

OFFICE OF THE SUPERINTENDENT OF POLICE (C) MPRO  
MEGHALAYA::SHILLONG

NOTICE INVITING TENDER

Sealed tender affixing non-refundable court fee stamp of Rs.1000/- (Rupees One thousand) only are invited from bonafide, established, reputed manufacturers or their authorised dealers for entering into the rate contract for supply of:

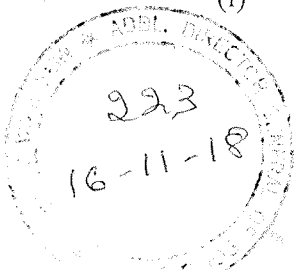
**“RADIO EQUIPMENTS”**

As per the Technical Specifications, Terms and conditions laid down in the Tender

**Terms and Conditions**

1. Items offered must be of reputed companies/manufacturers and should meet with all the specifications as those given in Annexure. Tender should be accompanied with catalogue, warranty/ guarantee or any related papers & will be received upto 1400 hrs. on the 7<sup>th</sup> January, 2019 and will be opened on the same day at 1500 hrs. Bidders or their authorised representatives are invited at the time of opening of the tender. Tenders received after 1400 hrs. of 7<sup>th</sup> January, 2019 by hand or by post will be summarily rejected.
2. Tender must be accompanied by:-
  - (a) Affixed non-refundable court fee stamp of Rs.1000/- (Rupees One thousand) only
  - (b) Earnest Money calculated at the rate of 2% of the total value of the items tendered. The Earnest Money as far as practicable should be in the form of either (i) Deposit at Call. Or (ii) Fixed Deposit or (iii) NSC/KVP from any Nationalised bank at Shillong, pledged in favour of the the Superintendent of Police (C) MPRO, Meghalaya, Shillong. Tenderers belonging to Schedule Caste/Schedule Tribe may deposit 50% of the amount above subject to the production of such certificate.
  - (c) Authenticated copy of rate contract with DGS & D if tenderers have any existing and valid rate contract with DGS & D.
  - (d) Recent passport size photograph of the Tenderer duly attested.
  - (e) Latest financial stability certificate from a Scheduled Bank certifying that the Tenderer is financially sound to undertake the contract.
  - (f) Valid Professional Tax certificate
  - (g) Dealership/distributorship certificate from the Principal manufacturers.
  - (h) Attested copy of valid Trading Licence in terms of United Khasi & Jaintia Hills District Trading (By non-tribal) Regulation Act 1954 by tenderers who are required to obtain such Licence.
  - (i) Valid and current Dealer Position Licence (DPL) for trading in wireless radio equipment as issued by the Ministry of Information & Telecommunication, Govt. of India.
  - (j) Valid GST Registration Certificate and TIN No. of the tenderer
  - (k) An undertaking stating that the tenderer himself/herself is satisfied with the terms & conditions of the N.I.T. and agrees to abide by the same for this tender.
  - (l) Attested copy of PAN

Contd. Pg.2/-



Yes Sir B  
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3. The following information must be mentioned on the body of the envelop containing the quotations, failing which the sealed envelop of the quoting firm will not be opened.

- |     |   |                |
|-----|---|----------------|
| (a) | Earnest money   | -is enclosed.  |
| (b) | Professional Tax certificate                                    | -is enclosed   |
| (c) | Court Fee stamp   | - is enclosed. |
| (d) | Dealership certificates from Principal manufacturers            | - is enclosed  |
| (f) | SC/ST Certificate.  | - is enclosed  |
| (g) | Passport size photograph  | - is enclosed  |
| (h) | Valid GST Registration Certificate                              | - is enclosed. |
| (i) | Income Tax certificate /PAN                                     | -is enclosed   |
| (j) | Latest financial stability Certificate from any recognized Bank | -is enclosed   |

Failure to enclose any one of these documents or enclosure of any invalid documents will result in automatic rejection of the quotation.

