

GOVERNMENT OF TAMILNADU

TAMIL NADU FIRE & RESCUE SERVICES DEPARTMENT

OPEN TENDER 2 / 2022-23

Tender document for supply of “Fully Built Mini Emergency Rescue Tender”

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 detailed specification given in the tender document:-

Sl.no.	Short description of the tendered item	Quantity	EMD	Delivery period
1.	Purchase of “Fully Built Mini Emergency Rescue Tender” as indicated in the tender specification” (The Mini Emergency Rescue Tender shall have optimum storage space with lockers to carry the special equipments & tools and should be designed and to be mounted on suitable chassis which shall be procured by the tenderer at their cost to make the unit as custom built)	2	Rs.1,80,000/- (Rupees only)	150 Days

Other details:

1.	Address for Communication	Office of the Director, Fire & Rescue Services, 17, Rukmani Lakshmipathi Salai, Egmore, Chennai – 600 008, Tamil Nadu.
2.	Supply of Tender Document	<u>For down loading :</u> Tender document shall be down loaded at free of cost from the department’s Website. <u>Tender cost to obtain in person:</u> Rs.590/- (inclusive of GST) <u>By Registered Post:</u> Rs.690/- (inclusive of GST+Postal charges) The department will not be held responsible for any postal delay
<u>Note:</u> The tender documents can be accessed from http://www.tnfrs.tn.gov.in and the same can be down loaded at 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 addresses adddirectoroperation101@gmail.com , tnfrscamp@gmail.com , 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. According to the items for which the tenderer wishes to quote, he has to attach aggregate EMD for the same under relevant Serial numbers.
4.	Last date and time for submission of the tender	27.10.2022 at 14.00 hours.
5.	Date, Time and Place of Opening of the tender.	27.10.2022 at 14.30 - 15.30 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

Deputy Director (Administration) /
Full Additional charge
Tender Inviting Authority
(signature of Tender Inviting Authority not necessary if downloaded from the website)

Note: Each page of the tender form should be signed and to be attached with the tender document.

IMPORTANT INSTRUCTIONS TO THE VENDORS

- 1 (a). The vendor shall be the manufacturer of the item/items offered or an authorized distributor/dealer of the manufacturer.
 - (b) In case he / she is an authorized distributor/ dealer, he / she shall produce along with the tender-offer a certificate of specific authorization from the original equipment manufacturer.
2. (a) EMD should be furnished in the form of Demand Draft or Bank Guarantee from any Nationalized Bank in the name of "Director, Fire and Rescue Services, Tamil Nadu".
 - (b) Please note that exemption from payment of EMD under SSI and NSIC certificates is allowed only if products quoted i.e. "Mini Emergency Rescue Tender" is fully covered for manufacturing by the tenderer himself as per the schedule approved by the SSI/NSIC in their certificates issued to the tenderer. If exemption from EMD is sought for, proof of exemption certificate from payment of EMD and an undertaking in lieu of EMD should be produced along with sealed tenders, subject to verification from the authorities concerned.
3. The inspection of the goods proposed to be delivered will be made by the officers nominated by the Director of Fire and Rescue Services. Hence, if the inspection of goods is proposed to be arranged at manufacturer's site or any other place than this Department Headquarters at Egmore, Chennai the charges for deputing this departmental officers should be borne by the tenderer at his cost. In view of the above, duly taking into account the above aspects, the price bid furnished by the tenderer should contain the break up details of basic price, Custom duty, freight charges, GST, insurance for delivery and such other levies.
4. The Tamil Nadu Transparency in Tenders Act 1998 and the Tamil Nadu Transparency in Tender Rules 2000 as amended from time to time is applicable for this Tender.
5. Mode of submission of tender offer:
 - (a) Sealed tenders containing:
 - (i) Technical bid in a separate sealed cover 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 for **Supply of "Fully Built Mini Emergency Rescue Tender"** 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.

- (b) 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.
- (c) 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.
- (d) The tenderers who is interested to submit their tender in person to this office may 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 28 cm x 3 cm and therefore, the cover should be brought of suitable size to move inside the slit.
- (e) Delivery of tender in person on hand to any staff of this department will not be accepted on any account.
- (f) The tender submitted after the last date and time will not be accepted under any circumstances.
- (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:

- 6. While giving the price bid, the price details like basic rate (i.e. the rate without taxes and duties) along with separate details of GST with HSN Code, freight charges, insurance for delivery, any other levies and delivery charges that may be applicable must be quoted in the format enclosed. The total of all these must be separately indicated as NET RATE. 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.
- 7. The rate shall be valid for 180 days from the date of opening of the tenders.

