



RANCHI MUNICIPAL CORPORATION, RANCHI

Letter No:- 282

Date:- 06.02.18

Very sort tender notice for supply of DIGITAL DMR VHF HANDHELD SET (with one extra battery Li-ion 2000mah or more, 1-5 w variable output; with all accessories including Rapid Charger.)

S. No	Information	Details
1	Particulars of the work	Purchasing of DIGITAL DMR VHF HANDHELD SET (with one extra battery Li-ion 2000mah or more, 1-5 w variable output; with all accessories including Rapid Charger.)
2	Publication of RFP	By 07.02.2018
3	Period of availability of RFP for Bidding	From 07.02.2018 to 17.02.2018
4	Cost of Application Document	2000.00
5	Amount of Earnest Money to be Deposited	25000.00
6	Address for submission of written queries for clarifications	Enforcement Cell, Ranchi Municipal Corporation, Kutchery, Ranchi - 834001
7	Last date and time of receipt of proposals (through Speed Post /Registered post only/ Direct Submission at Office)	17.02.2018 till 4.00 pm
8	Date and Time of Bid Opening Validity of Bid	17.02.2018 till 5.00 pm.
9	Validity of Bid	120 days from the date of opening

NOTE:- For Further information please visit website www.ranchimunicipal.com

**Municipal Commissioner,
Ranchi Municipal Corporation**

Memo No..... 282Ranchi/Date..... 06.02.18

Copy to 1: Shri Amit Kumar GIS Specialist RMC for publishing in local Newspaper.

2: Shri Rajesh Kumar Computer Programmer for uploading in ranchi municipal website

**Municipal Commissioner,
Ranchi Municipal Corporation**





**Ranchi Municipal Corporation,
RANCHI**

PIN - 834001

TEL.NO.- 0651-2203469
FAX NO. :0651-2211777

TENDER DOCUMENTS

SHORT TENDER ENQUIRY NO. : ..282.....- 2017/18
TENDER SUBMISSION DATE : (17/02/2018 by 16.00 Hrs)
TENDER OPENING DATE : (17/02/2018 by 17.00 Hrs)
STORE/ITEM NAME : DIGITAL DMR VHF HANDHELD SET(with one extra
battery Li-ion 2000mah or more, 1-5 w variable
output; with all accessories including Rapid Charger.)
PRICE OF TENDER DOCUMENTS : Rs. 2,000/- (Rupees Two Thousand
only in the form of Bank Draft addressed
to the undersigned).



OFFICE OF THE MUNICIPAL COMMISIONER,

Tender Documents

To,

M/s

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Ref.:- Ranchi Municipal Corporation Tender Notice Number 282/2017-2018.

Subject: - Bid for the supply of DIGITAL DMR VHF HANDHELD SET for Ranchi Municipal Corporation.

Sealed tenders are invited, from Dealers / Manufacturer/Supplier/ Authorized agents of the firms in India who are GST registered in Jharkhand for supply of **DIGITAL DMR VHF HANDHELD SET**(with one extra battery Li-ion 2000mah or more, 1-5 w variable output; with all accessories including Rapid Charger.) (20 Numbers) for Ranchi Municipal Corporation to reach the office of the undersigned on or before.....17.12.18..... by 16:00 hrs. The tender documents can be procured on any working day from the office of the undersigned on or before.....17.12.18..... Between 11:00 hrs. & 16:00 hrs. after publication of this notice on payment of 2,000/- (non-refundable) through Demand Draft drawn on any scheduled bank, payable at Ranchi in favor of Municipal Commissioner, Ranchi Municipal Corporation. Tender must be complete in all respects. The Technical bid of the tender will be opened at 17:00 hrs on 17.12.18..... in the office chamber of the undersigned in the presence of bidder or their authorized representatives.





Technical Specification

DIGITAL DMR VHF HANDHELD SET(with one extra battery Li-ion 2000mah or more, 1-5 w variable output; with all accessories including Rapid Charger.)

