accuracy - (Horizontal)</b>	25 cm + 1 ppm, 30 cm + 1 ppm, 35 cm + 1 ppm, 40 cm + 1 ppm, 45 cm + 1 ppm, 50 cm + 1 ppm, 60 cm + 1 ppm, NA
	<b>Differential GPS (DGPS) Accuracy - (Vertical)</b>	40 cm + 1 ppm, 45 cm + 1 ppm, 50 cm + 1 ppm, 60 cm + 1 ppm, 70 cm + 1 ppm, 80 cm + 1 ppm, 90 cm + 1 ppm, 100 cm + 1 ppm, NA
	<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
	<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, 5 cm, 7 cm, 10 cm, 12 cm, 14 cm, 16 cm, NA
RECEIVER FEATURES & FUNCTIONS	<b>Receiver Type</b>	Base, Rover, Base compatible to other makes of Base/Rover, Rover compatible to other makes of Base/Rover
	<b>Mode of Processing</b>	RTK with Network RTK Correction

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<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, No
	Position Acquisition Method	Float to Fix
GNSS TRACKING SIGNALS (RECEIVER)	GPS Tracking Signals	L1, L2, L2 C, L5
	GLONASS Tracking Signals	L1, L2, L2 C/A, L3
	<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
	<b>BeiDou Tracking Signals</b>	B1, B2, B3, NA
	<b>L-band tracking Signals</b>	Omnistar, Terrastar, Starfire, Atlas, RTX, 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, NA
	<b>If Yes, Validity of License period (Subscription license for satellite based correction ) (Year)</b>	0, 1, 2, 3, 4, 5, 6, 7, 8 ( <b>year</b> )
	<b>Post Processing Software with free updates upto Warranty period - inclusive in the scope of supply</b>	Yes, NA
	<b>If Yes, Validity of License period (Post Processing Software with free updates upto Warranty period ) (Year)</b>	0, 1, 2, 3, 4, 5, 6, 7, 8 ( <b>year</b> )
COMMUNICATIONS	Communication Ports	RS 232, Bluetooth, Combined LEMO, Wi-Fi / WLAN
	Communication Protocols	NMEA, RTCM 2.0, RTCM 3.0, CMR, CMR+
	<b>Phone Modem Antenna</b>	Internal Antenna
	<b>Radio Modem Antenna</b>	Internal Antenna

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Built-in Data Links - Phone & Radio Modems	LTE, UHF
	External Data Links Supported	GSM, GPRS, LTE, UMTS, HSDPA, UHF
RAM / STORAGE	<b>Data Storage Medium</b>	Internal
	<b>Internal Storage Capacity</b>	11 MB, 16 MB, 32 MB, 48 MB, 56 MB, 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB, 4 GB, 6 GB, 8 GB, 16 GB, NA for External / Removable Storage
	<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>	0, 2, 4, 8, 16, 32 Or higher ( <b>gigabyte</b> )
BATTERY	<b>Power Source</b>	Internal - Rechargeable Battery
	<b>Supports 12 V External Battery</b>	Yes, No
	<b>Chemistry of Battery</b>	Li-ion, Ni-MH, Alkaline
	<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, 2, 3, 4
	<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>	Yes, 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>	50, 55, 60, 65, 70, 75 Or higher ( <b>degree Celsius</b> )
	<b>Non Condensing Humidity, Rh</b>	75, 80, 85, 90, 95, 100 Or higher ( <b>percent</b> )
	Ingress Protection	IP 68 Or higher
ACCESSORIES	<b>Accessories (inclusive in the scope of supply)</b>	Clamp for Controller, Stop and Go Pole, Telescopic Tripod (Wooden), Tribrach with Optical Plummet and Adopter, USB Data Transfer Cable

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
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) ( 13 pieces )**

