

**GOVERNMENT OF TAMILNADU
TAMIL NADU FIRE & RESCUE SERVICES DEPARTMENT
OPEN TENDER : 1 OF 2016**

GROUP : II

Tender document for procurement of “Air-lifting bags and other Rescue Equipments”

TOP SHEET

Tenders are invited from the manufacturer or an authorized distributor/dealer of the manufacturer for supply of the following items as per the specification given in the tender document:-

Sl. No.	Name of the item to be supplied	Quantity	EMD to be along with tender
1	Air-lifting bags 20 ton capacity consisting of 2bags along with accessories	7	20000
2	Pneumatic bag 40 tons capacity	3	7000
3	Electro Hydraulic Combi-tool	5	40000
4	Hydraulic Door Opener	14	21000
5	Diamond Chain Saw	2	3000
6	Smoke Exhauster Cum Blower	2	5000
7	Thermal Imaging Camera	1	10000
8	Victim Location System with BREACHING SYSTEM	1	10000

Other details:

1.	Address for Communication	Office of the Director, Fire & Rescue Services, No.17 Rukmani Lakshmipathy Salai, Egmore, Chennai 600 008.
2.	Cost of Tender Document	Rs.500/- only (inclusive of ST & SC) Additional Rs.100/- if required by Post.

Note: Alternatively the tender documents can be accessed from <http://www.tnfrs.tn.nic.in> and the same can be down loaded free of cost from the web site. The vendors who have downloaded the tender documents from the departmental website must intimate the same through the following email address asupt.tnfrs@gov.in so that any changes can be intimated. Otherwise, it will be considered that the vendor is doing it at his/her own risk.

3.	Earnest Money Deposit – Mode of Payment.	EMD amount as mentioned above may be furnished as Demand Draft in favour of the Director, Fire & Rescue Services Department, Chennai or specified small savings instruments or irrevocable bank guarantee. Note: EMD should be furnished as mentioned against each item.
4.	Last date and time for submission of the tender	07.04.2016 at 14.00 hours.
5.	Date, Time and Place of Opening of the tender.	07.4.2016 at 14.30 hours at the address mentioned above
6.	Specifications	Furnished in the tender document. Questionnaires have been made as a part of the specification. Answers to be furnished by the tenderer about their offers.
7.	Intimation of changes	Addendum or changes/amendments if any proposed to be issued will be put up in the above web-site. Hence, it is the responsibility of the tenderer to go through the website before submission of their tender.
8.	Type of Tender	TWO COVER SYSTEM (a) Technical Bid with EMD (b) Price Bid
9.	Name and address of the party to whom the tender documents sold in person or by post.	

Signature of the Tenderer/s with Date and Seal

Signature of the Tender inviting authority (not necessary if downloaded from the website)

Note : This Tender form should be signed by the Tenderer in each page and to be attached with their tender document. Price bid should be furnished in separate cover for each item.

CHECK LIST FOR THE TENDERERS IN FURNISHING THE TENDER DOCUMENT

1. Sign the tender form in each page and attach the same with your tender document.
2. Attach EMD as described in the tender form alongwith the Technical Bid in a separate sealed cover which may be named as “**Envelope – A**”. If exemption from EMD is sought for, **proof of certificate** given by the appropriate authority duly notifying the exemption available from payment for EMD for the items offered should be produced.
3. Attach questionnaire form given in the tender form duly filled and signed along with your tender document in “Envelope – A”.
4. Furnish the Sales Tax Verification details in the format prescribed in the Tender form in “Envelope-A” as mentioned in the tender document.
5. Furnish sample in respect of each item offered, so as to reach this Office along with tender on **20.04.2016** or directly produce the sample for verification before the Tender Scrutiny Committee through a representative on the intimated date and time and venue.
6. Attach price bids only in the prescribed format in the tender document in a separate sealed cover as Envelope- B.
7. The following address must be written on the **OUTER ENVELOPE**:
Administrative P.A to Director,
Office of the Director,
Fire and Rescue Services Department,
No.17 Rukmani Lakshmi pathy Road,
Egmore, Chennai 600 006.
Tamil Nadu, India.

This cover shall be superscribed “**TENDER FOR GROUP II – “Air-lifting bags and other Rescue Equipments”**”

Specifications:**Item No.1- Air Lifting Bags- 20 ton capacity**

High pressure pneumatic lifting bags of working pressure minimum of 8 Bar made of reinforced nitrile rubber or equivalent with 3 layers aramide reinforcement, non slip design, capable of being interlocked when 2 bags are placed on top of each other, quick connection with automatic double locking system, insertion thickness not more than 25 mm including profile resistant to ozone and range of chemicals etc of the following capacities:-

Lifting capacity	Type required	Approx. Inflation height (mm)	Weight approximate Kgs	Quantity required
20 tons	Square type	275	7	10 sets or 20 nos

The airlifting bags are to be supplied with the following accessories:-

- (i) Pressure reducer 300 bar to 8 Bar: 10 nos.
- (ii) Control box for operating 2 airbags with pressure gauges and carrying strap: 10 nos.
- (iii) Single Control Unit: 10 nos.
- (iv) Air Hose 5 metres: 10 nos
- (v) Air Hose 10 metres: 10 nos.
- (vi) Shuf off hose with safety valve: 20 nos.
- (vii) Connection piece to connect two air cylinders: 10 nos.

Item No.2 - PNEUMATIC BAG 40 TONS

Specifications:

PURPOSE

(1) Airlifting bag should be pneumatics appliance that can be used for variety of lifting purposes in rescue works in the wake of vehicle and railroad accidents, collapsed shelters or road clearance works amongst other situations. It can be slid into spaces below loads where normal jacks cannot be positioned. It can be used over uneven ground surfaces where again normal jacks will be unstable and dangerous. It can be used to relocate, topple, align and enable lifting by cranes or chain lifting systems.

SCOPE OF SUPPLY

(2) Each high pressure airlift bags is an air-jacking system comprising one bag size as below in term of maximum lift capacities with accessories as indicated in para below:

MIN. PERFORMANCE REQ.	WEIGHT OF BAG (kg)	THICKNESS (mm)	MAX.LIFTING HEIGHT (cm)
40 to 50 tons	Not more than 20	Not more than 30	Not less than 40

(3) Each bag will be provided with following accessories

- (i) 1 inflation hoses 5m with push lock couplers
 - (ii) 1 Double control unit 8 bar
 - (iii) 1 Pressure Reducer for air cylinder 200/300 bars
 - (iv) 1 Shut of Valve with Safety Valve
 - (v) 1 Compressed Air Cylinder 300 bar, 6 liters volume
- The bag will be made of multiple layers. The thickness of the bag should not exceed 28mm.
 - The bag should have anti-slip dimpled surfaces to provide good grip and high traction between the bag and surface of object to be lifted as well as if stacked on top of each other in case of more bags.

- Operating pressure of bag to be 8.0 bars. Bursting pressure >32 bars. Testing pressure followed to be 1.5 times the operating pressure (i.e.12 bars).
- Operating temperature -20 to +50 degrees centigrade for the bags.
- Certificate of conformance to international (EN) standards (EN13731).

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Item No.3- Electro - Hydraulic Combi-tool

(1) SPECIFICATIONS

The self-powered multi-purpose tool shall have the following:

- a) spreading force : not less than 700kN
- b) spreading force with closed arms 25 mm / 1 inch behind tips : not less than 30kN
- c) spreading distance : not less than 300 mm
- d) cutting performance of round steel bars : not less than dia. Ø 25 mm
- e) cutting force : not less than 275kN
- f) pulling force : not less than 30kN
- g) pulling distance with chain set : not less than 320 mm
- h) weight : should not be more than 16 kg w/o battery
- i) **Classification** – according to NFPA “ A6 / B6 / C6 / D 7 / E7 or better. Attestations/Certificates per EN 13204 and NFPA must be provided with the offer

(2) SPECIAL FEATURES

The self-powered multi-purpose tool shall have the following features:

- a) Control valve is central-positioned for left-handed, as well as right-handed operators. Preference will be given to the control valves in star grip design and thumb control with “deadman safety” mechanism.
- b) The Combi-tool shall be operated by an electrical cable with back up of incorporated rechargeable battery only. No separate hoses or external hydraulic power units are acceptable.