Sr. No.	Specification	General
1	Frequency Ranch	VHF HB : 136MHz to 174 MHz,
2	Frequency spread	38 MHz
3	Channel Capacity	250 or higher
4	Protocol	TDMA
5	Channel Spacing	a) Analog- 12.5 KHz b) Digital -TDMA - 12.5 KHz
6	Type of Emission	a) Analog- 11 KOF3E b) Digital -Bidder should specify
7	Frequency Stability	± 2 PPM or better
8	Type of Operation	Simplex, Semi-Duplex, Press to Talk
9	Weight	Less than 400 gms.
10	Power Source	Lion Battery Pack of minimum 2000-mAH or more.
		Environmental Specifications
1	Operation Range	Temperature - 20 'C to + 60 'C
2	Applicable MIL Standards	MIL Standard 810 C, D, E, F & G
3	Applicable IP Standards	IP 67 Standard
		Transmitter
1	RF Power Output	Low : 1 Watt & High: 5 Watt Programmable And Switchable
2	Frequency Deviation	±2.5 KHz@12.5 KHz (for 25KHz)
3	Modulation Sensitivity	Less than 10mV @ 1 KHz mic input for standard deviation ±2.5 KHz (for 12.5KHz), ±3KHz (for 25KHz)
4	Modulation Distortion	Less than 3 % @ 1 KHz
5	Modulation Fidelity	+1, -3 dB or 6 dB / Octave pre-emphasis characteristics from 350 Hz to 2700 Hz or better with 1 KHz as a reference
6	FM Hum Noise	40 dB @12.5 KHz, 45 dB @ 25KHz
7	Spurious & Harmonics Response	70 dB,
		Receiver
1	Sensitivity	Analog - 0.28 micro volts for 12 dB SINAD Digital - 0.35 micro volt @ 3 % BER
2	Adjacent Channel Selectivity	Analog - 60dB @ 12.05 KHz
3	Image Rejection	60 dB or better
4	Spurious Rejection	70 dB
5	Audio Output	1 WATTS Typicall @ 5 % distortion
6	Audio Response	+1] -3 dB of 6 dB / Octave de-emphasis characteristics from 350 Hz to 2700 Hz or better with 1 KHz as a reference
		Features
1	Mode Operations	Analog, Digital Conventional & Mix mode
2	Ready to GPS	GP's BUILT IN WITH built in Antenna with Horizonrtal accuracy <10 meters.
3	SMS Tex Message Facility	Short and Long Data Message facility



4	Scrambler	In built low grade Analog and Digital high grade Scrambler with provision of AES/DES encryption.
5	Protection	Protection against High VSWR
6	Radio configuration Facility	PC Programming
7	Front Panel Key pad	DTMF Front Panel Keypad with Backlit LCD panel
8	LCD Display	Minimum 3 lines Display
9	Battery Strength Indicator	Battery Strength Bar indicator or Digital Read Out, Low Battery alert
10	Signal Strength Indicator	RSSI - Signal Strength Indicator or digital Read Out
Other Features		
1		Alpha -Numeric List of 256 User for SMS and Selective e-Calling
2		Alpha -Numeric Channel Alias
3		Alpha -Numeric PTT ID Alias
4		Facility for locking the Channel and key pad
5		Scan with Priority
6		Emergency Status Message Facility
7		Selective Call, Group Call
8		Busy Channel Lockout
9		To be able to get Kill/Stun and Revive
10		Bluetooth built-in
11		Active Noise cancellation
12		Man Down Function
13		Inbuilt message recorder
14		DSP based Noise Cancellation
Accessories and Manuals		
1	Type of Antenna	Rugged flexible Helical Antenna with GPS for the frequency specified.
2	Battery Strength Indicator	Li-ion Battery pack of 200 mA/HR or more.
3	Spare Battery	Signal Unit
4	Rapid Charger	Desktop type Rapid Battery Charger, Charging time - 2 to 3 hrs.
5	Operating Manual	Hardcopy, one for each handheld radio.
6	Technical/Service Manual	As per Customer requirement
7	Programming Interface & S/W	All necessary radio programming Hardware, and Software
8	Bluetooth speaker with mic	Please specify quantities
Notes		
Bidder should provide ILAC/NABL approved Lab reports for parameters and environmental tests of the offered models of radios.		



