

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 12:00:00
Bid Opening Date/Time	2020-07-20 12:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Central Mine Planning And Design Institute Limited
Office Name	Jharkhand
Total Quantity	10
Item Category	Digital Transreceiver-Handheld
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Past Performance,Certificate (Requested in ATC),OEM Authorization Certificate *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
Past Performance	50 %
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### Splitting

Bid splitting not applied.

**MSE Purchase Preference**

MSE Purchase Preference	Yes
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1. 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% 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 percentage of 25% of total value.

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

**Digital Transreceiver-Handheld ( 10 pieces )****Technical Specifications**

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
PERFORMANCE FEATURES	<b>Frequency Range (MHz)</b>	136-174	136-174
	<b>Types of Bandwidth</b>	VHF Full Band	VHF Full Band
	Display	Yes	*
	<b>Channel Capacity</b>	1000	1000
	Channel Spacing	12.5	*
	Frequency Stability (± )	0.5	*
	Technology	Digital TDMA (2-slot)	*
	Air Interface Standard	Open Standard DMR Tier-II	*
	Antenna Impedance	50	*
TRANSMITTER	RF Power output	programmable	*
	<b>RF Power output</b>	1 to 5 Watts (VHF)	1 to 5 Watts (VHF)

	<b>Range</b>		
	FM Emission	11K0F3E,7K60FXE,7K60FXD,7K60F1W	*
	Digital Modulation	4FSK	*
	Transmitter FM Hum/Noise (dB)	-40	*
	Transmitter Modulation Limiting	+/- 2.5 KHz @12.5KHz	*
	Transmitter Adjacent Channel Power (dBc)	-60	*
	Audio Response	+1,-3 dB	*
	Audio Distortion	3	*
RECEIVERS	Digital Vocoder	AMBE+2	*
	Analog Receivers Sensitivity for 12dB SINAD	0.16	*
	Digital Receiver Sensitivity at 5% BER	0.14	*
	Receiver Adjacent Channel Selectivity (dB)	60	*
	Inter Modulation (dB)	70	*
	Receiver Audio Output	500	*
ACCESSORIES	Receiver Rated Audio Distortion	3	*
	Antenna for Handheld Transreceiver	Rugged flexible Helical	*
	Programming kit	yes	*
	User Manual with each radio sets provided free of cost in soft as well as hard copy	yes	*
	Technical repairing & maintenance manual with complete block diagram, circuit layout etc in soft as well as hard copy	yes	*
	Battery Charger	Yes	*
	Input voltage	230 V $\pm$ 10%,50 Hz	*
	Output voltage	-	*
	Battery charger suitable for	Lithium-ion	*
	Charging time for standard mode	6 to 14hrs	*

VARIOUS FEATURES	Charging time for rapid mode	1 to 3 hrs	*
	Number of charging pockets	1	*
	Number of spare batteries with each Radio Set	2	*
	Indicator	For all modes of charging status	*
	One good quality leather case with belt clip & shoulder strip	Yes	*
	Simple Press to talk	YES	*
	Low Battery Alert	yes	*
	CTCSS or DCS	yes	*
	Mixed Mode Operation (analog & digital)	yes	*
	Signaling	2Tone,DTMF,Digital	*
	Busy Channel Lockout	Yes	*
	Selective Call Decode	Yes	*
	Capable of VOX for hands-free operation	Yes	*
	If yes,handfree kit provided with radio set	No	*
	handfree kit variants	Bone conduction,Ear plug,headphone	*
	PTT ID Encode	Yes	*
	Channel Scanning with call quieting facility	Yes	*
	Emergency SOS/SIREN	Yes	*
	Talk-around	Yes	*
	Automatic Number Identification (ANI)	Yes	*
	Text message and predefined message	Yes	*
	Keypad	Yes	*
	Availability of Inbuilt GPS system	Yes	*
	If yes, Horizontal accuracy	5	*
	Time to first fix(TTFF) cold start	1	*
	Time to First Fix(TTFF) Hot start	10	*

	Capable of being Killed/Unkilled	Yes	*
	communication security	Inbuilt encryption,3rd party encryption	*
	Protocols supported in case of third party encryption	-	*
GENERIC	Weight of hand held Transreceiver with Battery	325	*
	Other features	-	*
POWER SOURCE/BATTERY	Chemistry of Battery	Lithium-ion	*
	Voltage rating of the Battery	7.4	*
	capacity of Battery (mAH)	2300	*
	Average Battery duty cycle '5/5/90 for digital Transmission	20	*
	Average Battery duty cycle '5/5/90 for analog Transmission	15	*
CERTIFICATION	BIS registartion under CRS of Meity for the battery	Yes	*
	BIS registration number and date for the battery	-	*
	EMI/EMC	ETSI EN301 489-1 & ETSI EN301 489-5	*
	Tested by DCPW	No	*
SAFETY	Protections	Reverse polarity protection & short circuit protection	*
SERVICE	<b>Warranty</b>	3	3.0
OPERATING CONDITION	Minimum Operating temperature	-30	*
	Maximum Operating temperature	55	*
	Minimum Storage temperature	-40	*
	Maximum Storage temperature	70	*
	Operating Humidity @40 degree C	95	*
TEST REPORT DETAILS	Dust test as per	MIL-STD-810 G	*

Vibration test as per	MIL-STD-810 G	*
Shock test as per	MIL-STD-810 G	*
Water Intrusion test as per	IP-67	*
Salt test as per	MIL-STD-810 G	*
Rain test as per	MIL-STD-810 G	*
Altitude test as per	MIL-STD-810 G	*
Availability of Test Reports from Central Govt/ NABL/ILAC accredited lab to prove conformity to the Specifications	Yes	*
Test Report Number and Date	-	*
Name and Address of the Lab	-	*

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Atul Kumar	834008,MATERIAL MANAGEMENT DEPARTMENT, CENTRAL MINE PLANNING AND DESIGN INSTITUTE LIMITED, GONDWANA PLACE, KANKE ROAD, RANCHI- 834008	10	30

#### Bid Specific Additional Terms and Conditions

- 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.
- Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- Indian suppliers of this item are not allowed to participate and/ or compete in procurement by some foreign governments. Bidders / products from such countries are not eligible / not allowed to participate in this bid in terms of clause 1 (d) of Public Procurement (Preference to Make in India) Order, 2017
- Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

5. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent 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.
6. **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)
7. **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% 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 percentage of 25% of total value.
8. **Preference to Make In India products (For bids less than 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 50%. 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. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

[This Bid is also governed by the General Terms and Conditions](#)

**---Thank You---**