

**OFFICE OF THE DIRECTOR,
FIRE & EMERGENCY SERVICES, ASSAM, GUWAHATI.**

NOTICE INVITING TENDER

Sealed Tender affixing Court fee stamp of Rs. 8.25 (Rupees eight and paise twenty five) only are hereby invited from reputed firms for supply of the following **Radio Communication Equipments** as per specification laid down in the NIT and will be received by the undersigned **up to 1500 hours on 14.07.2015**. The Tenders will be opened on the next day at **1100 hours**. If the Tenders are not opened on the next day due to unavoidable circumstances, the same will be opened on the next working day. The Tenderers may also download N.I.T. from the website of Fire & Emergency Services, Assam i.e. www.asfso.org

TERMS & CONDITIONS:

1. The Tender shall be submitted in 2 (two) Bid system. (Technical Bid and price Bid).
2. Tender/ Tenders without court fee stamp will be rejected.
3. The Technical Bid should be in a sealed envelope affixing court fee stamp of Rs. 8.25 (Rupees eight and paise twenty five) only. Bidder shall also enclose the following with technical Bid :-
4. The price Bid shall be in the second sealed envelope.
The price Bid of the eligible bidders will be opened who qualify in the Technical Bid.
5. Both the Technical Bid (in one sealed envelope) and Price Bid (in second sealed envelope) shall be placed in another outer envelope duly sealed and to be dropped in the Tender Box.
6. The envelope containing tenders must have the following particulars to be super scribed :-
 - i) Reference of N.I.T., its number and date.
 - ii) Name and full address of the Tenderer/ Bidders.
 - iii) Date of opening of the Tender.
7. i) Tender/ Tenders received after due date and time fixed above will not be accepted.
ii) Up to date valid Sales Tax/ VAT clearance Certificate/ Permanent Account Number/ VAT Registration certificate/ Audited Balance Sheet and Income Tax Return for last two years must be submitted duly attested.
8. Tender once submitted shall be final. No alternation/ modification in the rates and terms and condition in the tender shall be entertained after opening of the Tender.
9. Submission of Bid by the Tenderer should cover and specify all the items of equipment mentioned in the NIT, both in Technical and Price Bid at the time of submitting the Tender. Failing which tender will not be taken into consideration. No item should be left out at the time of submitting the tender.
10. Price of all the items mentioned in the NIT is to be submitted as per format enclosed at **Annexure-I**.
11. Conditional and incomplete tender shall not be entertained.
12. **The Tenderers can also quote their DGS & D rates of item if available with them.**
13. The Tenderer shall have to deposit an amount of Rs. 30,000/- (Rupees thirty thousand only) as Earnest Money in the Technical Bid in the shape of NSC/ KVP/ FDR/ Demand Draft to be pledged in the name of **Director of Fire & Emergency Services, Assam, Guwahati – 1**. No cash & cheque etc. will be accepted as Earnest Money. Those firms registered with Central Purchase Organization/ NSIC are exempted from depositing the EMD. Copy of which to be submitted with bid document.
14. The EMD of the unsuccessful Tenderers will be released as soon as acceptance and finalization of the Tender and the EMD of the successful tenderers will be released after execution of the work order.
15. Tender should be legibly typed or written and the rates should be written neatly both in figure and words. There should not be any over writing, erasure mark in the rates. In case of over writing or erasure or any such alteration, the tender shall be rejected outright.
16. Failure to fulfill the terms and conditions of the NIT will lead to rejection of the bid without any reference to the tenderer and no correspondence will be entertained in this regard.
17. Rates quoted should be valid for 1(one) year with a provision for further extension if required.