Tools with outside (external) separate batteries are not accepted. The battery shall be rechargeable and shall be easy and fast exchangeable by slide catch.

c) The tool shall be fully balanced and capable of operation at any position.

d) The housing shall be of shock absorbent material and break resistant.

e) The operation shall be as noiseless as possible.

f) The power of the tools should not decrease even with decreasing battery power, till the battery power is zero percent.

g) The technical report / attestation certificate for EN13204 and NFPA shall be provided with the offer.

(3) Accessories

a) Rechargeable Battery

Each individual electro/ hydraulic tool shall be supplied with a back up rechargeable high capacity LI / Ion – Battery w/o memory effect which provides a constant power to the tool for an intermittent Rescue Scene operation time of not less than 45-60 Minutes. Battery weight should be less than 1.5 kg. The power of the tools should not decrease even with decreasing battery power, till the battery power is zero percent. In addition spare battery to be supplied with each tool. The capacity of the batteries shall be of min. 5 Ah.

LED – Light on the Battery shall indicate the charging state.

The self discharge of the battery shall be as less as possible.

The battery shall be fixed on the tool by a clip mechanism which must withstand rough handling and cutting impacts. Batteries sitting outside the housing are exposed to external impact hence subject to damage with consequent tool failure. Therefore, the battery shall slip in its protected position inside the housing which provides necessary protection during operation.

(4) Electric Power supply cable

The electric power supply cable shall be equipped with :

- an electric power equalizing filter to hold the voltage constant even in the event of power fluctuation
- a high efficient electric rectifier from 230 Volts AC to 26 Volts DC protected by an impact resistant click in adapter fixed on the tool.

- The rectifier adapter shall be replaced easy and fast by the rechargeable battery w/o the use of special tool but only by click mechanism.
- The control cable shall be protected and highly insulated to withstand rough handling during rescue operation .
- The electric power supply cable (10m) shall be connected to any AC power outlet 230V
Either directly or through an electric reel no matter of which length.

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**Item No.4- HYDRAULIC DOOR OPENER WITH A MIN. OPERATING
PRESSURE OF 700 BAR**

SPECIFICATIONS

- (1) The kit shall be used for forcible entry and for lifting heavy objects.
- (2) The minimum spreading force should not be less than 89 KN.
- (3) The minimum spreading distance should not less than 100 mm.
- (4) The kit should consist of Hydraulic Door Opening Tool, Hand Pump of Foot Pump, Hydraulic High Pressure and flexible hose – 3m, Door Strap, Utility Bar-380mm, Dead-blow hammer.
- (5) The weight of the kit should not exceed 16 kg.
- (6) The kit should be supplied along with a user manual and with rugged bag.

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Item No:5- DIAMOND CHAIN SAW

Specifications

GENERAL

Diamond chain saw suitable for cutting reinforced concrete at least 350 mm thickness and with built in reinforcement up to 12 mm dia. Masonry bricks natural stone or other similar Material.

- (1) Engine—2 stroke petrol driven air cooled power shall be not less than 5 H.P.
- (2) The starter shall be shielded from the dust & water. It shall have electronic ignition protected from water and single spring clutch proofed from water and concrete.
- (3) Fuel capacity: 01 litre (Approx)
- (4) The noise level should not exceed 102 dB at 01 m
- (5) It shall be fitted with diamond chain, which runs over the guide bar. The chain saw shall be capable of cutting RCC up to 350 mm thick and iron rod up to 12 mm dia.
- (6) The water supply required by the chain while cutting shall not exceed 10 lts/ Min.
- (7) The chain saw shall also be provided with measures/Attachment for reducing the force required during cutting operation in order to reduce fatigue on operator.
- (8) It shall also be provided with foam covered full wrap handles, momentary contract on off switch, water pressure gauge, 360 degree swivel hose connector, sprocket side cover and guard flap for operator safety.
- (9) Weight: Not more than 20 kg.
- (10) Cutting rate: - 6" per min or more under normal circumstances.

TECHNICAL EVALUATION/INSPECTION

The technical parameter specified above shall be checked at the time of inspection. The supplier at his own cost shall provide all tools/Equipment/materials and facility required for testing inspection.

ACCESSORIES:-

(1) A spare diamond chain.

(2) Water Pump:

A water pump compatible supply of water with water tank Qty: 01 No.

(3) Suction Hose: compatible diameter minimum length of 3 meter.

(4) Delivery Hose:

Compatible with the equipments, length not less than 15 meters with appropriate connection to pump outlet .Qty 01 No

(5) Reducer: If required.

(6) Tool kit: Tool kit with necessary required tool.

(7) Packing Box: Qty 01 No

(8) Foldable water Tank.

NOTE:

(01) The confirmation that the equipment meeting the specification should be supported by adequate Documents/Literature etc.

(02) These Documents be numbered and attached after all appendices and the numbering may be in continuation.

Item No.6- SMOKE EXHAUSTER CUM BLOWER

It should be able to provide both positive and negative pressure ventilation. The unit shall feature a square construction design for strength and stability. The unit shall be designed with two top carrying handles on each corner for easy positioning and rapid deployment.

The ventilator shall have four (4) stabilizing rubber feet to ensure the unit shall remain stationary while running at full speed.

The entire frame of the unit shall be constructed of steel and shall surround the seven-blade 16" airfoil propeller to enhance lifting and user safety. The blade shall be constructed of precision cast of aluminum alloy #713. The blade shall be driven by the petrol engine that shall have a direct drive connection. The blade shall be precision balanced and attached to the engine shaft with a split taper-lock bushing. Any ventilators utilizing belts, pulley, gears, or additional shafts shall not be acceptable.

The unit shall be designed to attach a ventilation air duct to either the inlet or outlet side of the fan allowing for both positive and negative pressure ventilation.

The unit shall be tested to AMCA 210-99 (Negative Pressure or Shroud test with no entrained airflow) and the air movement shall exceed 4500 cubic feet per minute.

The ventilator shall be designed with the following:

Engine Manufacturer:	Honda or BriggsStraton Engine or equivalent
Horsepower:	Minimum 4.0HP, 4-cycle

Rotations per minute:	Not less than 2800 RPM
Airflow AMCA 210:	4,500 CFM
Dimensions:	16" deep x 20" wide x 20" high
Weight:	Approx 26 kg

The aforesaid unit should be supplied with high quality duct made with heavy-duty strips. It should come complete with a storage bag. The aforesaid unit should be supplied with highest quality suction with 16" dia duct with 20 feet and able to withstand negative pressure. Suitable adaptor should be provided to identify the negative pressure side. Test Certificate should be produced from the appropriate authority.

A minimum of 5 years warranty should be given. User manual should be supplied along with the equipment.