4. Rates quoted

- (a) should be inclusive of all charges, like custom duty, packing, insurance, taxes and other incidental charges. Local taxes should be shown separately if applicable. However the GST of the above mentioned taxes if any should be shown separately
- (b) should be inclusive of cost of accessories.
- (c) should be valid for one calendar year from the date of acceptance of tender.
- (d) should be quoted F.O.R. destination, Shillong, door delivery Office of the Superintendent of Police (C) MPRO, Meghalaya, Shillong
- (e) Should be written clearly in figure and in words. Any alteration or overwriting must be fully signed by the tenderers.
- (f) Once the rates offered in the tender are accepted enhancement will not be entertained under any circumstances and tenderers will be liable to supply the items at the accepted rate. Failure to supply the items at the accepted rates will entail the offer being cancelled and the security money will be forfeited to the Government of Meghalaya.

5. Tender should be addressed to the undersigned by designation and not by name. Sealed envelope containing the tender must be super scribed as

### **“RADIO EQUIPMENTS”**

and must be sent by register post or hand delivery.

5.1 The Tenders prepared by the Tenderers shall comprise the following of a two part bid. Viz. i) Technical Bid and ii) Price Bid in separate covers

5.2 The Tenderers shall arrange Technical presentation and live demonstration of their system/Equipment /Items quoted within 7(seven) days from the date of submission of quotation to show that they fully confirm to this tender. The bidder has to bring four numbers of Hand held sets for the demo & field trial

a. The Bids of the firms/vendors who do not arrange field trial and demonstration as above will be treated as rejected.

6. The successful tenderers will be:-

- (a) Intimated by a Letter of Acceptance/Supply order by the Superintendent of Police (C) MPRO, Meghalaya, Shillong. Till then no bidder has any right to assume that his/her tender has been accepted. There shall be no claim whatsoever for compensation for any expenditure incurred by any tenderers in anticipation of acceptance letter.
- (b) Required to furnish a security deposit as per rates mentioned below and execute the contract agreement to ensure fulfillment of the terms and conditions of the contract which successful bidder/s will have to enter into. Such security deposit will be subjected to forfeiture in case of non-fulfillment of terms and conditions of the tender notice on the contract agreement. The earnest money of the successful tenderer/s will not be released till the full security deposit is furnished. Earnest money of the successful tenderer/s will be forfeited to the Government in case of failure to furnish security money in full.
- (c) Selected firm required to furnish Valid Trading Licence from the Khasi Hills Autonomous District Council before a final supply order is issued

7. **RATES OF SECURITY DEPOSIT**

For contract upto Rs.20,000/- 2% from local & 3% from non-Locals.

For contract upto Rs.50,000/- 3% from local & 4% from non-Locals.

For contract upto Rs.1,00,000/- 4% from local & 5% from non-Locals.

For contract over Rs.1,00,000/- 10% for all categories

The Security Deposit should be interest free and in the form of a valid Bank Draft/Deposit at Call pledged in favour of the undersigned.

8. The Superintendent of Police (C) MPRO, may rescind forthwith the contract in writing if,

- a) A Tenderer assigns or sublets any contract in respect of contract or any other contract entered into with the Government.
- b) Tenderer or his agent/Servant are found guilty of fraud of this contract or any other contract.
- c) Declines, neglect or delays to comply with the demand/requisition or in any other way fails to perform or observe any of or all the conditions of the contract agreement.



In case of such rescission the Security Deposit in full shall stand forfeited and absolutely be at the disposal of the Government without prejudice to any other remedy or action that the Government shall be entitled to recover from the successful Tenderer any extra expenses Govt. may deem necessary in obtaining the supplies.

9. In the event of the successful Tenderer failing to perform his/her part of any or all the contract agreement to the satisfaction of the Department or disregarding any terms and conditions of the Tender Notice and or the contract agreement the successful Tenderer shall be liable to any of or all of the following action at the discretion of the Superintendent of Police (C) MPRO, Meghalaya, Shillong on behalf of the Government of Meghalaya.

