

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

***NOTICE INVITING TENDER***

Sealed Tenders in **TWO BID SYSTEM** affixing Court fee stamp of Rs. 8.25 (Rupees eight and paise twenty five) only are invited from well established & reputed OEM or authorized Dealer, **for design, supply, installation, testing and commissioning of 1(one) No. Breathing Apparatus Training Gallery including related civil works at the site of Regional Training Centre, Sila, North Guwahati of the Fire & Emergency Services, Assam** as per Technical Specification and Terms & Conditions described hereunder.

It has to be developed with understanding of both the safety related regulatory requirements and the operational training needs based on the suppliers experience of setting up Training Galleries across the India with various Fire & Emergency Services Department.

Layout drawing of Breathing Apparatus Training Gallery is attached herewith.

The Bids may be sent by Speed Post/ Registered Post/ Courier Services or in person in sealed cover addressed to **“Director, Fire & Emergency Services, Assam, Panbazar, Guwahati-1”**. Tenders received after the closing date & time shall not be entertained. The Director, Fire & Emergency Services, Assam shall not be responsible for any postal delay. N.I.T. will also be available in departmental website i.e. [www.asfso.org](http://www.asfso.org)

**1) LAST DATE FOR RECEIPT OF TENDERS & OPENING OF TECH. BID:-**

Sealed Tenders in 2(two) separate covers i.e. Technical Bid and Price Bid will be received till **06.08.2015 up to 3 PM** by the Director, Fire & Emergency Services, Assam, Panbazar, Guwahati-1. **The Technical Bid will be opened on the next working day at 11.00 hrs.** In the event of specified date for tender opening being or is declared as a closed holiday for Govt. offices then the tender will be opened on the following working day at the same time.

**The equipment will permit:**

- (a) Safe and repeatable training for use of Breathing Apparatus under emergency.
- (b) Expected serviceable life 10 (ten) years.

**2) TERMS AND CONDITIONS:-**

- (i) The rates quoted should be per piece/ unit on firm price basis. No price variation will be permitted. The prices are to be quoted both in words as well as in figures on F.O.R. destination basis.
- (ii) The rates should be quoted separately with Custom Duty/ Excise Duty (if applicable).
- (iii) The tenders should be submitted in 2(two) Bid system as follows:
  - (a) First cover should contain the Technical Bid given the following details:
    - (i) Tender documents duly completed and signed but without indicating the rate quoted.
    - (ii) E.M.D. drawn on any Nationalized Bank for an amount of Rs. 2,00,000/- (Rupees two lakh) only in the form of demand draft/

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Banker's cheque in favour of Director, Fire & Emergency Services, Assam payable at Guwahati. EMD submitted in any other form or bids without EMD shall not be entertained. The EMD of the successful bidder shall be retained till completion of the works and shall not carry any interest. **If the successful bidder fails to execute the agreement and fails to submit the Bank Guarantee within the specified time (before placing the work order) or withdraws his bid within the validity period of the bid, the EMD shall be forfeited.** The EMD of the unsuccessful bidders will be returned within 30 (thirty) days after the finalization of the tender. Those firms registered with Central Purchase Organization/ NSIC are exempted from depositing the EMD/ NSIC are exempted from depositing the EMD.

- (iii) Attested/ notarized copy of PAN Card, up to date VAT Registration Certificate and Sales Tax clearance certificate should be submitted.
- (iv) The equipment shall be subjected to field trials at the purchaser's site. It shall be responsibility of the tenderer to install the equipment for field trial.
- (v) Details of the firm's manufacturing capability and installed machinery in duplicate. Purchaser reserves the right to get the manufacturing capability verified of all the firms irrespective of their registration through the inspection authority, if considered necessary.
- (vi) Performance statement of the last 3(three) years shall be submitted.
- (vii) Technical details/ leaflets/ brochures of stores shall be submitted.
- (viii) Apart from installation the equipment, the successful bidder shall conduct familiarization training for 7(seven) days at the Purchaser's site for familiarizing the employees about the operation and maintenance of equipment.
- (ix) Any other relevant documents which the firm may submit.
- (x) The firms are advised to submit separate compliance statement for subject stores in the following format along with the Technical Bid failing which offer will be treated as incomplete and shall be liable to be rejected.