18. Once the rates offered in the quotation are accepted, no enhancement will be entertained under any circumstances and tenderers will be liable to supply the items at the rate accepted by the Director, Fire & Emergency Services, Assam. Failure to supply the items at the accepted rates will entail the order being cancelled forfeiting Security Deposit and suitable panel action may be taken by blacklisting/ debarring from competing any tender with Govt./ Semi Govt./ Public undertaking.
19. An Affidavit stating that neither the Tenderer, principal supplier of equipment or any associated / affiliated company is blacklisted by any Public Sector Undertaking/ Agency of Govt. of India or State Govt.
20. All pages of the tender document together with terms and conditions and the documents enclosed with the tender shall be signed by the authorized signatory.
21. The **Radio Communication Equipments** shall have to be delivered within 60 (sixty) days on receipt of the work order by the supplier.
22. The successful Tenderers shall have to deposit 5% security money of the total value of the work order in the form of Demand Draft/ Bank Guarantee/ NSC/ KVP/ FDR pledged in the name of the Director of Fire & Emergency Services, Assam, Guwahati – 1 before placement of formal work order.
23. The equipment should carry a guarantee of 1(one) year with effect from the date of receipt by this department. Any defects if found during this period should be replaced free of cost.
24. Price bid is to be quoted in price bid format, e.g. Description, excise duty if any CST/ LST/ VAT and delivery charges F.O.R. destination and total.
25. Any optional/ alternative rates for any item will not be entertained.
26. A Committee of Technical Officers' to be nominated by the undersigned shall examine/ testing the **Radio Communication Equipments** as regards their satisfactory, effective functionability. Suppliers bill shall be paid only after the Committee's satisfactory report on the workmanship/ functioning the **Radio Communication Equipments**. Any defect noticed/ pointed out by the above Committee shall be rejected/ replacement by the supplier before final receipt of the same.
27. **In case of any legal complicity arising out of this N.I.T., the jurisdiction will lie at Gauhati High Court only.**
28. The tenderers must submit the sample of each item and its descriptive literature along with the tender failing which tender will not be entertained.
29. Notwithstanding anything mentioned herein above, the undersigned shall not remain obliged to accept the lowest tender and shall reserve the right to reject any or all the tenders without assigning any reasons thereof.

Sd/-
Director,
Fire & Emergency Services, Assam,
Panbazar, Guwahati.

TENDER NO:

Date:

PRICE BID FORMAT**Supply of Radio Communication Equipments.**

Sl. No.	Name of Item with Make/ Model	Quantity	Unit Price	Excise Duty if any	Tax (VAT/ CST)	Entry Tax/ Octroi Duty	Total amount (in Rs.)
1							
2							
3							
Grand Total =							
Total (Rupees) only							

(Signature of the Tenderer)

Name: _____

Date:

Designation: _____

Seal:

Place:

SPECIFICATION OF RADIO COMMUNICATION EQUIPMENTS:-**(1) Walkie Talkies Set – 70(seventy) Nos.**

- 1) **Frequency Range** : 2 MHz to 30 MHz or better.
- 2) Frequency steps : 100 Hz
- 3) Mode of operation : USB, LSB, CW/MCW, AM, DATA.
- 4) Frequency Stability: ± 0.6 ppm or better
- 5) Power requirement : 12 V DC nominal, Rechargeable Li-ion/ Mi-MH 14 AHC or higher capacity battery pack with suitable charger.
- 6) Weight: Less than 6 kgs. including battery.
- 7) Antenna Impedance : 50 ohms (Nominal)
- 8) Visual display : LCD Display with Backlight.
- 9) Operating Temp : -30°C TO +55°C
- 10) Protection : Reverse polarity should be provided.
- 11) Accessories: All essential and suitable accessories such as, Antenna (Whip & 10 meter long wire) ATU, Battery charger, RF cable, Hand set, MCW key, Carrying harness, Programming kit with software. Spare battery etc. should be provided.
- 12) Manuals: Operating and maintenance service manual should be provided.
- 13) Certificate of test: Vendor shall provide certificates from OEM for each of parameters of the Radios mentioned below:
Environmental specification.
Parameters those can't be tested/ verified in the client's lab.

(Descriptive literature should be submitted with the quotation)

(2) Base Stations 25 Watts – 14(fourteen) Nos.**General Specification :**

	VHF Band	UHF Band
Frequency Range	148-174 MHz	440-470 MHz
Channels		4
Channels Spacing	12.5 / 25 KHz	12.5 / 25 KHz
Channel Stepping	2.5 / 5.0 / 6.25 KHz	2.5 / 5.0 / 6.25 KHz
Channel Spread	26 MHz	30 MHz
Antenna Impedance	50 Ohms	
Input Voltage	120 / 220 VAC	
DC Current Drain @ 13.8V	< 100 mA Standby / < 150 mA Receive / < 8.0A Transmit	
Operating Temperature	-22° F to 140°F / -30° to +60° C	
Frequency Stability	± 5 ppm (-30° to +60° C)	
Dimensions	7.1875" x 4.5" x 7.75"	
Weight	7.6 lbs	
FCC Identifier	F3JSM2150	F3JSM2450
FCC Compliance	Parts 20, 22, 74, 90, 90.210	Parts 22, 74, 90, 90.210, 95
IC Certification No.	3772195173A	3772194331A

Receiver Specification :

