

**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 Detection and Location Equipment **(1) Life Detector – 4 Pcs., (2) Snake Eye Camera – 4 Pcs.,** as per specification laid down in the NIT and will be received by the undersigned **up to 1500 hours on 06.01.2014.** 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](http://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 which shall be duly sealed affixing court fee stamp of Rs. 8.25 (Rupees eight and paise twenty five) only.
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/ Income Tax Return for last two years must be submitted by 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. The Tenderer shall have to deposit an amount of Rs. 50,000/- (Rupees fifty thousand) only as earnest money in the Technical Bid in the shape of NSC/ KVP/ Demand Draft/ B.G. to pledge in the name of **Director of Fire & Emergency Services, Assam, Guwahati – 1.** The Tenderer will have to sign in the reverse side of the NSC/ KVP. No cash & cheque etc. will be accepted.
10. The earnest money of the unsuccessful Tenderers will be released as soon as acceptance of the Tender is finalized and the earnest money of the successful tenderers will be released after execution of the work order.

11. 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.
12. Failure to fulfill the terms and conditions of the tender notice will lead to rejection of the bid without any reference to the tenderer and no correspondence will be entertained in this regard.
13. Rates quoted should be valid for 1(one) year with a provision for further extension if finally approved.
14. 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 and the Security Money will be forfeited to the Govt. of Assam.
15. 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. Acceptance signing of the Notice Inviting Tender and the detailed terms and conditions in the format of certificate enclosed shall be deemed as the final acceptance of these terms and conditions.
16. The **Detection and Location Equipment** shall have to be delivered within 60 (sixty) days on receipt of the work order by the supplier.
17. 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 pledged in the name of the Director of Fire & Emergency Services, Assam, Guwahati – 1 before the placing the formal work order.
18. 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.
19. Price bid is to be quoted in price bid in a format, e.g. Description, excise duty if any CST/ LST/ VAT and delivery charges F.O.R. destination and total.
20. Any optional/ alternative rates for any item will not be entertained.
21. A Committee of Technical Officers' to be nominated by the undersigned shall examine/ testing the **Detection and Location Equipment** as regards their satisfactory, effective functionability. Suppliers bill shall be paid only after the Committee's satisfactory report on the workmanship/ functioning the **Detection and Location Equipment**. Any defect noticed/ pointed out by the above Committee shall be rejected/ replacement by the supplier before final receipt of the same.
22. **In case of any legal complicacy arising out of this N.I.T., the jurisdiction will lie at Guwahati High Court only.**
23. The tenderers must submit the sample of each item and its descriptive literature along with the tender failing which tender will not be entertained.
24. 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 showing any reasons thereof.

Director,  
Fire & Emergency Services, Assam,  
Panbazar, Guwahati.

## **SPECIFICATION OF DETECTION & LOCATION EQUIPMENT:-**

### **(1) LIFE DETECTOR:-**

#### TECHNICAL SPECIFICATIONS

##### Purpose

1. The Human Life Detection System should be a hand held instrument used by Rescue Workers to determine (without risking their lives by entering) from outside; whether anyone is trapped inside a burning or collapsed buildings etc. It should help to locate trapped or marooned victims in a disaster area, reducing both search times and danger to rescuers and to find lost or injured people faster in hostile terrain, bad weather, collapsed trenches, even underwater. The system will have the discrimination capability for detecting only living human beings and not deceased humans or living animals. The principle of working should be based on the equipment's capability of detecting living human beings by detecting the distinctive electro-magnetic field created by their heartbeat or any similar feature unique to human beings only.

##### Required Capabilities and Specifications

2. The instrument will be in full compliance with following specifications:-

- Should be capable of passively detecting the presence of living humans behind thick barriers such as concrete walls, steel gates, trees, and up to 400 to 500 meters in the open air.
- Should be capable of passively detecting the non-uniform electric fields of living humans.
- Should not detect animal life.
- Field of view – Horizontal plane: At least -2 to +2 degrees – vertical plane: At least -60 to +60 degrees in the open air. At least -40 to +40 degrees in a composite structure. And -20 to +20 degrees on an all-metal grounded platform.
- Detection range: The instrument should come with two Range Adjustment Devices as follows:
  - One up to 400 to 500 meters and another up to 20 meters.
- The instrument should not only detect the human being, but also lock the person so in detection mode, once the life Detector has fixed on the target, even if it is moving, the life Detector should continue tracking the target.  
The Life Detector will be water resistant.
- The instrument should not need any power supply to work.
- It should have a built-in laser (used to show direction in dark areas) and it should be eye safe.

The laser environmental parameters for optimum performance will be:-

-Operating temperature: -10 to +45 degrees Celsius.

- The Laser should run on a rechargeable 9 V DC battery with operating time 10~12 hours (normal operating conditions). Suitable charger should be provided.
- Weight of Life Detector ; < 1Kg
- Hard carrying case or bag for accommodating the instrument will be provided.
- Instrument environmental parameters for optimum performance
  - Operating temperature: -40 to +85 degrees Celsius
  - Storage temperature: -40 to +85 degrees Celsius
- Minimum 20 such units should be in use in India with various search and rescue teams. PO copies and available certificates should be submitted with offer.
- The supplier will provide full training on the set to the users for two days. This training will include in-house classroom training on theoretical aspects and field training and techniques to ease detection.

**(Descriptive literature should be submitted with the quotation)**

**(2) SNAKE EYE CAMERA:-**

The Camera should be used for search & rescue, victim locating, checking for fire extension, confined space searches, fire checking for electrical hazards, checking for water leaks, police and swat team exercises and entry surveillance.

This camera also features a removable, color, LCD screen with video out connectors for remote viewing. It should be equipped with a lit camera head for use in dark of confined spaces.

**(Descriptive literature should be submitted with the quotation)**

Director,  
Fire & Emergency Services, Assam,  
Panbazar, Guwahati.

**NIT No. F&ES/PS/2003/103/Pt-I/ 4374-82**

**Dated Guwahati the 19.12.2013.**

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](http://www.asfso.org) .
9. M/S .....

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Director,  
Fire & Emergency Services, Assam,  
Panbazar, Guwahati.