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Item no.7- THERMAL IMAGING CAMERA

Mechanical

- (1) The Thermal Imaging Camera shall be hand held and easily transferable between fire fighters without the removal of protective clothing
- (2) The camera shall remain operational after submersion in water as per IP67 water ingress test,
- (3) The thermal imaging camera should be lightweight weighing less than 2 kg (complete with Battery pack),
- (4) The camera shall be compact suitable of being carried easily,
- (5) The camera shall be ergonomically designed and the outer casing be manufactured from Fire retardant tough material

Performance

- (1) The camera shall use a detector capable of sensing and imaging infrared in the 8 – 14 micron spectral wavelength range.
- (2) The camera shall use a Amorphous Silicon (ASi) detector of 320 x 240 pixels sensor resolution or higher

- (3) The camera should be automatic in nature without requiring need for adjustments/ focus setting etc
- (4) The camera's detector shall have a refresh rate of 30 Hz or better
- (5) The camera shall have an option for removable germanium lens for long term serviceability and facilitating long life maintenance serviceability
- (6) The Camera should be able to start promptly within 8 seconds
- (7) The camera shall have a single on/off button, with delayed off to prevent accidental powering off.
- (8) The camera should be able to operate for a period of minimum four hours using standard Lithium iron Phosphate or Ni-MH rechargeable battery Pack. The Battery should be of long lasting durability with minimum 500 recharge cycles capability
- (9) The camera shall have a minimum 2.5 inch LCD display to allow multi-user viewing.
- (10) The Camera should be able to provide clear imagery at extremely hot temperature zone areas with dynamic range capability more than 1000 deg C without white out
- (11) The Camera should have image capture facility, capable of taking and storing more than 500 images
- (12) The Charger should be capable of charging with both 220 V AC supply as well as 12-24 V DC supply
- (13) The Camera should also be supplied with a retractable lanyard so as not to restrict fire fighter movement – when he is required to operate fire fighting nozzle.
- (14) Camera should be supplied with Rechargeable Battery capable to operate in ambient temperature of 80 deg C and having atleast 1000 recharge cycles. Nickel Metal Hybrid or Lithium Iron Phosphate are acceptable. Manufacturer battery certification will be required to confirm safe operation above 85°C (185°F)
- (15) The Battery replacement should be simple and fast process whereby the fire fighter is able to achieve battery changeover in a timely and simple manner on the scene whilst wearing the Fireman glove and without the use of tools

(16)The fire fighter must be able to quickly scan and search entire rooms.
Therefore a Thermal imager shall have a >45 degree field of view

(17)The lens assembly shall be protected by a user replaceable germanium window to provide a fast repair without the need to return to manufacturer.

Certification

(1)The Camera model should be certified to the NFPA 1801 :2013 standard on Thermal Imagers for the Fire Services

(2)OEM should provide certification related to Water and Dust Ingress Protection: EN60529 for IP67 confirming that the camera is waterproof to 1 m for 30 minutes

Warranty

The camera supplied, including supplied standard accessories, shall be warranted for a minimum of 18 months from date of delivery to the end user.

Quality Assurance

The manufacturer shall be accredited to ISO 9001 to ensure all quality, manufacturing and design systems are being met.

SCOPE OF SUPPLY

The Thermal Imager Set should be supplied complete with the following :-

- a) Thermal Imaging Camera : 1
- b) Rechargeable Battery Pack : 2
- c) Retractable Lanyard : 1
- d) Instruction Manual : 1
- e) Carrying Case/ Soft Bag : 1

Item No.8-VICTIM LOCATION SYSTEM WITH BREACHING SYSTEM

It should be a multi-purpose system used to locate victims trapped under debris, structural collapse due to earthquakes or under water during floods/drowning.

It shall have various features like color video & 2-way audio search features (for surface search) telescopic probe for enhanced search operations: Water proof Camera head with probe: Two way articulation: Integrated light weight probe: with 5" screen video display along with harnesses for hanging on chest for safety reasons (not allowing the screen to fall & damage accidentally): Variable intensity Xenon illumination: Rechargeable minimum 2 hour battery pack with charger & one spare battery set: as a stop gap arrangement dry cell battery can also be used in place of rechargeable battery. Moreover Vehicle charger adaptor should be included. Complete kit packed in a water & dust tight case with weight not more than 20 kg (w/o breaching system).

It shall have following TECHNICAL SPECIFICATIONS.

VIDEO (PAL)

Camera	Camera would be 1/3 CCD, 0.1-lux PHOTSENSITIVITY or
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	better.
Illumination	High intensity BULB (lamp having ATLEAST 100000 HRS minimum life.)
Display monitor	5" Display monitor should be flat screen, LCD Active matrix. This should have options as to the mounting, vest, chest, sling, belt, removable and arm mounted or hand held.
Recording	There should be a system for recording through an in built or battery operated portable mini digital video recorder (DVR) for minimum 2 hour recording.

AUDIO

Communication	2 way-Audio module facility with variable gain amplifier with speaker and microphone.
Operator Headset	Noise attenuating, with speaker and microphone.

DIMENSIONS

SYSTEM LENGTH	System Length would be articulating telescoping probe, 4 foot to 9 foot, combination aluminum and fiberglass for light weight, strength and improved system electrical performance
Camera housing dia	Camera Housing would be not more than 2" diameter with min 6 variable intensity LEDs
Articulation travel	180 total right to left
Viewing distance	7.0-10.0 m in total darkness.
Battery (belt mounted)	Battery life of 2+ hours rechargeable in approx 2 hours. Spare battery included, 110/220 50/60 Hz auto-switching charger included, and Vehicle charger adaptor included.
ENVIRONMENT temperature	Operational Operating temp should be -20 to +50 deg. C up to 95% relative humidity

With extra dry cell battery backup for emergencies when rechargeable batteries get drained.

WATER RESISTANCE

Camera head and telescopic probe should be waterproof. The system should be supplied complete with a 10 m cable so that same camera can be used without the telescopic probe also as & when desired.

Scope of Supply.

Articulating Telescopic Probe
Video Camera.

LCD (Flat Screen)
 2-way communication audio module
 Headphones with microphone
 Sun Shade
 Harness
 Battery with charger
 DVR with minimum 2 hour recording

The system must be CE certified from an independent testing laboratory, and the certificate for the same to be submitted with the offer without which the offer will be out rightly rejected.

BREACHING SYSTEM

A light weight breaching system operated by a 4-cycle Honda (or similar) minimum 30 cc engine with attachment for water and diamond studded bit of diameter more than the camera diameter and 12” length along with following accessories / spares:

- Pressurized water tank of min 10L capacity with at least 3m hose with connection fitting
- Spare fuel tank cap
- Spare spark plug
- Starter recoil assembly with tool kit

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Questionnaire to be filled by the Tenderer :

Note :

- Kindly give to the point and specific answers on a paper or letter head of your Company and put your signatures and seal at the end. In case you use more than one paper or letterhead, please sign and put seal on each page.
- Information given on unsigned papers or letterhead will not be taken into account
- The vendor if he wishes, may, apart from the answers to the questionnaire enclose brochures and leaflets. However, the information on any pamphlets or brochures submitted by the vendor may be used for corroboration and cross-checking of the information supplied by him or her in answer to the questionnaire but may not be used unless this information is provided in a signed answer-sheet carrying the seal.
- It will be presumed that a vendor who does not answer the questions in this questionnaire is either hiding the information or is not serious about selling his product to the Department.

Questionnaire

Describe the technical aspects in respect of each one of the items offered by you in your tender for the following items with reference to the detailed specifications given in the tender document under the following headings

	(Please furnish the particulars in a separate sheet or letter head duly signed by the tenderer)
Item no. 1. Airlifting bags- 20 tons with accessories	
(1)	Make and model of the offer
(2)	Approval if any given by an authorized agency
(3)	Lifting capacity
(4)	Inflation height
(5i)	Weight
(6)	Whether it is a square type?
(7)	Accessories proposed to be supplied
(8)	Please mention warranty details, free maintenance and whether training can be offered by you for your product
(9)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(10)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(11)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not.

Item no. 2. PNEUMATIC BAG 40 TONS	
(1)	Make and model of the offer
(2)	Approval if any given by an authorized agency
(3)	Lifting capacity
(4)	Inflation height
(5)	Weight
(6)	Thickness
(7)	Describe about anti-slip dimpled surfaces provided to the bag
(8)	Describe about operating pressure of the bag offered by you
(9)	Describe about operating temperature of the bag offered by you
(10)	Whether it is a square type?
(11)	Whether certificate of confirmation to international (EN) standards (EN13731) is available to your product
(12)	Accessories proposed to be supplied
(13)	Please mention warranty details, free maintenance and training can be offered by you for your product

(14)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(15)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(16)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not.
Item no. 3. Electro Hydraulic Combi-tool	
(1)	Make and model of the offer
(2)	Approval if any given by an authorized agency
(3)	Whether it is Electro Hydraulic operated one? Describe the same with reference to the specifications given in the tender document
(4)	What is the weight of the unit without battery?
(5)	What is the minimum spreading force at the tips in closed position? What is the maximum spreading force? and What is the spreading distance at the tips?
(6)	What is the cutting performance of round steel bars
(7)	What is the cutting force, pulling force and pulling distance with chain set
(8)	Describe about the special features of the unit with reference to the specifications given in the tender document
(9)	Describe about the accessories proposed to be supplied with the unit as per the specifications given in the tender document
(10)	Describe about the Electric Power Cable proposed to be supplied
(11)	Whether your product is according to NFPA “ A6 / B6 / C6 / D 7 / E7 or better.
(12)	Whether certification as per EN 13204 and NFPA is available for your product? and if so produce a copy of the same.
(13)	Please mention warranty details, free maintenance and whether training can be offered by you for your product
(14)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(15)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(16)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not.