Specification Parameter Name	Bid Requirement (Allowed Values)
a) Receiver Type b) Post Processing Software c) Base Line Processing Range d) No of Channels e) Communication Protocols f) Built-in Data Links - Phone & Radio Modems g) External Data Links Supported h) Operation temperature	a) Total 5 sets (3 sets consist of 1 Base & 2 Rovers and 2 sets consist of 1 Base & 1 Rover) b) One per set- with free updates up to Warranty period c) 200 km or more (in Static) d) 500 or more e) NMEA, RINEX, RTCM 2.0, RTCM 3.0 f) GSM 4G (LTE or higher), UMTS, UHF g) GSM 4G (LTE or higher), GPRS, UHF h) Min- 0 Degree or less; Max- 60 Degree or more.
a) Data Storage Medium b) Internal Storage Capacity c) Internal and Removable Storage Card Capacity d) Support 12V External Battery e) Battery backup time f) Battery & Charger	a) Internal/ External/Removable b) 4GB or higher c) 32 GB or more & 2 nos. per receiver d) Yes & with 12 V Vehicle Charging Kit e) 8 hrs or more f) 2 nos. Battery & 1 charger/battery for each receiver.
a) Wooden Tripod b) Tribrach with Optical Plumbmet c) All cables & connectors d) Height Hook e) Light weight Carrycase /trolley	a) 1 no. per receiver b) 1 no. per receiver with Adopter c) 1 set per receiver d) 1 no. per receiver e ) 1 no. per receiver - for transporting equipment & accessories
LED Indicators	Battery, Storage Satellite Tracking, RT-in/ RT-out, BT, Power
Initialization Time	4 seconds or better

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

**Input Tax Credit(ITC)/इनपुट कर क्रेडिट(आईटीसी) and/ तथा Reverse Charge(RCM)/रिवर्स प्रभार (आरसीएम) Details**

ITC on GST/जीएसटी पर इनपुट कर क्रेडिट	ITC on GST Cess/जीएसटी उपकर कर क्रेडिट
100%	NA

**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	Jagdish Chandra Joshi	834008, MATERIAL MANAGEMENT DEPARTMENT, CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED, GONDWANA PLACE, KANKE ROAD, RANCHI- 834008	13	90

**Controller For Global Navigation Satellite System (GNSS) ( 13 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 अंहता प्राप्त करने के लिए आवश्यक)

**Technical Specifications/तकनीकी विशिष्टियाँ**

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

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
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, GeoMax, Topcon, Altus, Sokkia, Spectra Precision, Trimble, Stonex, Carlson, Hemisphere, Novatel, JAVAD, Septentrio, Ashtech, Navcom Technology, PENTAX, Magellan Navigation, Satlab, CHCNAV, Geozone, Naudiz, FOIF
CONTROLLER SOFTWARE AND FEATURES	<b>Field Software with free updates upto warranty period inclusive in the scope of supply Controller</b>	Yes
	<b>OS Version</b>	6.5 and above
	<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

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>Capable of Multi-tasking so that Multiple Operations can be Opened at a time, eg, COGO, Stakeout, Point Manager etc</b>	Yes
	<b>Datum and Projection Support and Support Grid Coordinates</b>	Yes
	<b>Graphical Support to Visualize Work while Working</b>	Yes
	<b>"Support Feature Coding with Attributes for GIS Data Collection, 3D Control coding possible for automatic plot creation "</b>	Yes
	<b>Support COGO Functionality and Able to Key in Lines, Sub Divide Lines and Creating Parallel Lines for Staking out Purpose</b>	Yes
	<b>User Friendly and Menu Driven for Easy Field Operation</b>	Yes
	<b>Able to Store GNSS Data Collected by the RTK System</b>	Yes
	<b>Able to email Data Collected in the Field in case Facility is Available and Able to Import &amp; Export User Configurable Files for Effective GIS Support</b>	Yes, No
	<b>"Support Graphical Stakeout, for Points, Lines and DTM as well and Able to Perform Real Time"</b>	Yes
	<b>Able to Accept Background Maps in CAD Format</b>	Yes, No
	<b>Ability to Convert Grid to Ground and Vice Versa Conversion Onboard</b>	Yes, No
<b>INTEGRATED PERIPHERALS/ CONNECTIVITY</b>	<b>Camera</b>	With
	<b>Camera Capacity (MP)</b>	5.0 to 5.9
	<b>Flash</b>	Yes
	<b>Integrated GPS</b>	Yes, No
	<b>Integrated Compass</b>	Yes

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>Integrated Accelerometer</b>	Yes
	<b>Integrated Cellular Modem</b>	Yes
	<b>SBAS Support</b>	Yes, No
	<b>Audio Jack</b>	Yes, No
	Connectivity	USB, RS 232, Bluetooth
RAM / STORAGE	<b>Memory - RAM</b>	1 GB
	<b>Internal Storage Capacity</b>	4 GB
DISPLAY / KEYPAD	<b>Type of Display</b>	LED, LCD, 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>	Yes
	<b>Chemistry of Battery</b>	Li-ion, Ni-MH, Alkaline
	<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, 2, 3, 4
	<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>	Yes, No
	<b>Hot - Swappable b/w External and Internal Power Sources without affecting Data Recording</b>	Yes, No, NA
	<b>Minimum Operating Temperature</b>	-10, -15, -20, -25, -30, -40 Or lower ( <b>centidegree Celsius</b> )
OPERATING CONDITIONS	<b>Maximum Operating Temperature</b>	50, 55, 60, 65, 70, 75 Or higher ( <b>centidegree Celsius</b> )