Sl. No.	1	2	3	4
	Para of Tender Enquiry Specification	Specification of Stores offered	Compliance of T.E. Specification State whether Yes or No	In case of non-compliance deviation from T/E Specification to be indicated in unambiguous terms.

- (xi) The words "TECHNICAL BID" should be written clearly and prominently on the cover along with Tender Number, Name of Stores, Civil Works & Date of opening.
- (b) The SECOND COVER should contain the Financial Bid giving the following details:
- (i) Details of rates, taxes, duties and discounts (if any) quoted by the bidder. The details should be submitted on the official letter head of the firm.

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- (ii) The words “FINANCIAL BID” should be written clearly and prominently on this cover along with Tender Number, Name of Stores, Civil Works & Date of opening.
  - (c) Both the above mentioned covers should be sealed separately and thereafter be kept in a third cover and again sealed. This cover should be superscribed with the words “**TENDER FOR B.A. TRAINING GALLERY**” along with Tender Number, Name of Stores, Civil Works & Date of opening.
  - (d) Composite bids i.e. rates indicated openly in Technical Bid will be summarily ignored.
  - (e) The Technical Bid shall be opened at the first instance on the date of tender opening. Financial Bids of only technically acceptable offers shall be opened for further evaluation and ranking.
  - (f) The ranking statement shall be compiled on total unit cost including all taxes/ rates/ charges quoted by the bidder.
- 3) **Item wise price should be quoted. If bundled price is quoted, the tender may be summarily rejected.**
  - 4) No separate insurance charges will be paid. The price will be treated as inclusive of insurance charges for covering the transit/ loss/ risk/ damage up to the consignee’s end.
  - 5) Only those firms should respond who are the manufacturers or authorized dealers of manufacturers. A certificate to this effect from the manufacturer with reference to this particular tender should be attached by tender(s) who are dealers. The authority letter should contain an undertaking by the manufacturer accepting all the terms and conditions of the tender. A general authorization letter is not acceptable.
  - 6) The full name and status of the person signing the tender documents must be clearly mentioned in the Tenders.
  - 7) **Offers with a validity period of tender for 1(one) year from the date of opening of tender and delivery of equipment and completion period of civil works will be 150 (one hundred fifty) days from the date of placement of order.**
  - 8) No advance payment will be paid for delivery of equipment and civil works. 100% payment after supply, installation, commissioning of Breathing Apparatus Training Gallery and accepted by this department.
  - 9) Tender is not transferable.
  - 10) The Director, Fire & Emergency Services, Assam reserves the right to reject the lowest or any other tender(s) without assigning any reasons thereof.
  - 11) The bidder should give a warranty that the goods supplied & installed and civil works would continue to conform to the description and quality for a period of 1(one) year from the date of installation and accepted by the department.
  - 12) All the legal proceedings arising out of any dispute in connection with this contract will be subject to settle within the jurisdiction of the Courts in Guwahati, Assam.
  - 13) All supplies and civil works should be made according to the specifications, quantity and quality laid down in the tender document failing which they are liable to be rejected.
  - 14) The decision of the Director, Fire & Emergency Services, Assam shall be final as to the quality of equipment and civil works and shall be binding upon the tenderers. In case any of articles and civil works are not being found as per specifications, it shall be liable to be rejected or replaced. Any expenses or losses caused to the suppliers should be borne by the suppliers. The supplier shall ensure that articles supplied and civil works

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should be the best in quality and free from all defects. In case the equipment and civil works are found not comply with the warranty requirement, the Director, Fire & Emergency Services, Assam reserves the right to have the same replaced at the suppliers cost.