- (i) Forfeiture of security deposit in whole or part.
- (ii) Making good the loss caused to the Government through the liability, neglect, delay in complying with the demand.
- (iii) Cancellation of the contract without any prior notice to the contractor.

10. If the successful Tenderer/s willfully neglects, fails to perform or observe any or all conditions of the contract agreement or attempts to cheat or indulge in foul practices, the Superintendent of Police (C) MPRO, Meghalaya, Shillong may impose a ban upon such Tenderer(s) for future business within the Department.

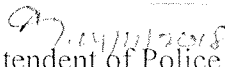
11. Quantities mentioned in the list are only illustrative and may be increased/reduced on finalisation of order depending on the availability of fund and actual requirements.
12. Once the sample/technical specification of the items are approved, no change of brand, name, shape, pattern, quality or specifications will be entertained even on the plea of non-availability of raw materials or alternative offer of the same quality.
13. The store, supplied must be of the same specifications, weight and quality as the tendered models/samples/Tech. Spec. If the items are rejected by the undersigned due to non-meeting of the Technical Specification the supplier must replace the rejected items at their own cost forthwith and in a period of 21 (twenty one) days from the date of rejection.
14. Delivery must be completed within thirty days from the date of receipt of firm orders. No extension of delivery & installation period will be entertained.
15. Payment will be made to the suppliers directly only on completion of supplies and on correct receipt of goods by the respective consignee in good condition. Documents/vouchers/ P.R. Bills etc. routed through Banks will not be accepted. Consignment will be dispatched by the firm after payment of all freight charges at the source. Freight to pay P.R. will not be accepted.
16. Risk of transportation will be borne by the Tenderer themselves.
17. Comprehensive on site warranty should be indicated alongwith after sale services facilities.
18. One set of manuals of (Instructions and Maintenance) should be supplied free of cost for each item wherever applicable.
19. The Purchase Board reserves the right to reject the lowest rate or any of the tender without assigning any reason.
20. Any dispute arising out of or in respect of these terms and conditions of the Contract Agreement shall be in the Jurisdiction of the Courts in Meghalaya.

  
(R.J.Rodborne)  
Superintendent of Police (C) MPRO  
 Meghalaya, Shillong

Memo No. MPRO/CRW/21(INOT-SPR)P-3/2017-IS/10, Dtd. Shillong the 14<sup>th</sup> November, 2018

Copy to:-

1. The Asstt. Inspector General of Police,(A).Meghalaya, Shillong for favour of kind information of the DGP,Meghalaya, Shillong
2. The Commissioner and Secretary to the Govt. of Meghalaya (Home/Police) Department Shillong for favour information.
3. The Addl. Director General of Police (Commn), Meghalaya, Shillong for favour of kind information
4. The Addl. Director General of Police (Hqr), Meghalaya, Shillong for favour of kind information
5. The Inspector General of Police (TAP), Meghalaya, Shillong for favour of kind information
6. The Dy. Inspector General of Police (E/R), Meghalaya, Shillong for favour of kind information
7. The Dy. Inspector General of Police (TAP/C), Meghalaya, Shillong for favour of kind information
8. The Asstt. Inspector General of Police (A) / (E) / (R) Meghalaya, Shillong for favour of information
9. The Director Government Press, Meghalaya, Shillong for favour of information and with copies for publication in two consecutive issues of Meghalaya Gazette.
10. The Director of Information and Public Relation, Meghalaya, Shillong with a request to publish a brief gist of the tender notice in 2 (two) Newspaper (One impression), in Khasi and English each
11. The Superintendent of Police (SCRB), Meghalaya, Shillong, for favour of information with a request to upload it the Meghalaya Police Website
12. The Superintendent of Police, East Khasi Hills, Shillong/West Khasi Hills, Nongstoin / South West Khasi Hills, Mawkyrwat / West Jaintia Hills, Jowai / East Jaintia Hills, Khliehriat / Ri-Bhoi District, Nongpoh / East Garo Hills, Williamnagar / North Garo Hills, Resubelpara / West Garo Hills, Tura / South Garo Hills, Baghmara / South West Garo Hills, Ampati /(F&ES), Meghalaya, Shillong / Spl. Supdt. of Police, (SB-I)/ (SB-II), Meghalaya, Shillong
13. The Commandants, 1<sup>st</sup> MLP Bn. Shillong / 2<sup>nd</sup> MLBP Bn. Goeragre, Tura / 3<sup>rd</sup> MLP Bn. Khliehtyrshi, Jaintia Hills / 4<sup>th</sup> MLP Bn. (IRBN), Sohpien, West Khasi Hills, Nongstoin, Commandant 5<sup>th</sup> MLP Bn. Samgong, Williamnagar./ Commandant 6<sup>th</sup> MLP Bn. Camp Shillong / Commanding Officer SF10
14. Notice Board
15. M/S. \_\_\_\_\_

