

Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 15:00:00
Bid Opening Date/Time	21-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	70 (Days)
Ministry/State Name	Ministry Of Home Affairs
Department Name	Central Armed Police Forces
Organisation Name	Indo Tibetan Border Police (itbp)
Office Name	Directorate General
Total Quantity	1500
Item Category	Digital Transreceiver-Handheld
Bidder Turnover (Last 3 Years)	200 Lakh (s)
OEM Average Turnover (Last 3 Years)	1000 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years Of Experience and Turnover	Yes
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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	10 %
Bid to RA enabled	Yes
Inspection Required	No
Estimated Bid Value	44565000

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	5.00
EMD Amount	2228250

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	15

(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.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

DIG

Directorate General, Central Armed Police Forces, Indo Tibetan Border Police (ITBP), Ministry of Home Affairs
(M Kumar)

Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

2. 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.

3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% 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 (1500 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
PERFORMANCE FEATURES	Frequency Range (MHz)	136-174	136-174
	Types of Bandwidth	VHF Full Band	VHF Full Band
	Display	Yes	*
	Channel Capacity	260	256, 260
	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	*
	RF Power output Range	1 to 5 Watts (VHF)	1 to 5 Watts (VHF)
	FM Emission	11K0F3E,7K60FXE,7K60FXD,7K60FXW,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	2	*
	Digital Vocoder	AMBE+2	*
RECEIVERS	Analog Receivers Sensitivity for 12dB SINAD	0.16	*
	Digital Receiver Sensitivity at 5% BER	0.14	*
	Receiver Adjacent Channel Selectivity (dB)	68	*
	Inter Modulation (dB)	71	*

	Receiver Audio Output	1000	*
	Receiver Rated Audio Distortion	3	*
ACCESSORIES	Antenna for Handheld Transceiver	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	*
	Charging time for rapid mode	1 to 3 hrs	*
	Number of charging pockets	1	*
	Number of spare batteries with each Radio Set	1	*
	Indicator	For all modes of charging status	*
	One good quality leather case with belt clip & shoulder strip	No	*
VARIOUS FEATURES	Simple Press to talk	YES	*
	Low Battery Alert	yes	*
	CTCSS or DCS	yes	*
	Mixed Mode Operation (analog & digital)	yes	*
	Signaling	2Tone,5Tone,DTMF,Digital	*
	Busy Channel Lockout	Yes	*
	Selective Call Decode	Yes	*
	Capable of VOX for	Yes	*

	hands-free operation		
	If yes,handfree kit provided with radio set	No	*
	handfree kit variants	Bone conduction,Ear plug,headphone,NA	*
	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,NA	*
	Protocols supported in case of third party encryption	-	*
GENERIC	Weight of hand held Transreceiver with Battery	320	*
	Other features	-	*
POWER SOURCE/BATTERY	Chemistry of Battery	Lithium-ion	*
	Voltage rating of the Battery	7.4	*
	capacity of Battery (mAH)	2000	*
	Average Battery duty cycle '5/5/90 for digital Transmission	20	*
	Average Battery duty cycle '5/5/90 for analog Transmission	15	*

CERTIFICATION	BIS registration 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	Warranty	1	1.0
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	PRAKASH BHUSHAN JHA	473551,PO & Distt. Shivpuri	1500	90

Bid Specific Additional Terms and Conditions

1. 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.
2. **Registration / Empanelment Requirement:** Contract shall be awarded to only such sellers , who are registered / empanelled / approved / enlisted with BOO for the required goods / service category on the date of bid opening. Prospective bidders (if not already registered), are advised to get themselves registered with the said registration authority before bid opening date. (It is certified that the registration is granted by the registering agency as per Rule 150 of GFR following a fair, transparent and reasonable procedure.)
3. 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.
4. Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from 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 local supplier, should be as per relevant notification / order issued by the nodal ministry as available on the website of Department of Promotion of Industries and Internal Trade (DPIIT). All bidders 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 the bid is liable to be rejected. 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 29.5.2019. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.
5. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
6. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
7. 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 / Public Listed Company 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. ISO 9001: The bidder must have ISO 9001 certification.
9. 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.
10. 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.
11. Preference to Make In India products: Preference shall be given to 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 local supplier, should be as per relevant notification / order issued by the nodal ministry as available on the website of Department of Promotion of Industries and Internal Trade (DPIIT). 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 29.5.2019.
12. Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER): Before dispatch, the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories testing charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages.
13. 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)
14. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 7 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the

Buyer.

15. 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.

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

---Thank You---