Specification	Specification Name/विशेषि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	<b>Non Condensing Humidity, Rh</b>	75, 80, 85, 90, 95, 100 Or higher (percent)
WARRANTY / TRAINING	<b>Warranty</b>	1, 2, 3 Or higher (year)
	<b>Training Type</b>	At Buyer's Premises, At Seller's Premises
	<b>Training Period</b>	1, 3, 5, 7, 10, 15 (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>	Yes, No

**Additional Specification Parameters - Controller For Global Navigation Satellite System (GNSS) ( 13 pieces )**

Specification Parameter Name	Bid Requirement (Allowed Values)
a) External/Removable Storage slot b) Min Operating Temperature c) Max Operating Temperature d) Non Condensing Humidity, Rh e) Ingress Protection	a) SD Card/ Micro SD Card b) 0 Degree or less c) 55 Degree or more d) 95 or better e) IP 67 or better
Integration of Hardware and Software	(i) Make and model (or version) of Receiver, Controller and Data Processing Software shall be mentioned. (ii) All the items will be supplied by a single supplier. The hardware, software and accessories should match with each other as a package. The responsibility of the supplier will include total installation of the equipment supplied, integration of hardware and software supplied and training on it.
Certification of freshness of the products	The supplier must ensure that the offered DGPS equipment are manufactured not earlier than 1 year from the date of tender submission. A manufacturing date certificate from OEM to that effect has to be provided during supply of the equipment. The certificate should also indicate that the equipment to be supplied have not been used earlier.
Locations for deployment of supplied products	On the basis of requirement, equipment may be deployed at our offices located at Asansol, Ranchi, Nagpur, Bilaspur, Singrauli & Bhubaneswar. Onsite Warranty will have to be provided at these places.

Specification Parameter Name	Bid Requirement (Allowed Values)
Onboard Conversion from Grid to Ground and Vice Versa	Yes

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

#### **Input Tax Credit(ITC)/इनपुट कर क्रेडिट(आईटीसी) and/ तथा Reverse Charge(RCM)/रिवर्स प्रभार (आरसीएम) Details**

ITC on GST/जीएसटी पर इनपुट कर क्रेडिट	ITC on GST Cess/जीएसटी उपकर कर क्रेडिट
100%	NA

#### **Consignees/Reporting Officer/प्रेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा**

S.No./क्र. सं.	Consignee Reporting/Officer/ प्रेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Jagdish Chandra Joshi	834008, MATERIAL MANAGEMENT DEPARTMENT, CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED, GONDWANA PLACE, KANKE ROAD, RANCHI- 834008	13	90

#### **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. 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 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 %.

##### **4. Generic**

Buyer Organization specific Integrity Pact shall have to be complied by all bidders. Bidders shall have to upload scanned copy of signed integrity pact as per Buyer organizations policy along with bid. [Click here to view the file](#)

## **5. 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.

## **6. 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.

## **7. Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

## **8. 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

## **9. Generic**

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

15

, Place for Training

Ranchi

and Duration of training

5

days.

## **10. Generic**

Supplier shall ensure that the Invoice is raised in the name of Consignee with GSTIN of Consignee only.

## **11. 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.

## **12. 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.

### **13. Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

### **14. 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):

Not applicable

Post Receipt Inspection at consignee site before acceptance of stores:  
GM (Geomatics) or his authorized representative

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

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

CMPDIL  
payable at  
Ranchi

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.

### **16. 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

CMPDIL  
payable at  
Ranchi

. 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.

### **17. Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

### **18. 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.

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

Buyer Added text based ATC clauses

Procurement against this tender shall be made only for proven items from established & proven s

ources, who fulfils the following criteria:

(i) Offers of the Bidders, who are past suppliers to Mining Industry and / or other Industries (Private or Government Department/ Public Sector Undertaking – Indigenous or Global), will be considered eligible for participation, if they have supplied\* the tendered item / similar item, during the preceding 5 years from the date of tender opening and their performance has been found satisfactory.

~~\*For consumables/Spares/Software: At least 20 % of required quantity of this tender.~~

\*For Equipment: At least one number of the Equipment.