	VHF Band	UHF Band
Sensitivity (12dB SINAD)	0.25 uV @ 12.5 KHz	0.25 uV @ 25 KHz
Selectivity	60 dB @ 12.5 KHz	70 dB @ 25 KHz
Intermodulation	70 dB @ 12.5 KHz	70 dB @ 25 KHz
Spurious Response	70 dB	
Audio Output	4W (int.) 8 Ohm /4W (Ext.) @ 8 Ohm < 10% THD	

Transmitter Specification :

	VHF Band	UHF Band
RF Power Output.	1 or 25 Watts (prog. by channel)	
Frequency Stability	±0.000025 PPM (-30° to +60°C)	
Modulation	11K0F3E 2.5KHz max	16K0F3E 5KHz max
Spurious & Harmonics	-70 dB	
FM Hum & Noise	40 dB @ 12.5 KHz / 40 dB @ 25 KHz	
Audio Distortion	Per EIA / TIA-603 Spec	
Output Impedance	50 ohms	

(Descriptive literature should be submitted with the quotation)

(3) HF Sets – 14(fourteen) Nos.

1. **Frequency coverage:** 2-30 MHz
2. **Mode of operation :** -J3E/USB or LSB and USB/LSB and ISB
3. A single DSP chip should provide digital modulation and demodulation of all an air signaling, including the one used in the ALE, selective call and syllabic mute processes and provides noise reduction of received signals.
4. **Password protection(power ON password):** Available
5. **Remote killing and revival :** Available
6. **Pre-set channels:**100 or more
7. **Frequency steps:** 100Hz
8. **Frequency stability:** +/-0.6PPM or better
9. **Built in test:** Front panel testing
10. **Operating temperature:** -30deg C to 60 deg C
11. **Weight:** Less than 6 kgs
12. **RF power output:** 15/100 Watts for the entire frequency band(Programmable/Selectable)
13. **Tx Current:** Less than 20 Amps.
14. **Harmonic Suppression :** >/= 45 dB with respect to single tone.
15. **Unwanted side band suppression :** >/= 45 dB w.r.t. single tone.
16. **Non Harmonic Spurious:** Non Harmonic Spurious: >/= 50 dB w.r.t. single tone.
17. **Inter modulation Distortion:** 31 dB min. below FEP
18. **Receiver Sensivity SINAD:** >/= 10 dB for -113 dB RF input level or better.
19. **Image & IF rejection:** 80 dB Min. or Better.
20. **Audio Output:** >10 mw across 600 ohm, >250 mw across ohm or better.
21. **Squeich:** Active, Digitally coded.
22. **Audio Distortion:** <5% or better
23. **In band inter modulation:** 38 dB min. below FEP distortion
24. **ALE (Automatic Link Establishment) Built-in:** As per MIL-STD-188-141B Standards

25. **GPS** : The Radio set should have GPS inbuilt for tracking purpose.
26. **LCD Display**: (Alpha Numeric) with backlit keypad.
27. **Selective Call**: 4/6 digit selective call or as per ALE.
28. **Short messaging feature predefined or live (Min. 64 characters)** : SMS/ Page call should be available.
29. **Vocoder (External) MELP/ACLP)1200/2400 bps)** : 1200 bps Vocoder per fips 197
30. **High speed data modem**: 4800 bps per MIL-STD-188-110B
Accessories for static applications:
31. **Programming software/ Manual**: One single integrated software for radio and ALE programming, remote control and radio maintenance PC programming. Field programming through key board.
32. **Antenna**: Broad band antenna for static application with 30 M RF cable.
33. **Power supply: External** :- External SMPS type, 13.6 V, 30 A Power supply with boost charger for charging secondary battery.

(Descriptive literature should be submitted with the quotation)

Sd/-
Director,
Fire & Emergency Services, Assam,
Panbazar, Guwahati.

NIT No. F&ES/PS/2003/103/Pt-III/2332-40 Dated Guwahati the 23.06.2015.

Copy to:

1. The Chief Executive Officer, Assam State Disaster Management Authority, Assam Sachivalaya, Dispur for kind information.
2. The Director of Industries, Udyog Bhawan, Bamunimaidam, Guwahati – 21 for information.
3. The Secretary to the Govt. of Assam, Home (B) Department, Dispur for information.
4. The Senior Financial Adviser to the Govt.of Assam, Home (B) Department, Dispur for information.
5. The Finance and Accounts Officer, Fire & Emergency Services, Assam, Guwahati for information.
6. The Fire Prevention Officer, Fire & Emergency Services, Assam, Guwahati for information.
7. Office Notice Board.
8. Office Website www.asfso.org .
9. M/S

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Sd/-
Director,
Fire & Emergency Services, Assam,
Panbazar, Guwahati.