- 15) **The equipments are to be delivered to the Director, Fire & Emergency Services, Assam at Regional Training Centre, Sila, North Guwahati.**
- 16) In case prospective bidder requires clarification on technical specification of subject item he may inform the undersigned in writing within 10(ten) days from the date of issue of N.I.T. No such requests received after 10(ten) days from the date of issue of N.I.T. will be entertained by the undersigned.
- 17) Up-gradation of equipment and software if any, if required, shall be provided free of cost during the warranty period.
- 18) **Evaluation of the Tender:-** A 2(two) stage procedure will normally be adopted.
  - (i) **Stage – I:** Evaluation of Technical Bids to assess their suitability against the laid down Technical Specification. Tenderers must ensure that they enclose all original technical literature and detailed documentary proofs which specifically bring out the compliance of the equipment and civil works being offered against the Technical Specifications. In case it is not possible to verify compliance of equipment and civil works offered due to lack of adequate documents no reference will be made to tenderer and bid will not be considered further.
  - (ii) **Stage – II:** If required Functional Demonstration/ Field Trial Physical evaluation of the equipment and civil works found meeting the technical specification in functional demonstration/ physical evaluation will be done to verify the compliance of the equipment with the laid down technical specification. The tenderers will have to give such functional demonstration **on no cost no commitment basis at a location specified by the undersigned. In case of imported equipment, no assistance whatsoever will be provided by the undersigned in any matter whatsoever and it will be the tenderers responsibility to submit the samples on the appointed date, time and place. No requests in any manner whatsoever shall be entertained in this case.**
  - (iii) Price bids of only those equipment found acceptable in functional demo/ trial (if required) shall be opened, evaluated and considered further. It is the tenderers interest to include all relevant and detail technical data with their bid.
- 19) The tenderers shall provide free training if required, to the user at the time of installation/ commission supply of equipment to the users as appropriate for a minimum period of 1(one) week at the users location as specified by the undersigned.
- 20) The undersigned reserves the right to increase or decrease the quantity of equipment at any stage or to cancel or reject any/ all the tenders without assigning any reasons.
- 21) **If the terms and conditions of the N.I.T. are acceptable then the bidder should sign and affix their rubber stamp/ seal in acceptance on each page of the N.I.T. documents and return the same with their offer.**
- 22) **SPECIAL DIRECTION:**
  - (i) Fire & Emergency Services, Assam will provide required space for B.A. Training Gallery. Site requirements shall be specified in detailed by the bidder in technical officer.
  - (ii) **Previous Experience and reference list:-** Owing to the specialized nature of this training system, it is very important that the bidder/ OEM or authorized dealer have experience of setting up at least 3(three) B.A. Training Galleries in

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the last 5(five) years. Proof of such works is to be submitted along with the tender.

- (iii) **ISO Certificate**:- Current ISO 9001:2008 will be submitted with the tender.
- (iv) **Project Team**:- Details of project team assigned for this project will be submitted at the time of award of contract.
- (v) **AMC**:- Bidders shall submit the AMC for 5(five) years after warranty period is over.
- (vi) The Bidder/ OEM or authorized dealer must specify in their offer about the requirement of electricity, water and any other related support from the Fire & Emergency Services, Assam at site/ leveled plot of land that would be provided for this project.

Proper Plan of the room and installation shall be discussed and approved prior to start of work; any change in layout can be done after mutual understanding and documentation of the same.