(i)(a) Bidders, who are past suppliers to CMPDI for the tendered / similar item, should upload copies of supply orders in support of their eligibility as stipulated above.

(i)(b) Bidders, who are new for CMPDI for the tendered / similar item, should upload copies of supply orders along with an undertaking, on the Letter Head of the Bidder, that the said supply order has been successfully executed and performed satisfactorily for one year in support of their eligibility as stipulated above.

(ii) Bidders are required to submit a Self-Certificate in the following format, along with the Proof of payment against the Purchase Order(s)/ Rate Contract(s) and Commissioning Certificate(s) (in case of Equipment, P&M, etc. where installation & commissioning is required):

"The items covered in the Purchase Order(s)/ Rate Contract(s) copies enclosed with our offer have been fully executed and have performed satisfactorily as per the provisions of respective Purchase Order(s)/ Rate Contract(s) for minimum one year from the date of commissioning and all the complaints/ claim(s) lodged by the purchaser, if any, have been attended to and no complaints/ claim(s) are pending."

In case, any specific Purchase Order(s) has/have not been fully executed and any complaint/claim is pending, then details of such cases to be categorically mentioned with the reasons thereof so that decision making is in clear perspective without any hidden facts in the subject matter.

The authenticity of the self-certificate as well as other documents submitted/uploaded by the bidder will solely be their responsibility and appropriate action will be taken by CMPDIL if it is subsequently found to be misleading/false/forged.

Note: Similar Equipment shall be such Equipment, which fulfils the following:

(a) Performs almost identical operations as the quoted model.

(b) Should be equal to or higher than the tendered capacity.

(c) Uses sub-components, sub-systems and major assemblies of substantially similar design & construction to the model quoted – only rating specifications may differ (Lower or Higher)

(iii) Acceptance Criteria for similar Equipment:

In case, the bidder claims provenness of the quoted model based on similar equipment, the similar equipment should have performed satisfactorily for a minimum period of one year from the date of commissioning and the quoted model should have worked for a minimum period of six months from the date of commissioning within the window period of 5 years.

In case the bidder claims provenness of the quoted model based on similar equipment and the similar equipment has performed satisfactorily for a minimum period of one year from the date of commissioning, but the quoted model has not worked for a minimum period of six months, the offer may be accepted subject to the conditions mentioned under here under:

a. The quoted model should have been designed, manufactured and supplied to the end-user but has not been commissioned or if commissioned, has not completed six months of operation after the commissioning. Documentary evidence for past supply of the quoted model is to be provided along with the offer.

or

The quoted model is an upgraded version of the existing model with improved and the latest drive line / system etc. and has not been manufactured and/or supplied earlier. In such case, the basic model should remain the same. Documentary evidence of past supply of the existing model whose upgraded version has been offered, is to be provided along with the offer.

b. (i) The successful bidder will be allowed to supply the quantity (or quantity of the first lot) as indicated in Schedule of Requirement. (ii) The firm shall be required to furnish additional Performance Bank Guarantee of 100% of the total landed 'value of equipment along with spares & consumables for warranty period for the quantity.

c. On satisfactory performance of all the equipment/first lot (if applicable) for one year from the date of commissioning [to be certified by the Head of the User Deptt.], clearance shall be obtained from the order issuing authority for supply of the remaining quantity, if any, as per Schedule of Requirement.

d. The additional 100% Performance Bank Guarantee shall be returned only after satisfactory performance of all the equipment/first (if applicable) lot for one year from the date of commissioning.

e. The original 10% PBG for the total contract value will be retained for entire contract period.

Note:

In case of unsuccessful performance of the equipment/first lot (if applicable) supplied by the firms who qualify as per above clauses, the following shall be applicable:

i) The 100% Additional Performance Bank Guarantee for the equipment/first lot (if applicable) shall be encashed by CMPDI. Consequent upon the encashment of the 100% Bank Guarantee due to non-achievement of stipulated minimum availability percentage, the Supplier shall take back the equipment at no cost to the Purchaser and the contract for the balance quantity shall be cancelled.

ii) The original 10% performance bank guarantee shall be returned to the supplier after recovery of penalty for non-achievement of guaranteed availability in respect of equipment/first lot (if applicable).

iii) The performance of any individual equipment/first lot (if applicable) under this clause shall not be considered for provenness in future tenders of CIL & subsidiaries for any capacity of this type of equipment.

iv) In case of equipment imported under Project Concessional Duty (PCD), the amount of Customs Duty Concession i.e. the differential amount of Normal Customs Duty (NCD) and PCD availed during import shall be recovered from the supplier with interest for refund to the Customs Authorities. The supplier shall deposit such amount to the purchaser on demand else the same shall be recovered from the Security Deposit Bank Guarantee / Performance Bank Guarantee of the supplier.