Item no. 4- HYDRAULIC DOOR OPENER WITH A MIN. OPERATING PRESSURE OF 700 BAR	
(1)	Make and Model of the offer
(2)	Operating Pressure of the item quoted
(3)	Maximum spreading force
(4)	Spreading distance
(5)	Whether the kit contains Hydraulic Door Opening Tool, Hand Pump or foot pump, Hydraulic high pressure and flexible hose- 3 m, Door Strap, Utility Bar- 380 mm, Dead-blow hammer
(6)	Weight of the equipment
(7)	Whether the kit will be supplied with a rugged bag
(8)	Please mention warranty details, free maintenance and whether training can be offered by you for your product
(9)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(10)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(11)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not.

Item No.5- DIAMOND CHAIN SAW	
(1)	Make and model of the offer
(2)	Approval if any given by an authorized agency
(3)	Describe the cutting capacity of the unit
(4)	Type of Engine and Horse power
(5)	Describe about the features of the starter
(6)	Cutting rate
(7)	Fuel capacity
(8)	Noise level of the unit
(9)	Whether the unit is provided with measures/attachment for reducing the force? Describe the same

(10)	Weight of the unit
(11)	What are the accessories to be supplied with your product
(12)	Please mention warranty details, free maintenance and whether training can be offered by you for your product ?
(13)	Whether User Manual for this equipment will be provided?
(14)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(15)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(16)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not.
Item No.6- SMOKE EXHAUSTER CUM BLOWER	
(1)	Make and model of the offer
(2)	Approval if any given by an authorized agency
(3)	Describe about the construction of the unit with reference to the specifications given in the tender document
(4)	Whether the ventilator has four stabilizing rubber feet
(5)	Describe the capacity of the Airflow
(6)	Type of Engine
(7)	Horse power
(8)	Rotations per minute
(9)	Dimensions
(10)	Approximate weight
(11)	Describe the quality of the suction and size to be provided
(12)	Please mention warranty details, free maintenance and whether training can be offered by you for your product ?
(13)	Whether User Manual for this equipment will be provided?
(14)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(15)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(16)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not.

Item No.7 - THERMAL IMAGING CAMERA	
(1)	Make and Model
(2)	Approval if any given by an authorized agency
(3)	Describe the Mechanical features of the product offered by you with reference to the specifications given in the tender document.
(4)	Describe the performance of the camera of the product offered by you with reference to the specifications given in the tender document
(5)	Whether the camera is able to start promptly within 8 seconds
(6)	Describe about the Rechargeable battery pack provided for the unit
(7)	Describe about the capacity of the clear imagery at extremely hot temperature
(8)	Describe about image capture facility
(9)	Whether a retractable lanyard is supplied with Camera
(10)	Whether the Thermal Imager shall have a >45 degree field of view
(11)	Whether the lens assembly is protected by a user replaceable germanium window
(12)	Whether the Camera model is certified to the NFPA 1801:2013 standard on Thermal Imagers for the Fire Service
(13)	Whether OEM is having certification related to Water and Dust Ingress Protection with reference to EN 60529 for IP 67 confirming that the camera is water proof to 1m for 30 minutes
(14)	Whether the organization has the quality approval of ISO 9001
(15)	Describe the storage case proposed to be provided for the equipment.
(16)	Please mention warranty details, free maintenance and whether training can be offered by you for your product
(17)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(18)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(19)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not
Item No.8 – Victim Location Unit	
(1)	Make and Model
(2)	Whether the organization has the quality approval of ISO 9001
Describe the features of the following items with reference to the specifications given in the tender document	
(3)	VIDEO (NTSC or PAL)
	(1) Camera
	(2) Illumination
	(3) Display Monitor

(4)	AUDIO
	(1) Communication
	(2) Operator Headset
(5)	DIMENSIONS
	(1) System length
	(2) Camera housing dia
	(3) Articulation travel
	(4) Viewing distance
	(5) Battery (belt mounted)
	(6) Providing of Extra dry cell battery back up
(6)	ENVIRONMENT
	Operational temperature details
(7)	WATER RESISTANCE
	Describe the water proof resistance provided
(8)	BREACHING SYSTEM
	Describe the Breaching System provided
(9)	CERTIFICATION
	Whether the product is certified by any appropriate authority and if so attach a copy of the same from the independent certifying laboratory?
(10)	Description of the storage case proposed to be provided for the equipment
(11)	Please mention warranty details, free maintenance and whether training can be offered by you for your product
(12)	Whether you have any local authorised person or dealer to conduct free check up or to respond in case of any need? Whether the main spare parts will be available in local/India and how long it will take to supply the spare parts required in case of any need?
(13)	Please indicate the name, address, phone, fax and email address of the organisation to whom you have supplied the offered items within India during the past five years? Please furnish the performance certificate from the user organization if any with your bid. (attach separate sheet if necessary)
(14)	Whether you will produce sample for verification by the Committee as indicated in the tender document or not
(15)	Please mention warranty details, free maintenance and whether training can be offered by you for your product .

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Criteria for Evaluation of Tenders:

- ❖ This is a two-bid tender consisting of :
 - (i) Technical bid and
 - (ii) Price bid

- ❖ Technical bid which may be named as “Envelope-A” should contain the technical details of the items offered, commercial terms and conditions along with a list of

the enclosures such as proof in respect of manufacturer or the authorisation letter from the manufacturer, latest local tax clearance certificate if any applicable to the country/origin along with EMD.

- ❖ Price bid, which should be furnished separately as “Envelop – B” in the format prescribed in the tender form in a sealed cover, and the same will be opened only after evaluation of the technical bid,
- ❖ If more than one model is offered, the rate quoted only in respect of the model qualified for selection as per the criteria laid down for evaluation alone will be taken into consideration. Hence, separate price bid covers may be furnished for each model if more than one model is offered.
- ❖ If at any stage, a technical flaw is noticed in following the procedure, the procuring entity will take appropriate decisions and reserve the rights to relax or waive or modify at his discretion any of the condition in the interest of the Department so as to ensure that the overall objective of procurement is not defeated.
- ❖ The evaluation of the tender offers will be done in three stages. The rules laid down in Tamil Nadu Transparency of Tenders Act, 1998 and related rules will be scrupulously followed.

Stage I : Rejection of tender offer found technically defective :

- a) Only the tender document supplied by this Office or the tender documents which were downloaded from the department’s website at free of cost should be used and it should be resubmitted in full shape **without detaching any page from it.**
- b) (i) Each page of the tender document, including technical specifications should be duly signed for having noted the contents of the tender document. Tenders in any forms other than the forms and schedules issued by the department to the tenderer will not considered and will be rejected as non-responsive.
(ii) Further, the tenderers are requested to put the page number to the tender documents serially including all enclosures while submitting their tender.
- (c) (i) Those who do not submit the EMD, as defined in this tender document, along with the tender (unless the vendor is exempted by a specific rule provision for which documents must be submitted along with the tender to prove that the firm is exempted for this particular item) will not be considered.
(ii) In case of partial amount of EMD, the tender will be rejected straightaway and the offer will not be considered. In cases where exemption is sought, a plea for producing the exemption documents later will not be accepted.
(iii) EMD submitted in a manner other than that specified in the tender document will be considered as not submitted and the tender will be rejected.
- (d) (i) A vendor who does not answer all the questions in questionnaire will not be considered. Only those offers will be considered in which all questions in the questionnaire have been answered.
(ii) Oversight will not be taken as a reason for not answering a question. It is presumed that a vendor trying for a deal about equipment related with life saving would show adequate seriousness about furnishing details about the product offered by him or not.