  
Superintendent of Police (C) MPRO  
Meghalaya, Shillong

OFFICE OF THE SUPERINTENDENT OF POLICE (C) MPRO  
MEGHALAYA::SHILLONG


Memo No. MPRO/CRW/21(INDT-SPR)P-3/2017-18/10-A, Dtd. Shillong the 14<sup>th</sup> November, 2018

GIST OF TENDER NOTICE

Sealed tender affixing non-refundable court fee stamp of Rs.1000/- (Rupees One thousand) only are invited from bonafide, established, reputed manufacturers or their authorised dealers/agents/ representative for entering into the rate contract for the supply & installation of "RADIO EQUIPMENTS"

Tender will be received upto 1400 hrs. on the 7<sup>th</sup> January, 2019 and will be opened on the same day at 1500 hrs. Detail information/related documents in connection with the tender can be collected from the office of the undersigned on any working day.

  
(R.J. Rodborne)

Superintendent of Police (C) MPRO  
 Meghalaya, Shillong

## List of Item with specifications

### 1. VHF Digital Handheld Radio

#### 1. General

Sl. No.	Description	Required Specifications
1.1	Frequency Range	136-174 MHz
1.2	TDMA	2-Slot
DMO Mode - For TDMA dual slot without Repeater		
1.3	Number of channels	255 or More Channel (Set with display)
1.4	Channel spacing	12.5 KHZ
1.5	Battery Capacity	Li-ion / Li-Poly rechargeable battery of capacity 2000 mAh or higher capacities. Complying applicable BIS Standard
1.6	Average Battery duty cycle 5/5/90	Digital : 10 Hrs or more Analog : 8 hrs or more
1.7	Frequency stability	$\pm 1.5$ PPM or better
1.8	Antenna Impedance	50 $\Omega$
1.9	Antenna	Helical Antenna
1.10	Weight	Less than 500 gm with battery
1.11	EMI/EMC	ETSI EN 301 489-1 & ETSI 301 489-5 /
1.12	Air Interface Standards	Shall be opens Standards DMR Tier – II

#### 2. Transmitter

2.1	RF Power output	1 to 5 Watts ( Programmable)
2.2	FM Emission	11K0F3E 7K60FXE, 7K60FXD, 7K60FXW
2.3	Digital Modulation	4 FSK
2.4	Modulation Limiting	$\pm 2.5$ KHz at 12.5KHz
2.5	FM Hum/Noise	- 40dB or better
2.6	Adjacent Channel Power	- 60dB or better
2.7	Audio distortion	Less than 3% @ 1KHZ
2.8	Audio Response	+ 1 , -3dB
2.9	Digital Vocoder	AMBE +2
2.10	Communication Security	System should have in built encryption and should also have provision to support 3rd Party Encryption. The developing agency in India will give NDA (Non disclosure agreement) to OEM. Till SAG approved encryption is made available, the vendor will provide commercial grade 256 Bit AES encryption.