Check list for the tenderers in furnishing the tender document:

Envelope A: Technical Bid with EMD

This sealed envelope should contain the followings:

- (1) Attach EMD along with Covering Letter in Company's Letter head.
- (2) Attach authorization letter obtained from the Original Equipment Manufacturer in respect of the items which are not manufactured but furnishing offer as authorized distributor/dealer of the manufacturer.
- (3) Attach technical bid of the offers quoted with catalogues, xerox copies of certificates relevant standard mentioned in the specification and test certificates duly self- attested.
- (4) Attach a xerox copy of previous supply orders with proof of supply to various Government Departments/organizations during the last 3 years duly self- attested.
- (5) Attach Questionnaire form given in the tender form duly filled and signed
- (6) Attach the "**Undertaking for Execution of Contract**" in the form prescribed in the tender document.
- (7) Furnish a copy of GST Registration Certificate along with a copy of GST Return filed for the financial year 2019-2020, 2020-21 and 2021-22 duly self attested. If the assessment is pending, a certificate to the effect obtained from the concerned Sales Tax authority may be attached.
- (8) Attach a copy of GST Registration Certificate, PAN and I.T. Returns filed for the financial years 2019-20, 2020-21 and 2021-22 along with Profit and Loss Account Statements for the financial years from 2019-20, 2020-21 and 2021-22 duly prepared and signed by their Chartered Accountants. All the documents should be self attested
- (9) Attach the tender form duly signed with seal in each page by the authorized person for having noted the contents of the tender document.

Envelope B: PRICE BID

This sealed envelope should contain only price bids in the format prescribed in the Tender. All columns should be filled and to be signed with seal by the authorized person.

If different models are quoted, price bid cover should contain the rates for each model separately in a sealed cover.

OUTER COVER

The outer cover should contain the Sealed Envelopes “A “and “B” and the following address must be written on it:

Deputy Director(Administration)/Full additional charge
Tender Inviting Authority,
O/o. the Director, Fire and Rescue Services Department,
17, Rukmani Lakshmipathy Road, Egmore, Chennai-600008,
Tamil Nadu.

The outer cover shall also be sealed and superscribed as **Tender document for Supply of “Fully Built Mini Emergency Rescue Tender”** as indicated in the tender specification.

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SPECIFICATION FOR SUPPLY OF FULLY BUILT MINI EMERGENCY RESCUE TENDER

1. SCOPE

This standard lays down the requirement regarding design, material, construction, workmanship, finish, accessories and acceptance test of mini emergency rescue tender. The specifications are drawn in line with technical specification for light emergency rescue tender in RMSI general specification.

2. General:

The fabrication of mini emergency rescue tender shall be carried on a LCV chassis having gross vehicle weight not less than 10 Ton minimum 90 BHP – BS VI emission norms chassis which shall be procured by the tenderer at their cost. The appliance shall have a minimum of tools & equipment to tackle the emergency situations.

3. Chassis:

Manufacturer	: Ashok Leyland / TATA / Eicher/ Mahindra / Bharat benz /SML
GVW	: Not less than 10 tons
Engine & horse power	: Diesel engine having not less than 90 BHP
Wheel base	: Not less than 3700 mm
Emission norms	: BS-VI
Steering	: Power steering

4. BODY WORK:

4.1. CREW CABIN

Enclosed accommodation for crew compartment to a minimum of five persons shall be provided. For driver and officer, company fitted tilt type cabin coming along with chassis shall be retained. The design of the crew compartment shall be such that it affords maximum possible vision. Two hinged doors shall be provided on each side of the

appliance for easy access to crew members. All doors shall open outward and hung forward.

The locking arrangement shall be with double catch striking plate. Non-slip step and grab rails shall be provided to assist the crew to get in and out. All the seats shall be fitted with 100 mm thick foam cushion. All windows shall have safety glasses and all glasses be fitted with Sliding type.

Flooring of the crew cabin shall be fabricated out of MS angles of 50 x 50 x 6mm thick which shall be properly welded/ bolted to the cross members. The complete external paneling of crew cabin including doors shall be of 16 SWG Aluminium sheet with all the joints riveted and bided except the roof top paneling, which shall be of 2 mm thick aluminium sheet. The domes and the corners shall be as small as possible and shall be of 16 SWG Aluminium sheet with all joints riveted to the super structural members. The roof top plates shall be overlapped by 70 mm and riveted in a double row with solid rivets. The complete flooring of the crew cabin shall be fabricated from 3.15 mm aluminium chequered plates rigidly fixed to the under frame cross members by means of nuts and bolts or riveting. Trap doors for topping up wherever necessary shall be provided. Water proofing treatment shall be given to crew's cabin to avoid water leakage inside the cabin. All the MS super structural members and under frame cross members shall be painted with three coats of rust preventive paint. All the under frame cross members shall be painted with two coats of chassis black paint. The construction of cab shall be such that the roof shall support the weight of two men without damage. A horizontal hand rail shall be fixed in front of the crew member's seat. Inspection/ maintenance hatch of removable type shall be provided in the cabin for gaining access to gear box.