- (e) While supplying information in response to the questionnaire answers such as “will be supplied later” or “will be informed later” will not be accepted. Such answers will lead to the conclusion that the vendor is either not an authorised dealer of the said company or is not serious about the deal.

Stage 2 (Evaluation of Essential Features as per specifications in the tender form):

1. If the tenderer is a manufacturer, attach a proof for the same
2. If the tenderer is not a manufacturer, the offer which is not accompanied with a zeroxed copy of an authorization letter from the manufacturer or some other incontrovertible proof that the vendor is an authorised distributor / dealer of the manufacturer, will be rejected.
3. An offer, which is not accompanied with a certificate of approval of the standard by the competent authority in respect of the product offered, will be rejected.
4. The answers given by the tenderer to the questionnaire will be taken into account for verification whether the offer made by the tenderer satisfy the specification and other requirements.
5. An offer which does not meet out the detailed specifications will be rejected. However, the procuring entity will take appropriate decision and reserve the rights to relax or waive or modify at his discretion any of the condition / specification in the interest of the Department, so as to ensure that the overall objective of procurement is not defeated.

Stage 3 : Selection of the suitable tenders :

The offers that are not rejected during stage 2 above, the technical bids will be further evaluated and finalised based on verification of the sample and the technical details given in the tender document.

Verification /Demonstration of sample on 20.04.2016

- Sample produced by the tenderers will be verified / tested by the Committee on the date to be specified by the Department in the presence of representative of the concerned tenderer. Hence, it is the responsibility of the tenderer to keep one sample in readiness, so as to produce the same along with tender on the stipulated date or to depute a responsible person to produce the same on or before the date for verification by the Committee without fail for verification. **No communication will be sent separately for production sample on the above said date.** Only if any changes in the date of production of sample, the same will be intimated through proper mode. Further, production of such a sample will, however, be no indication that the items are going to be procured from the vendor.
- In case, any vendor fails to produce the sample on the date fixed without proper reason, it will be presumed that he is unable to produce the sample and his offer will be rejected. **However, the DF&RS or the Committee consider that if the reasons stated by the vendor are reasonable, give more time for production of the sample.**

- While evaluation the tender, or after seeing the sample, additional details, if any required may be called for from the tenderers for which a message will be despatched to him through proper mode. Hence, it is the responsibility of the tenderer to furnish the additional particulars as and when called for. Furnishing of such additional details will, however, be no indication that it is going to be accepted. In case, any vendor fails to furnish the details called for within the stipulated time, it will be presumed that he is unable to furnish the details and not interested in his offer and his offer will be rejected.
- While evaluating the technical bids if any one of the tendered equipment does not suit the tender conditions as laid down in technical specifications, the DF&RS reserves the right.:
 - (1) To relax or waive or modify at his discretion any of the condition/specification in respect of the equipment in question in the interest of the Department,
 - (or)
 - (2) To reject all the tenders in respect of the equipment in question without assigning any reasons whatsoever and to suitably modify the numbers to be brought among the selected one of other tendered items to suit our requirement.

Price Bid Opening

- The Price bid should be furnished in the format given in the tender form in a sealed cover as indicated in the tender for each model separately. While giving the Price Bid, the price details like basic rate (i.e. the rate without taxes and duties) along with separate details of Sales Tax / Surcharge, CST, Customs Duty, Excise Duty, Freight charges, Octroi, Insurance for delivery and such other levies that may t be applicable **must be quoted in the format enclosed.**
- The Vendors whose offers have been found to be suitable for the use of this department based on the above mentioned criteria for evaluation alone will be called for opening of their price bid at a later date and time fixed by the department which will be intimated to the tender after the technical evaluation of the tender is completed.
- The Price Bid will be evaluated as per the criteria laid down in Tamil Nadu Transparency in Tender Rules 2000.

IMPORTANT INSTRUCTIONS TO THE VENDORS

1. The Vendor shall be the manufacturer of the item / items or an authorised distributor / dealer of the manufacturer,

In case the firm is an authorised distributor / dealer, it shall produce along with the tender – offer a certificate of specific authorisation from the original manufacturer of the equipment.

As a manufacturer, if the tenderer is in abroad, payment terms for imports shall be based on the standard terms of international trade and the payment will be effected through irrevocable letters of credit drawn on banks as per the rate fixed as per negotiation. Further, since it is an open tender the rate fixed as per negotiation and not exceeding the exchangeable rate of Indian Rupee applicable on the date of opening of price bid will be taking in to account for evaluation of price bids. The Tamil Nadu Transparency in Tenders Act 1998 and the Tamil Nadu Transparency in Tender Rules 2000 are applicable for the tender.

2. **Mode of submission of tender offer :**

(a) Sealed tenders containing :

- (i) Technical bid which may be named as “Envelope – A “ containing technical details, commercial terms along with a list of the enclosures such as proof in respect of manufacturer or the authorization letter from the manufacturer, latest local tax clearance certificate if any applicable to the country/origin along with EMD.
and
- (ii) Separate price bid as “Envelope – B” in a sealed cover in the format prescribed in the tender form.

will be received for and on behalf of the Tamil Nadu Fire and Rescue Services Department so as to reach on or before the due date prescribed. All the tenders shall be prepared and submitted strictly in accordance with the instructions set forth herein. The Tamil Nadu Transparency in Tenders Act 1998 and the Tamil Nadu Transparency in Tender Rules 2000 are applicable for the tender.

[Sealed Tenders means, it may be wax sealed or any other mode of seal at tenderer’s risk which could not be tampered]

b) The EMD in the prescribed format or, if exemption from EMD is sought, proof of exemption from payment of EMD and an undertaking in lieu of EMD should be produced along with sealed tenders.

c) The following address must be written on the OUTER ENVELOPE:

Administrative P.A to the Director (State Stores),
Office of the Director, Fire & Rescue Services,
No.17 Rukmani Lakshmi pathy Salai,
Egmore, Chennai 600 008.Tamil Nadu. India.

This cover shall be superscribed “Tender for supply of **“Group II- Air-lifting bags and other Rescue Equipments”** and this cover must reach the address at the above mentioned address on or before the date and time as indicated in the TOP SHEET.

d) The Tenderer has the option of sending the offer by Registered Post A/D or by Speed Post or by Courier or by air mail for overseas delivery before the date and time fixed.

e) Delivery of Tender in person will not be accepted on any account and the tender submitted after the last date and time will not be accepted under any circumstances.

f) The tenderers who could not send their tender by post can put the tender in the Tender Box kept for this purpose at the above mentioned address before the date and time fixed. The slit of the tender box shall be 28cm x 3 cm and therefore the cover should be brought of suitable size to move inside the slit.

g) Any relaxation in the mode of submission of tender will be considered only by the DF&RS and his discretion will be final.

Method of submitting Price Bids :

3. (i) While giving the Price Bid, the price details like basic rate (i.e the rate without taxes and duties) along with separate details of Sales Tax / Surcharge, CST, Custom Duty, Excise Duty, freight charges, Octroi, insurance for delivery and such other levies that may be applicable **must be quoted in the format enclosed**. The total of all these must be separately indicated as NET RATE.

(ii) The Tenderer from other States should clearly indicate the Sales Tax applicable for the purchase made by this Department in the price bid format. If the tenderer mentions that this department is eligible for availing concessional sales tax, the tender has to attach authentication for the same.

(iii) If the tenderer is from Tamil Nadu, concessional sales tax applicable for the purchases made by Government Departments will be taken in to account at the time of payment for which the certificate prescribed by the Sales Tax Department of the Tamil Nadu will be furnished.

(iv) Rates should be shown distinctly in words as well as figures. In case of a discrepancy between the rate in words and figures, the lower of the two shall be taken. If any discount offered by the tenderer, it should be furnished in the Price bid format.