#### 3. RECEIVER

3.1	Sensitivity (digital)	0.3 $\mu$ V at 5% BER or better
3.2	Selectivity (Analog)	0.3 $\mu$ V(12SINAD)or better
3.3	Inter modulation	70dB or better
3.4	Adjacent Chanel Selectivity	60dB or better
3.5	Audio Distortion	less then 3%
3.6	Audio output	Minimum 500 mW
3.7	Text to speech	Radio should have provision for TEXT to Speech for text messages
3.8	Water intrusion	IP68 OR Better

#### 4. ENVIRONMENTAL

4.1	Operating Temperature	-30°C to + 55°C
4.2	Storage Temperature	-40°C to + 70°C
4.3	Humidity	95% Max at 40°C non – condensing
4.4	Vibration	MIL-STD-810 F/G
4.5	Shock & Drop	MIL-STD-810 F/G
4.6	Dust	MIL-STD-810 F/G
4.7	Salt	MIL-STD-810 F/G
4.8	Low Pressure	MIL-STD-810 F/G

## 5. Feature wise Configuration:

5	ACCESSORIES	
5.1	Battery Charger	
5.1.1	Input Voltage	230 V + 10%, 50 Hz
5.1.2	Output Voltage	As per battery pack ( Information will be provided by OEM / Vendor)
5.1.3	Type of Battery Charger	Li-ion/Li-Poly
5.1.4	Protection	1) Receiver polarity protection 2) Short circuit protection
5.1.5	Indication	Visual indication for all modes of charging status
5.1.6	Charging Time	Standard chargers - 6 to 14 Hrs. Rapid Charger - 1 to 3 Hrs
5.1.7	No. of Charging Pocket	1/2/6 ( Vendor to quote accordingly)
5.2	Hand free Kit ( VoX unit with PTT) (Optional)	The offered sets should be compatible with any one or more of the following variants 1) Bone Conduction 2) Ear Plug 3) Headphone, etc.
5.3	Programming Kit	All necessary Software and Hardware required for programming of the set independently for lifelong support with regular updates.
5.4	Literature	a) User manual with each radio sets should be provided free of cost in soft as well as hard copy. b) Technical repairing & maintenance manual, with complete block diagram, circuit layout, PCB layout, component & wiring diagram etc. should be provided as per user's requirement in soft as well as hard copy.
5.5	No. of Battery	Two lithium - Ion or Li-polymer batteries with each radio set.
5.6	Case	One good quality case with belt clip & shoulder strap to house the Radio Sets in operation

## 6. Configuration

6.1	Simple press to talk	
6.2	Low battery alert	
6.3	Continuous Tone Coded Squelch System (CTCSS)	
6.4	Mixed Mode Operation (Analog and Digital)	
6.5	Any one of 2 - Tone/5 - Tone/ DTMF signaling.	
6.6	Busy Channel Lockout.	
6.7	Selective call Decode / Encode.	
6.8	Capable of VOX hand free operation.	
6.9	P.T.T. ID Encode	
6.10	Chanel Scanning with call quieting facility.	
6.11	Emergency SOS/SIREN	
6.12	Talk around Mode	
6.13	Automatic Number Identification (ANI)	
6.14	Text messages and predefined message	
6.15	Should have built - in GPS feature	i) Time to First Fix (TTFF) cold start : < 2minutes ii) Time to First Fix (TTFF) hot start : < 20 seconds Horizontally accuracy : <10 meters
6.16	GIS	Radio should have application protocol interface along with software application to provide location and messaging on PC console
6.17	Networking	should be IP based for automatic roaming etc. (should be available during trial. Purchaser may opt to use this facility later on.