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

### **TECHNICAL SPECIFICATION FOR BREATHING APPARATUS TRAINING GALLERY**

Sl. No.	Description	Quantity
<b>1</b>	<b>CONTROL ROOM AND SAFETY SYSTEMS</b> The exercise progress can be continually controlled, monitored and analyzed from the control room. Security facilities such as ventilation, security cameras, position indicator, emergency-Stop and removable lattices provide the highest possible safety for the trainees. The component of control room and safety system are as follows:	
<b>1.1</b>	<b>Control desk:</b> Control desk will be used for central control and monitoring, made up of the following system modules:	
<b>1.1.1</b>	<b>Basic unit:</b> Desk frame with following specifications: Paintwork textured finish, Brilliant blue, with three-section top at desk height, Mains supply with main switch 100 A, earthing Contact-type socket for service work, transformers for control Voltages: 220 and 24 V and orientation lights.	<b>1 No.</b>
<b>1.1.2</b>	<b>Clock :</b> Digital clock with LED display, integrated in control board.	<b>1 No.</b>
<b>1.2</b>	<b>Temperature Measuring System</b>	
<b>1.2.1</b>	<b>Temperature indicators</b> <b>For ambient temperature monitoring and heating zone temperature controlling</b> Digital, with LED digits Installation: in control board	
<b>1.2.2</b>	<b>Ambient-temperature sensor</b>	<b>1 No.</b>

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	Type: RTD, Range : 0 to 100 Degree C (min) Installation: training area	
<b>1.2.3</b>	<b>Radiant heat sensor</b> Special design with resistance indicator Type: RTD, Range: 0 to 100 Degree C (min) Installation: training area	<b>1 No.</b>
<b>1.3</b>	<b>Room Lighting</b> Consist of following:	
<b>1.3.1</b>	<b>Room lighting control system</b> During training switching is effected from control desk, Installation: in control desk	<b>1 No.</b>
<b>1.4</b>	<b>Acoustic Monitoring System</b>	
<b>1.4.1</b>	<b>Announcement System</b> With microphone and loudspeaker Includes a facility to stop working noise system for messages Output 25 W, Installation: in control desk.	<b>1 No.</b>
<b>1.4.2</b>	<b>Intercom (stations)</b> For connecting five stations Equipped with individual speak and call mode, choice of station switch, total 4 instruments Installation: one in Control desk and others on training area	<b>1 No.</b>
<b>1.5</b>	<b>Television Monitoring System</b>	
<b>1.5.1</b>	Screen diagonal: min. 7 “ Installation: Control desk	<b>1 No.</b>
<b>1.5.2</b>	<b>Circuit for desk monitor</b> Fuse contactor and luminous switch, with connection to lamp test circuit, for supply of desk monitor and cameras. Installation: in control panel.	<b>1 No.</b>
<b>1.5.3</b>	<b>Spotlight</b> Installation: in training room	<b>1 Set</b>
<b>1.5.4</b>	<b>Switching unit for Spotlight</b> Installation: in control desk	<b>1 Set</b>
<b>1.5.5</b>	<b>IR CCTV cameras with swivel head</b> With Built in min 8 pc LED Effective range up to 10 meters Will confirm to IP67	<b>4 Nos.</b>
<b>1.5.6</b>	<b>Switching unit for large-screen monitor</b> With video change-over switch, via which each of the scenes depicted on the desk monitors can be switched to the large-screen monitor and recorded on the video recorder. Installation: in control desk	<b>1 No.</b>
<b>1.5.7</b>	<b>Switching unit for reproduction on desk monitor</b> With video change-over switch, via which each of the scenes depicted on the desk monitors can be recorded on the video recorder. Replay via one of the desk monitors. Installation: in control desk	<b>1 No.</b>
<b>1.5.8</b>	<b>Large-screen monitor</b> With min. 37” picture tube diagonal, for video input signal, Installation: in control room	<b>1 No.</b>
<b>1.5.9</b>	<b>Video recorder</b> For recording and replay of training sessions System: CD player complete, including Compact disk. Installation: in control desk	<b>1 No.</b>
<b>1.6</b>	<b>Orientation aid</b>	
<b>1.6.1</b>	<b>Orientation light</b>	<b>4 Nos.</b>