6. The rate shall be valid for **180 days** from the date of opening of the tenders.

7. The item/items supplied by the successful bidder shall clearly indicate in the form of a permanent label or in some other indelible form such details as batch no. Serial No. Year of manufacture, name of the manufacturer etc to authenticate that the given item has been actually manufactured by the said manufacturer.

**UNDERTAKING FOR EXECUTION OF CONTRACT
Tender for the Supply of Articles**

(To be signed by the Tenderer)

To
The Governor of Tamil Nadu,
Represented by
The Director,
O/o the Director of Fire & Rescue Services,
No.17 Rukmani Lakshmipathy Salai,
Egmore, Chennai 600 008.

I, hereby contract and agree on the acceptance of this Tender to supply to the Government of Tamil Nadu (herein after referred to as “the Government”) in accordance with the conditions of contract stated below, the articles specified in the schedule below of the quality of sort and at the rate of price therein specified and I hereby forward a sum of Rs..... (Rupees only) as Earnest Money Deposit to be returned to me if this tender is not accepted.

If this tender should be accepted, I hereby undertake to execute within the date specified the department, a contract in accordance with the terms and conditions of contract aforesaid together with such further usual conditions as before the execution of the contract may be agreed upon between the successful Tender and the authority concerned in the Department.

Signature of the Tenderer
With Date and Seal

CONDITIONS TO BE INCORPORATED IN THE AGREEMENT TO BE MADE WITH THE SUCESSFUL TENDERER (INFORMATION TO THE TENDERER)

1. This contract is to last for one year certain from its date. But in the event of any breach of agreement at any time on the part of the contractor, the contract shall be terminated by the Director of Fire and Rescue Services, Chennai on behalf of the Governor of Tamil Nadu upon giving fifteen days notice to the contractor.
2. The articles to be supplied under this contract are to be of the quality or sort above mentioned and in every respect equal and answerable to be the patterns or submitted during evaluation and such as the Director or any other duly authorised by him shall approve.
3. The articles are to be delivered free of charge at the contractor's risk in such quantities or number at such times and in such manner as the Director of Fire and Rescue Services, Chennai or anyone duly authorised by him shall from time to time order.
4. Rejected articles shall be removed by and at the expense of the contractor within seven days after notice shall have been given him of the rejection. If not so removed, the Director of Fire & Rescue Services, Chennai may cause the articles to be removed and charge the contractor with all expenses incurred in such removal.
5. In case of failure by the contractor to deliver articles demanded from him within the period limited for delivery or in case of articles delivered by him not being the stipulated quality, sort, weight or measure or in case of articles being delivered without a correct invoice in triplicate, the Director of Fire & Rescue Services, Chennai or anyone duly authorised by him shall have power to reject any such articles and to purchase others instead of any articles so rejected or not delivered unless the contractor shall himself forthwith supply orders that shall be sufficient and satisfactory and any excess cost so incurred by the Government over the contract price together with all charges and expenses attending the purchase shall be recoverable by the Government from the contractor.
6. In case of failure to complete the supplies within the date of delivery specified in terms of the contract placed on the contractor the difference between his offer and the next selected offer shall be recoverable by the Government from the contractor.
7. The contract or any part, share or interest in it is not to be transferred or assigned by the contractor directly or indirectly to any person or persons whosoever without the written consent of the Director of Fire & Rescue Services, Chennai.

8. The Contractor shall make his own arrangement for obtaining import licences in respect of articles tendered for supply under this contract from the authorities concerned and in no case will his applications in this regard be forwarded.
9. With every delivery of articles under the contract, the contractor should send invoices or bills in triplicate, which after verification will be passed for payment.
10. The Government hereby agree that during the term fixed by this contract, and except as herein provided Government shall not purchase from any persons other than the contractor or from any Company or Corporation all or any quantities of the Goods or materials agreed to be supplied by the contractor.
11. Nothing herein contained shall prevent the Director of Fire and Rescue Services, Chennai from at any time requiring the contractor to supply and delivery any larger number of any one or more of the said articles than the number of the same mentioned in the said schedule and in any such case and so often as the same shall happen, the contractor shall and will supply and deliver as aforesaid such additional number of all or any of the said articles subject to the several provisions herein contained as shall be required by him and nothing herein contained to take from the contractor the whole or any of the said articles and the contractor shall supply and deliver under this contract only such of the said articles as shall from time to time be required by or on behalf of the Director of Fire & Rescue Services, Chennai.
12. Any Notice to the contractor shall deemed to be sufficiently served if given or left in writing at his usual or last known place of abode or business.
13. The contractor shall furnish money security for the due fulfilment of the Contract equivalent to **5 percent** of the total value of the supplies contracted for. This security may be in the form of Cash or Demand Draft or Banker's cheque or specified small savings instruments or where the procuring entity deems fit, irrevocable bank guarantee in a prescribed form.
14. Upon the complete fulfilment of this contract by the contractor to the satisfaction of the Government or any officer duly authorised by them, the security furnished by the contractor shall be returned to him, less the amount if any due by the contractor to the Government.

Noted the contents:

(Signature of the Tenderer)

**FORM OF CERTIFICATE OF SALES TAX VERIFICATION TO BE PRODUCED BY
AN APPLICANT FOR CONTRACTG OR OTHER PATRONAGE AT THE
DISPOSAL OF THE GOVERNEMNT OF TAMIL NADU.**

(To be filled in by the applicant)

1.	Name and style in which the applicant is assessed or assessable to Sales-Tax and address for the purpose of assessment	
2.	Name and address of all companies, firms or association or persons in which the applicant is interested in his individual or fiduciary capacity.	
3.	The districts, taluks and divisions in which the applicant is assessed to Sales Tax (All the places of business should be furnished)	
4.	(a) Total Contract amount or value of patronage in the preceding four years:	
	2011-12	
	2012-13	
	2013-14	
	2014-15	

(b) Particulars to Sales Tax for the preceding four years : -					
Year	Total T.O Assessed	Total Tax Assessed	Total Tax paid	Balance due	Reason for balance
(1)	(2)	(3)	(4)	(5)	(6)
2011-12					
2012-13					
2013-14					
2014-15					
(c) If there has been no assessment in any year whether returns were submitted and if they were, the division in which the returns were sent.					
(d) Whether any penal or proceeding for the recovery of sales-tax is pending.					
(e) The name and addresses of branches, if any.					

(To be filled in by the Assessing Authority)

In my opinion the applicant mentioned above has been / has not been doing everything possible to pay the tax demands promptly and regularly and to facilitate the completion of pending proceedings.

Date Seal

**Deputy
Assistant**

Commercial Tax Officer

A separate certificate should be obtained in respect of each of the places of business of the applicant from the Deputy Commercial Tax Officer or Assistant Commercial Tax Officer having jurisdiction over that place.

Note :

If the tenderer is not able to get the above certificate from the Commercial tax Department before the due date of tender, the details for in the format should be furnished along with tender. The certificate from the Assessing Authority may be furnished separately before finalisation of the tender.

OTHER GENERAL TERMS AND CONDITIONS FOR THE TENDER FOR THE SUPPLY OF THE TENDERED ITEMS TO FIRE AND RESCUE SERVICES DEPARTMENT.

Tender Form :

1. The Tender schedule is not transferable and only the tenderer to whom it is officially issued by the Fire and Rescue Services Department should use it.
2. The Vendors who have downloaded the Tender documents from the Departmental website must intimate the same through the following email address : asupt.tnfrs@gov.in so that any changes can be intimated. Otherwise, it will be considered that the vendor is doing it at his own risk.
3. Only the original tender document supplied by this Office or the tender documents which have downloaded from the department's website should be used and it should be resubmitted in full shape without detaching any page from it duly signed on each page for having noted the contents of the tender document. Xerox copies or copies typed on paper will not be accepted and the offer will be rejected.
4. Incomplete tender documents will be rejected.
5. When the tender is made by an individual, it shall be signed with his name and address and in case of partnership firm it shall be signed by one of the Partners empowered to submit tenders on behalf of the partnership as contemplated. If it is made by a Company or Corporation it shall be signed by an officer duly authorised for the purpose. In all cases, the status of the tenderer, whether a Proprietorship, Partnership, Company or Corporation should be furnished in the covering letter with full address of the tenderer's name, name of the partners, Directors etc. The Tenderer should also furnish such particulars / evidence as

may be required by the competent authority in this Department before execution of the agreement.