PART B

TERMS & CONDITIONS

1. The Bidder should have valid GST No. from Govt. of Jharkhand, PAN No. , up to date Sales tax clearance certificate, etc.
2. A duly signed and stamped Specification (as per Annexure) compliance/deviation chart must be submitted in the following format for each item separately he/she is bidding for:-

SL. No.	Specification as per Tender Document	Fully Complied		Remarks
		Yes	No	

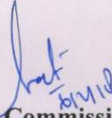
3. All Tender Documents attached with this Invitation of tender including the specifications are SACROSANCT for considering any offer as complete offer. It is, therefore, important that ALL TENDER DOCUMENTS DULY COMPLETD and signed on each page are returned along with your offer.
4. Written assurance that technical manual will be provided by the firm along with the equipment.
5. Authorization Certificate from original manufacturer must be attached by the bidder, in case bidder is an authorized agent or supplier.
6. Late Submissions for Any bid which is received after the dead line for submission of bid prescribed in the Tender will be rejected or returned unopened to the bidder / bidders authorized representative.
7. The bidder can participate for any/some or, all of the items mentioned above, they will have to deposit EMD accordingly.
8. At first, the technical bid of all the bidders will be opened and evaluated by the Technical Committee. The bidders may be asked for a technical presentation / demonstration / clarification before the Central purchase committee, at short notice, if the committee decides so.



9. The financial bids of these bidders who qualified technically will only be considered for opening of the price bid.
10. The price bid will be opened before the **PROCUREMENT COMMITTEE** and date of opening will be communicated to the qualified bidder to appear before the **PROCUREMENT COMMITTEE** in person or through their representative.
11. Only certified copies of documents should be submitted in support of claims made by the party.
12. Firms will have to deposit EMD with the tender as in the shape of Bank Draft/NSC/Postal saving pass book duly pledged in favor Municipal Commissioner, Ranchi Municipal Corporation of amount 25000/-.
13. Both the Earnest money and Security Money shall carry no interest.
14. It is mandatory for the bidder to extent the work order the under the period time fixed by the department.
15. Successful bidder firm will have to enter into an agreement with the department after depositing a sum equivalent to 5% of the total value of the purchase order as security money in the shape of Postal Saving Pass Book/NSC/Bank Guarantee duly pledged in favor of the undersigned.
16. In the event, the successful bidder fails to sign the agreement or accept the work order within specified time or withdraws his offer within the validity period or fails to accept the order for any reason whatever the earnest money deposited by the bidder shall be forfeited.
17. Payment will be made only after receipt of the material / equipment FOR Central Stores, Ranchi and inspection by the Departmental Inspection Team to their satisfaction.
18. The Department/Municipal commissioner, RMC reserves the right to reject any or all the tenders without assigning any reason thereof.
19. The Department/Municipal Commissioner, RMC also reserve the right to relax any terms and condition in the interest of the Govt.
20. Quantity of Equipments / Items may increase or decrease as per the requirement of Ranchi Municipal Corporation.
21. The Rate as quoted by the bidder shall be valid till 1 year from the date of agreement.



22. All legal disputes shall be settled under the jurisdiction of the Court at Ranchi.
23. Bidder should submit two sealed envelopes separately, one for technical bid (pre-qualification) and the other for financial bid. Both these envelopes should be put in one common sealed envelope and deposited at the place and time mentioned above. The envelopes should super scribe "**Technical Bid**" "**Financial Bid**" and item no./Tender no. in bold letter with name and address of Firm. Both these envelopes shall further be put in one envelope and shall be submitted together super scribe Tender No. and name of Firm.
24. Rate quoted by the bidder will be inclusive of all taxes, levies, duties, packing, forwarding, freight, installation of the system at any locations in the Ranchi and all expenses of marketing, commission etc.
25. Each page of the offer document should be signed & stamped by the bidder firm as a token of acceptance to terms and conditions mentioned herein.
26. The bidder must submit copies of order, if any previous orders has been received from Govt. /Semi Govt. in the recent past.
27. The bidder should not be black listed by any government/government bodies (Original copy of notarized affidavit be enclosed in this regard)
28. Firm should provide last three years ITR copy. The annual turnover of the firm should not be less than Rs 25 Lakhs in the last three financial years. The documentary evidence (attested photocopy of audited balance sheet) must be submitted along with the bid.
29. Firm should submit Rs 25 Lakhs worth of Bank solvency in any nationalized bank.


**Municipal Commissioner,
Ranchi Municipal Corporation**