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	For giving light signals when training in darkness and fog, with bulb 24 V / 2 W E 14, colourless cap and tool holder, for fitting in assembly grid of orientation section, movable. Installation: in Training room with on off switch	
<b>1.7</b>	<b>Ventilation system</b>	
<b>1.7.1</b>	Exhaust Air supply	<b>2 Nos.</b>
<b>1.8</b>	<b>Distress Signal Unit</b>	<b>4 Nos.</b>
<b>2</b>	<b>SIMULATION EQUIPMENT</b> In exercise labyrinths across several levels with many different training elements, orientation and resilience are practiced. Additional effects like smoke, background noises and darkness create realistic surroundings and test psychological resilience.	
<b>2.1</b>	<b>HEAT SIMULATOR</b>	
<b>2.1.1</b>	<b>Hot zone</b> Rating: 10 kW, comprising solid support made of steel profile, with tension brackets for fixing on supports of orientation section, overhang 350 mm. Installation: in Training room	<b>1 Set</b>
<b>2.1.2</b>	<b>Switching facility for hot zone</b> 10 kW, 2 stages Installation: in control desk	<b>1 No.</b>
<b>2.1.3</b>	<b>Protection cover</b> Suitable for hot zone 6 kW and 10 kW Back elevation: steel plate, painted matt black, Front: corrugated lattice, painted matt black Installation: in Training room	<b>1 No.</b>
<b>2.2</b>	<b>Smoke Generation unit</b>	
<b>2.2.1</b>	<b>Smoke Machine</b> For Mobile and Stationary use in the training room to produce artificial harmless fog with remote control. Installation: in training room.	<b>1 No.</b>
<b>2.2.2</b>	<b>Switching facility for Smoke generator</b> Installation: in control desk	<b>1 No.</b>
<b>2.3</b>	Noise Unit	
<b>2.3.1</b>	<b>Control unit</b> For noise system with Disk recorder, power pack and noise disk. Installation: In control desk	<b>1 No.</b>
<b>2.3.2</b>	<b>Loudspeaker for noise unit</b> Capacity: min 10 W Installation: in Training room	<b>2 Nos.</b>
<b>2.4</b>	<b>Light Effect Unit</b>	
<b>2.4.1</b>	<b>Control element for light-effect unit</b> With mains switch and three-port lighting console for connection to disk player. Installation: in control panel	<b>1 No.</b>
<b>3</b>	<b>TRAINING AREA</b> The training program offers different levels of difficulty and can be adjusted to the different physical abilities of the test persons. The maze order can be easily adjusted by simply changing the individual lattice elements. The training course thus offers ever new training conditions.	
<b>3.1</b>	<b>Orientation section</b> Minimum 32 m crawl section, storey height 1000 mm (+/- 10mm) and minimum 32 m walking section, storey height 2000 mm, (+/- 10mm ) grid size 1000 x 1000mm (+/- 10mm) free-standing, with diagonal bracing, made up of system modules comprising:	