6. If any covering letter accompanying the tender document is in the tenderers letter head form, all terms and conditions printed therein should be scored out and duly authenticated. It should be distinctly understood that such printed terms and conditions in the letter head will not have any binding on this Department and those terms and conditions quoted in the tender document only will be considered.
7. No erasers, interpolations, or alterations will be allowed except when initialled by the tenderer.
8. The vendor if he wishes, may apart from the answers to the questionnaire enclose brochures and leaflets.

Earnest Money Deposit:

9. (a) Earnest money deposit should be paid along with tender by way of Bankers cheque or DD in favour of the Director of Fire & Rescue Services Department, Chennai should be compulsorily appended with the tender document as indicated in the Top sheet of the tender document. Specified small savings instruments or irrevocable bank guarantee will also be accepted. Personal / Company cheques will not be accepted.

(b) Any Tender submitted without EMD will be summarily rejected.

(c) If exemption from EMD is sought, proof of exemption from payment of EMD from competent authority duly indicating the eligibility for the item mentioned in the tender document along with an undertaking in lieu of EMD should be produced along with sealed tenders.

(d) In case of unsuccessful tenderers, their Earnest Money Deposit will be returned to them in due course soon after the final decision is taken on the tenders by the department. The Earnest Money of unsuccessful tenderers outside Tamil Nadu State will, however, be returned by money order or by DD and the money order commission or DD Commission will be deducted from the amount refundable. The Earnest Money Deposit will not bear any interest.

Prices : Details to be furnished and conditions :

10. (a) Rates should be shown distinctly in words as well as figures.
- (b) Prices quoted should include the cost of all accessories essential to make the equipment/article fully functional.
- (c) The price bid should be furnished as mentioned in the "Important instructions to the Vendor" given in the tender document.
- (d) If a foreign vendor is willing to participate in the tender directly, he should furnish his offer as mentioned in the "Important instructions to the Vendor" given in the tender document.

(e) Further, the tenderer shall agree to extend the validity of the tender without altering the substance and prices of their bid for further periods, if any, required by the purchaser.

(f) No charges other than those mentioned in the supply order will be paid under any circumstances.

Demonstration of equipment and Evaluation :

11.(a) The evaluation of tenders will be made as per "Criteria for evaluation of tenders' given in the tender document.

(b) The Tenderer should produce the equipment/materials which he has quoted in the tender document for demonstration before the evaluation committee on the date fixed for production. The tender will be rejected if the article is not produced for demonstration and Earnest Money Deposit is liable to be forfeited in the event of such failure.

(c) Each sample produced for demonstration must have a label attached to it, showing clearly the name of the tenderer and the country of manufacture.

Warranty

12 (a) The warranty period shall be as may be stipulated for the article concerned from the date of supply.

(b)The warranty shall cover defects in materials or bad workmanship under normal use and service for the period of warranty notwithstanding the fact that the material were inspected and approved by inspecting officers.

Acceptance of tender

13 (a) The lowest tender will not necessarily be accepted.

(b) Notification of acceptance of tender by the Department shall be deemed to result in and constitute a valid and considered contract binding on the tenderer. If the tenderer withdraws his / her tender after acceptance by the Department, the EMD shall be forfeited.

Release of Purchase Order.

14. The contractor should examine carefully the purchase order immediately on receipt and bring to the notice of the indenting officer within five days of receipt of purchase order and discrepancy with regard to the quantity ordered, specifications, packing, etc., for prompt rectification. The letter should be sent by registered post Acknowledgement due. Meanwhile, supply of the materials, which are cleared in all respects for despatch and acceptance by the consignees shall be arranged by the date mutually, agreed upon and should not be held up for any reason whatsoever.

Security Deposit

- 15(a) Security Deposit equivalent to **5** percent of the total value of the supplies contracted for will have to be furnished by the successful tenderer. This security may be in the form of Cash or Demand draft or Bankers' cheque or specified small savings instruments or where the procuring entity deems fit, irrevocable bank guarantee in a prescribed form. This is liable to be forfeited either in full or in part for any breach of conditions of contract or default on the part of the contractor.
- (b) If the successful tenderer fails to remit the Security Deposit and execute the agreement within the period specified the Earnest Money Deposit will be forfeited. The security deposit will be refunded only upon satisfactory fulfillment of the contract after completion of supply of the entire materials ordered and expiry of the guarantee period duly adjusting the amount due to the Department if any.
- (c) Security Deposit paid by the successful tenderer will not bear any interest.

Agreement

- 16 (a) The successful tenderer should execute an agreement in non-judicial stamp paper, having a face value of Rs.100/- or any other value intimated in the provisional order within the date specified therein in the Form, which can be seen at the Office of the Director of Fire & Rescue Services, Chennai, for the due fulfillment of the contract. The Stamp duty on the agreement shall be borne by the successful tenderer. The foreign vendor may authorize his Indian Representative to sign the agreement on his behalf.
- (b) On their executing the agreement, the Earnest Money will be returned to them. In case firms outside Tamil Nadu State the EMD will be returned by money order or by DD and the money order commission or DD commission will be deducted from the amount refundable
- (c) If the tenderer is from abroad, payment terms for imports shall be based on standard terms of international trade and the payment will be effected through irrecoverable letters of credit drawn on banks as per the rate fixed as per negotiation.

Delivery

- 17 (a) The rates accepted will be for delivery at such destinations as indicated in the tender document or in subsequent purchase order.
- (b) The delivery period should be mentioned by the Tenderers in their offers. However, the maximum time limit for supply of the goods will be fixed by the Director

while executing the agreement with the successful tenderer. The supplier shall reckon the delivery period from the date of receipt of the purchase order. The date of delivery as per postal acknowledgement due in the case of purchase order sent by post or the date of delivery if delivered in person or through special messenger shall be deemed to be the date of receipt of the purchase order.

- (c) Delivery period is inclusive of pre-delivery inspection. The date of delivery of materials in good condition to the consignees shall be the date of supply. The rate of progress indicated in the purchase order should be maintained. The materials should be delivered to the consignees as per the purchase order placed.

Acceptance of materials by the consignee:-

18. If on examination of the sample, any portion of the supplied materials / equipment is found to be damaged or substandard or not fully in accordance with the relevant specifications, the whole supply shall be rejected irrespective of the fact that this material was cleared under pre-delivery inspection. The materials / equipment should strictly conform to the specifications given in the tender conditions. In case of doubt whether the materials conform to the specifications or not, the decision of the consignee shall be final. The consignee has right to reject the equipment found not conforming to the specifications and they should be replaced within seven days at the cost of the supplier. □

Penalty: -

- 19 (a) Where their supply is not completed within the delivery schedule, without prejudice to the right of the Department to cancel undelivered portion of the purchase order, extension of time may, if so required by the contractor may be granted at the discretion of this Department. Such extension of time will entail recovery of penalty from the contractor at one percent per week, on the value of the undelivered quantities subject to a maximum of five percent of the value of the undelivered quantity. However, the Director may waive the penalty on valid reasons as per his discretion. .
- (b) The officer authorised by this Department will have the right to cancel the purchase order and to recover from the contractor liquidated damages at **2%** of the value of the undelivered quantity or the extra financial commitment to this Department on the purchase of the balance quantity, whichever is higher besides forfeiting the security deposit.

Performance guarantee

20. After successful completion of the the items, 10 percent of the payment amount will be retained during the warranty period as performance guarantee. Alternatively, if the tenderer gives an irrecoverable Bank Guarantee in lieu of the balance 10 percent, the

department reserves the right to accept the same. If the warranty period exceeds 2 years, the minimum period for which performance guarantee to be given and the alternative method to ensure the warranty period exceeding 2 years will be decided during the negotiation with the successful tenderer.