#### **Prior experience - prior turnover criteria for Startup, Micro and Small Enterprises (MSEs) in Public Procurement:**

(i) Prior experience and prior turn over criteria is not applicable for Startup & MSEs in respect of either of the following situations and no further documents regarding proven-ness will be required to be submitted by this category of Bidders.

a. If Bidders have submitted documents to prove the Startup / MSE status for the tendered item without certificate towards quality, assurance and capability from some authority like MSME, NSIC, etc., the Tender Inviting Authority, if required, may assess the techno-commercial capability of the vendors to manufacture and deliver goods as per the prescribed quality and technical specification before awarding contract to them. For this purpose, a 'PROFORMA for Equipment and Quality Control' (as per Annexure-I attached as Buyer uploaded ATC document) has been enclosed in the tender documents and such MSEs/ STARTUPS should submit the details of plant & machinery, quality control arrangements, etc., in the above PROFORMA along with their bids for verification of their tec

hnical capability.

If required, a techno-commercial team of the organization may visit the manufacturing unit of the vendor without any undue delay for quick finalization of the tenders.

b. If favorable technical capability reports obtained earlier on such firms for supply of the item in question as per the required specification is available, these may be considered, provided date of such reports is not more than one year from the date of opening of bids.

In case there is deficiency in technical capacity of the firm, the same shall be communicated to the m by the Tender Inviting Authority for improvement in the quality of their product for future tenders, clearly indicating that their offer cannot be considered for relaxation against the tender in question and to avoid any future complications. The issues relating to Technical capability may be decided by the Head of the Technical Department.

c. If Bidders have submitted documents to prove the startup / MSE status for the tendered item and whose products are ISI marked / DGMS approved / covered under DGS&D Rate Contracts on the m / current holding Rate Contracts with CIL or its Subsidiary for supply of the tendered item / supplied and proven in CIL or its Subsidiary Companies / Proven product of the Ancillary unit of a Subsidiary Company of CIL, they will be required to submit the applicable related documents, duly self-attested, for relaxation: -

- Valid BIS Marking License for the quoted items on them.

OR

- Rate contract as issued by CIL / any other Subsidiary for the quoted items on them.

OR

- Valid DGMS Approval certificate for the quoted items on them.

OR

- Proven Ancillary certificate issued by Subsidiary Companies for the quoted items on them.

The Document (s) / Certificate (s), by the Bidders for ISI marking and DGMS approval for any relaxation should be valid as on date of tender opening and a copy of such document / certificate valid as on date of supply, duly self- attested, must accompany their bill(s).

(i) N.B.:

a. Definition and Eligibility of Startup shall be in line with OM vide letter no. F-20/2/2014 PPD (pt.) Dtd. 25.07.2016 of Under Secretary to GOI, Ministry of Finance, Department of Expenditure, Procurement Policy Division, New Delhi, with subsequent amendments, if any.

b . Definition of MSEs shall be as per Public Procurement 2012, with subsequent amendments, if any.

#### **Payment to MSME through TReDS:**

In order to improve the Working Capital of MSME Vendors, Govt has given Guidelines for Payment to MSMEs through TReDS (Trade Receivable Discounting System). CMPDI is already on Board at TReDs platform of Receivable Exchange of India Ltd. (RXIL) with its Membership Code: **CE0000779**

The contact details of RXIL-

Website : [www.rxil.in](http://www.rxil.in)

Portal : [www.treds.in](http://www.treds.in)

Contact Person : (1) Ms Upasana Majumder (Mob [8697212759](tel:8697212759); E-mail [upasana.majumder@rxil.in](mailto:upasana.majumder@rxil.in))  
(2) Mr. Mainak Mandal ( Mob [9475622182](tel:9475622182); E-mail [mainak.mandal@rxil.in](mailto:mainak.mandal@rxil.in) )

The willing MSME Vendors, who are participating in this tender should ensure about their respective on-boarding at RXIL and should mention their **Membership Code** in their offer. The MSMEs by on-boarding at RXIL shall be deemed to have agreed for payment through TReDS platform of RXIL by following prescribed procedures regarding factoring of invoices etc. at the said platform.

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

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

## 21. **Warranty**

Warranty period of the supplied products shall be as given in specifications 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.

## **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. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

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.
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./जोम 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 नियिदा 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---**