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<b>3.1.1</b>	<b>Support 1000/2000</b> for one creep section with storey height 1000mm (+/_ 10mm) and one walk section with storey height 2000mm (+/_ 10mm) with tubular spacers made of steel 40 x 1.5 mm, galvanized, transfer joints with eight holes for fitting floor panels, assembly grids and obstacles, threaded feet for height adjustment and connecting elements for horizontal bracing.	<b>1 Set</b>
<b>3.1.2</b>	<b>Floor panel</b> 38 mm thick chipboard, as well as support profiles and diagonal ties made of steel for fitting in transfer joints	<b>1 Set</b>
<b>3.1.3</b>	<b>Assembly grid 1000</b> For fitting in orientation section, for storey height 1000 mm. Square profile frame 25 x 1.5 mm, corrugated lattice 50 x 50 x 4, and steel, primed, painted matt black.	<b>1 Set</b>
<b>3.1.4</b>	<b>Assembly grid 2000</b> for fitting in orientation section, for storey height 2000 mm. Square profile frame 25 x 1.5 mm, corrugated lattice 50 x 50 x 4, steel, primed, painted matt black.	<b>1 Set</b>
<b>3.1.5</b>	<b>Wall bracing</b> For solid fixing of orientation section at surrounding walls, with adjustable bar, steel, galvanized, 20 x 1 mm	<b>1 Set</b>
<b>3.2</b>	<b>Obstacles</b>	
<b>3.2.1</b>	<b>Obstacle "manhole 1000"</b> Perpendicular, for fitting in orientation section in same manner as assembly grid, for storey height 1000 mm, manhole diameter 600 mm, with locking element to prevent lifting out, steel, primed, painted matt black.	<b>1 No.</b>
<b>3.2.2</b>	<b>Obstacle "crawling pipe"</b> 3500 mm long, with two assembly frames for fitting in orientation section, for storey height 1000 mm contact-making via two floor panels, locking element to prevent lifting out, and steel, primed, painted matt black.	<b>2 Nos.</b>
<b>3.2.3</b>	<b>Obstacle "casement door"</b> Perpendicular - for fitting in orientation section in same manner as assembly grid, for storey height 1000 mm, steel, left-hand hinges with two casement fasteners, handles on either side, locking element to prevent lifting out. Steel, primed, painted.	<b>1 No.</b>
<b>3.2.4</b>	<b>Obstacle sliding door</b> Including lattice partition with rods, for fitting perpendicularly into orientation section, for storey height 1000 mm. Frame covers two sections so that opening one passage simultaneously closes the adjacent passage. Steel, primed, painted matt black. Frame: Square profile 25 x 1.5 mm with corrugated lattice.	<b>1 No.</b>
<b>3.2.5</b>	<b>Obstacle "inclined plane"</b> Can be hung into the orientation route as connection between the walking- and the crawling section. Waterproof chipboard, 38 mm.	<b>1 No.</b>
<b>3.2.6</b>	<b>Obstacle "pass through"</b> For usage in the orientation section, instead of a floor panel, Flake board, 38 mm thick, waterproof, manhole dia 600 mm with edge profile lid and a grab handle up and down for each closing by hand, after opening support profiles are made of steel for hanging into the strut attachment fittings.	<b>1 No.</b>
<b>3.2.7</b>	<b>Obstacle grid H (horizontal half)</b> Upper half filled with corrugated lattice 50 x 50 x 4 mm For fitting in orientation section with storey heights of 1000mm (+/_ 10mm), square profile frame 25 x 1,5 mm Including fixing buckles. Steel, primed, painted matt black.	<b>1 No.</b>