Payment:

21. On successful completion of supply to the satisfaction of the Fire & Rescue Services Department and on receipt of the invoice bill in triplicate, 100% payment will be settled immediately. If the tenderer is from abroad, payment terms for imports shall be based on standard terms of international trade and the payment will be effected through irrecoverable letters of credit drawn on banks as per the rate fixed as per negotiation.

Others:

22. The tenderer should furnish details of orders executed for Government Departments / Departments / autonomous boards etc., and details of orders on hand or pending execution. Certificates in proof of these should also be furnished.

23. The Director of Fire & Rescue Services Department, Chennai, acting on behalf of the Governor of Tamil Nadu or any other authority empowered in this matter shall have the right of rejecting any tender without assigning any reason for doing so.

24. The proposed quantity to be procured in respect of each item is mentioned in the tender document in relevant page. However, the Director of Fire & Rescue Services Department, Chennai or any other authority empowered shall have the right or requiring a successful tenderer to supply a greater number or reduce the number than the number or quantity mentioned in the schedule.

25. Tenders will be liable to rejection for the following reasons apart from any other reasons mentioned anywhere else in this document.

- a. If the country of manufacture and of the origin of material used in manufacture of articles is not noted in the tender.
- b. If the tender is not in the form supplied by this Office or downloaded from the departmental website.
- c. If the offer is not as per the specifications mentioned in this tender document.
- d. If samples of / models of articles quoted are not submitted as and when required for technical evaluation test.
- e. If the tender is not accompanied by the receipt of Earnest Money.
- f. If the tenderer enters any restriction on other conditions in his tender.
- g. If the tenderer enters one rate in figures and another in words and declines to abide by the lower of the two.

- h. If the tenderer alters the period of supply or expunges any clause in the form of tender, and
- i. If the tender is presented without signature.

Reservation of rights

26. The authority competent reserves the rights:-

(1) The Tender Inviting Authority may extend the last date and time for receiving tenders after giving adequate notice to all intending tenderers in cases where:-

- (a) the publication of the tender notice has been delayed
- (b) the communication of changes, in the tender documents to the prospective tenderers took time
- (c) any of the tenderers requested clarifications communication of which took time to all the tenderers and
- (d) any other reasonable grounds exist, for such extension which shall be recorded in writing by the Tender Inviting Authority.

(2) If at any stage, a technical flaw is noticed in following the procedures, the procuring entity will take appropriate decisions to ensure that the overall objective of procurement is not defeated.

(3) After negotiation with the tenderer and before passing the order accepting a tender, if the Tender Accepting Authority decides that the price quoted by such tenderer is higher by the percentage as may be prescribed over the schedule of rates or prevailing market rates, the tender shall be rejected.

(4) The Tender Accepting Authority before passing the order accepting a tender, may also reject all the tenders for the reasons such as changes in the scope of procurement, lack of anticipated financial resources, court orders, accidents or calamities and other unforeseen circumstances.

(5) The purchaser reserves the right to:-

- (i) vary the quantity finally ordered to the extent of 25% indicated in the Tender document.
- (ii) To split the tender quantity and place orders on one or more than one firm to meet the delivery requirements.
- (iii) Recover losses, if any, sustained by this Department, from the supplier who pleads his inability to supply and backs out of his obligation after award of contract. The EMD and the Security Deposit paid shall be forfeited.
- (iv) To cancel the orders for not keeping up the delivery schedule.
- (v) To award contract to one or more tenderers in respect of each item covered by the tender.

- (vi) To reject any or all the tenders without assigning any reasons therefor.
- (vii) To relax or waive or modify at his discretion any of the condition / specification in the interest of the Department.
- (viii) The decision of the tender accepting authority in this regard shall be final, conclusive and binding on the supplier.

Certificates and Details to be furnished

27. Latest sales tax verification certificate should also be appended with the tender document.

28. The following certificates should also be furnished, if

- i. Valid NSIC Registration Certificate, if registered under NSIC
- ii. Valid SSI Registration Certificate, if registered under SSI

CERTIFICATE BY THE TENDERER

I / we have gone through the terms and conditions and will abide by them as laid down above and in other sections of this Tender document.

I / We hereby declare that the particulars furnished by us in this offer are true to the best of my / our knowledge and we understand accept that, if at any stage the information furnished are found to be incorrect or false, we are liable for disqualification from this tender and also liable for any penal action that may arise due to the above.

**Signature of the Tenderer
with Date and Seal.**

Price bid should be furnished for each item separately PRICE BID FORMAT FOR SUPPLY OF “ GROUP-II- Item No.1- Air-lifting bags 20 ton capacity consisting of 2bags along with accessories” (Note: To be furnished in “ ENVELOPE –B”) (This format may be Xeroxed for furnishing price bid for different items)									
S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)
Note: Please answer the questionnaire:									
(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.									
(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids									

Signature of the Tenderer with seal

PRICE BID FORMAT FOR SUPPLY OF “ GROUP-II- Item No.2- Pneumatic bag 40 tons capacity ” (Note: To be furnished in “ ENVELOPE –B ”) (This format may be Xeroxed for furnishing price bid for different items)									
S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)
Note: Please answer the questionnaire:									
(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.									
(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids									

Signature of the Tenderer with seal

PRICE BID FORMAT FOR SUPPLY OF “ **GROUP-II- Item No.3- Electro Hydraulic Combi-tool** ”

(Note: To be furnished in “ ENVELOPE –B”)

(This format may be Xeroxed for furnishing price bid for different items)

S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)

Note: Please answer the questionnaire:

(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.

(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids

Signature of the Tenderer with seal

**PRICE BID FORMAT FOR SUPPLY OF “ GROUP-II- Item No.4- Hydraulic Door Opener ”
(Note: To be furnished in “ ENVELOPE –B”)**

(This format may be Xeroxed for furnishing price bid for different items)

S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)

Note: Please answer the questionnaire:

(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.	
(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids	

Signature of the Tenderer with seal

<p style="text-align: center;">PRICE BID FORMAT FOR SUPPLY OF “ GROUP-II- Item No.5- Diamond Chain Saw ” (Note: To be furnished in “ ENVELOPE –B”) (This format may be Xeroxed for furnishing price bid for different items)</p>									
S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)

Note: Please answer the questionnaire:

(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.	
(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids	

Signature of the tenderer

PRICE BID FORMAT FOR SUPPLY OF " GROUP-II- Item No.6- Smoke Exhauster Cum Blower"

(Note: To be furnished in " ENVELOPE –B")

(This format may be Xeroxed for furnishing price bid for different items)

S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)

Note: Please answer the questionnaire:

(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.

(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids

Signature of the tenderer

PRICE BID FORMAT FOR SUPPLY OF “ GROUP-II- Item No.7-Thermal Imaging Camera ”
(Note: To be furnished in “ ENVELOPE –B”)

(This format may be Xeroxed for furnishing price bid for different items)

S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)

Note: Please answer the questionnaire:

(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.

(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids

Signature of the tenderer

PRICE BID FORMAT FOR SUPPLY OF “ **GROUP-II- Item No.8- Victim Location System with Breaching System** ”

(Note: To be furnished in “ ENVELOPE –B”)

(This format may be Xeroxed for furnishing price bid for different items)

S.No	i) Description of article ii) Make and Model capacity iii) Country or origin of the article or components	Basic price (In case if the tenderer is from abroad, the prices shall be quoted either in U.S.Dollars, Pounds, Euro or any other freely convertible currency)	Sales Tax	Other taxes, levies, charges including Customs duty, Excise duty and transportation charges etc. (specify the type of tax/charge and the amount for each such item)	Total including Sales Tax and all other taxes and levies and charges	Quantity as per tender	Grand Total for entire quantity including all other taxes, levies and charge and Sales Tax.	Please mention if any discount is offered	Other details (FOR terms, Payment terms, Validity and Delivery Schedule should be furnished in this format)

Note: Please answer the questionnaire:

(i) Whether you are quoting concessional sales tax? if so, mention authentication for the same.	
(ii) If the authentication mentioned by you is not acceptable one, what will be the tax component to be taken into account in evaluating the price bids	

Signature of the tenderer