2. Intelli Data Terminal

1	Computerised Data Communication Systems, AMSS software, Radio Modem UPS, Dot Matrix Printers, Spike Busters
2	Four-Port Data terminal Communication Equipments Minimum Hardware Specifications or Higher
3	Processor: Intel® Pentium® J3710 Processor (1.6 GHz, up to 2.64 GHz, 2 MB cache, 4 cores)
4	HDD 1 TB 7200 rpm SATA
5	Memory 4 GB DDR3L-1600 SDRAM (1 x 4 GB)
6	Monitor Intel® HD Graphics
7	Chassis Compact & small
8	Serial Card with 4 dedicated ports which can be upgraded upto 8 port on single machine
9	Having provision for connectivity like RS 232, BEST, UHF/VHF/HF Radio Modems and PSTN, POLNET
10	Having facility to connect Two Printers for Tx & Rx
11	Message Acknowledgement
	Software: Window based or above with license Having bilingual facility for message/data communication software for 4 port to provide following facilities :
	Message editor
	Message Scheduler
	Message Administrator
	On Screen Connection Status
	Log File Generation
	New Message Arrival indicator
	Should have different Folders for Received / Send/ Draft messages etc
12	Address Book facility
13	Should also support customized format of user.
14	Should support/work with Serial port interfaces such as BEST/ Radio/ V-Sat Terminal of POLNET/AMSS. The Communication software should be capable to interact with existing messaging system.
15	Must have provision to interface with LAN / Internet/ Intranet.
16	Software should have facility to send the binary files attachment through Radio Modem / V-Sat/ Internet/ Intranet.
17	Should have Acrobat Writer to avoid any editing on receipt of message attachment
18	Terminals at Control Room with Automatic Switching Software
18.1	In addition with above features. the offered software of the Terminals at Control Room should support the following:
	IP based protocols (SMTP & POP3) like UDP Multicast
	Multiple file (Binary) attachment
	LAN, V-Sat & Satellite Phone Connectivity
	Automatic Re-routing of message recd from remote terminals
	End- to- End Message acknowledgment
	Automatic Alternate Route Selection
	Message Transmission Priority
19	User and Administrator Password
20	The System Shall be compatible with the existing Data Communication system and existing HF sets of APRO in respect of Data transmission/reception at the rate of 300 bps
21	The system shall be compatible with the existing Data Communication system and existing VHF sets of APRO viz. PRM 8020, GM 300, GM 338, GM 950+ in respect of Data transmission/reception at rate up to 9600 bps.

22	UPS -650 VA offline UPS (Minimum 30 Min Backup on full load, Line Interface)
23	Data Interface Radio Modem HF/ VHF/ Radio Modem with Supply and necessary Interfaces for radio set along with set of cables (having 2 Radio Interface Port)
24	Automatic message switching software (AMSS) for 4-port operation
25	Dot Matrix Printer: DM Printer 24 pin 80 col 300 CPS at 10 CPI Dot Matrix Printer, One Parallel Capability of Printing of 1+3 copy
26	Electric Spike Buster

**SPECIFICATIONS OF VHF/HF RADIO DATA MODEM**

GENERAL		Tender Specifications	
1	Software Features	:	Support many interface including (HF/VHF/UHF)
		:	Support max.9600bps modem on VHF/UHF
		:	DOS as well as windows rich text printing
		:	End to End acknowledgement
2	Hardware Features	:	Fast Digital Signal Processor
		:	300,1200 and 9600 bps packet
		:	All standard HF and VHF modes
		:	Two switchable radio ports with rear panel AFSK adjustment and another for 9600 bps
	Technical Specification		
	Modulator		Phase continuous sinewave,AFSK generator
	Modulator output level		5-200mV RMS
	Power requirement		+12 to +16VDC @590mA (700mA recommended)
	Radio Interface		Two 5 pin connectors, front panel selectable
	Terminal Interface		RS-232-c 25 pin DB-25 connector
	Terminal data rate		Autobaud settings at 300,600,1200,2400,4800 &9600 bps