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<b>3.2.8</b>	<b>Obstacle grid HU (horizontal half)</b> Lower half filled with corrugated lattice 50 x 50 x 4 mm For fitting in orientation section, for storey height 1000mm (+/_ 10mm), Square profile frame 25 x 1,5 mm Including fixing buckles. Steel, primed; Painted matt black	<b>1 No.</b>
<b>3.2.9</b>	<b>Obstacle grid V (vertical half)</b> Can be hung in the orientation route for a floor height of 1000 mm (+/_ 10mm), Square profile frame 25 x 1,5 mm, half size perpendicular filled with corrugated lattice 50 x 50 x 4 mm. Including fixing buckles. Steel, primed Painted matt black	<b>1 No.</b>
<b>3.2.10</b>	<b>Obstacle grid D (diagonal half)</b> Can be hung in the orientation route for a floor height of 900 or 1000 mm. Square profile frame 25 x 1.5 mm, half size perpendicular filled with corrugated lattice 50 x 50 x 4 mm. including fixing buckles; Steel, primed, painted matt black	<b>1 No.</b>
<b>3.3</b>	<b>Intermediate profile</b> To fasten the obstacle elements in walking section. Steel, primed, painted matt black	<b>1 Set</b>
<b>4</b>	<b>WORK ROOM:</b> To finish off the training, an exercise room to be installed with following work equipment	
<b>4.1</b>	<b>Endless Ladder</b> Desired specifications are: Frame :Welded Tubular Steel Weight :260 lb. Size :H:65.5" / W:31.25"/ L:76" Power : 115 V /AC / 5 Watts (computer)	<b>1 No.</b>
<b>4.2</b>	<b>Treadmill</b> Desired specifications are: <ul style="list-style-type: none"> <li>• Belt Speed: 0~16Km (Opt 20 Km)</li> <li>• Motor : 3 HP AC motor</li> <li>• Walking Area : 580mm x 1700mm</li> <li>• Power Incline : 0~10% (Opt 20%)</li> <li>• User Capacity : 240 Kg</li> <li>• Power Dedicated : 230V, 50 Hz 15A, 1Ø</li> <li>• Floor Space (approx.) 2240mm x 940mm(88" x 37")</li> </ul>	<b>1 No.</b>
<b>4.3</b>	<b>Work Machine</b> Desired specifications are: <ul style="list-style-type: none"> <li>• Capacity : max load 50 kgs</li> <li>• Movement : 1 – 2 mtrs</li> <li>• Arrangement for seating</li> </ul>	<b>1 No.</b>
<b>4.4</b>	<b>Stationary bicycle</b> Desired specifications are: Digital Display which shows time, speed, calorie count, pulse rate etc.	<b>1 No.</b>
<b>5</b>	<b>CIVIL WORK :</b> a) To construct around 15.3 x 9.3 meter size structural shed with proper footing, plinth and considering earth quick resistance. b) Shed having a 6 inch brick wall with 3.5 meter height, is to be constructed around the 15.3x9.3 meter size shed with proper main entry or emergency exit door. c) Entire area of shed floor will be prepared with 6 inch proper stone soling and 4 inch M20 Grade concrete PCC. d) In this facility (shed) three different compartment that is work room (4.45 m x 3.85m), control Room (4.45m x3.85m), training room (11.m x 9m) and main entry and windows will	

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	<p>be given as per the drawing.</p> <p>e) The 0.6mm thick Galvalume sheet will be provided on top of the shed as a shelter.</p> <p>f) Further sheltering from two side should be achieved by fitment of Galvalume sheet of required height dropped down from the roof on two conical side.</p> <p>g) Detailed design and drawings of all the above work are to be made after site visit, survey work, soil test or with previous record of land.</p> <p>h) Refer Plan &amp; Elevation Drawing no AF/01/00</p> <p style="text-align: center;">Related civil work shall be carried out by the contractor as per the lay out attached.</p> <p><b><u>SITE REQUIREMENT TO BE PROVIDED BY FIRE &amp; EMERGENCY SERVICES, ASSAM</u></b></p> <p>A leveled plot of land 54 feet x 45 feet with dedicated supply of 99HP standard electricity, 230 / 440 VAC &amp; water supply to be provided by Fire &amp; Emergency Services, Assam for civil construction &amp; installation of BA gallery by the supplier.</p> <p><b><u>DOCUMENTATION AND TRAINING</u></b></p> <p><b>Operation manual</b> Manual shall be supplied containing the details of operating and maintenance procedure with proper layout diagrams</p> <p><b>Project Drawings</b> General Arrangement – Final site layout shall be submitted with the offer.</p> <p><b><u>WARRANTY</u></b></p> <p><b>Warranty Period</b> One year warranty shall be provided for all items supplied under the terms of this contract. This warranty period shall commence on the day immediately following that of the successful customer acceptance test.</p>	
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**NIT No. F&ES/PS/252/Pt/ 2546-54**

**Dated Guwahati the 16.07.2015.**

Copy to:

1. The Commissioner & Secretary, Govt. of Assam, Home & Political Department, Dispur for kind information.
2. The Director of Industries, Udyog Bhawan, Bamunimaidam, Guwahati – 21 for kind information.
3. The Senior Financial Adviser to the Govt.of Assam, Home (B) Department, Dispur for information.
4. The Deputy Secretary 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 .....

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

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