Each cross member shall be secured to the chassis framed by "U" clamps with aluminium packing block and self locking nut. Ballato packing of 12mm thickness shall be provided in between the chassis and cross members. Drag hooks/eyes shall be fitted on each chassis member at front and rear and one towing hitch shall be provided at the rear portion for towing one ton trailer

4.2. REAR BODY WORK:

The rear body/ structure work shall be of welded constructions and made from 2mm thick MS pressed sections and square tubes. The angles and channels shall be of 3 mm thickness. The complete structure shall be treated for anti corrosion by Zinc plating. The plating thickness shall not be less than 20 microns. Two coats of anti corrosive paint shall be applied to the welded structure. The structure shall be so designed so as to avoid any vibration/ rattling/ deformation in the intended usage of the vehicle. The under frame cross members shall be done form MS rolled channels of 100 x 50 x 5mm(min) and the floor angles shall be done from 50 x 50 x 6mm. The interior & exterior paneling shall be done from 2 mm thickness aluminum sheets.

4.3. Lockers

The lockers shall be provided for storage of all equipments mentioned in the below specifications. The lockers shall have drawers as per latest international standards. Roll in roll out type with opening in tapered position giving very easy & immediate access to all equipments. All equipments & tools should be stowed very scientifically & systematically in the drawers & each piece of equipment shall have its designated location so that at the time of emergency, the required location can be very easily located& taken out for use. Location of equipment (labels) should be provided on each drawer for easy identification. All the equipments should be properly clamped /

strapped in the drawers to prevent shifting and vibration while the vehicle is in motion.

The drawer sides shall be made from aluminium angles of minimum 100mm x 4 mm thickness and the bottom floor of the drawers will be made from min 3mm thickness aluminium sheets and then covered with good quality neoprene rubber sheets. The drawers shall have self lock system to prevent accidental opening while vehicle is in motion. The bottom edges of the drawers shall be covered with SS304 angles of min 2mm thickness. The Roll-in & Roll-out drawers shall be made according to the required size suitable for equipments that are to be stowed.

The lockers shall be covered with push-pull type aluminum roller shutters. The roller shutters shall be made from extruded aluminum sections with suitable roller, spring, guide channels etc. All aluminium sections used shall be properly anodized. The roller shutters shall be rolled inwards underneath the roof giving unobstructed access to the equipment lockers. These roller shutters should open in every position of the vehicle even in rough terrain. Guide rails shall support the shutters over entire length on both sides to make them absolutely torsion free.

The opening rolling shutters should be done by means of a lift bar provided. This should be of the self locking type so that the shutters do not open accidentally while the vehicle is in motion. Roller shutters shall be made of hollow rectangular shaped aluminium links which shall be inter connected with rubber / plastic/ PVC profiles sealing the roller shutters watertight when closed. These roller shutters shall be durable, maintenance free, weather and corrosion resistant. All lockers shall be fitted with internal lighting which shall be capable of being automatically switched – ON&OFF by the opening and closing of

shutters. A master switch for isolating locker lighting circuit shall also be provided in the driver cabin. Grab rails and non-slip steps shall be provided wherever necessary. A ladder made out of SS round or square pipe of 1" diameter shall be provided at the rear of the appliance to provide easy access to the roof of the vehicle.

5. Alternator unit:

A 230/400 V 50 cycle portable diesel engine driven Generator shall be provided. The generator shall be screen protected, continuously rated, self excited, self regulating class "E" insulation type having an output of not less than 6.5 KVA, 230 /400 V three phase. The alternator shall be equipped with a direct coupled flange mounted exciter which shall keep the alternator voltage constant and provide an approximately straight line voltage characteristic within 5 percent at all loads, and at a pre-set factor between 0.8 and unity.

Controls shall be near the generator which shall consists the following:

1. Three sockets with control switches in three phase line
2. Four sockets with control switches (MCB's) in single phase line at a min of 15 amp capacity.
3. Digital RPM meter
4. KW meter
5. Ampere meter for each phase (Total -3)
6. Frequency meter
7. TPN MCB (32 AMPS)
8. Hand throttle control
9. Automatic voltage regulator
10. Pilot lamps for each phase
11. Engine cooling water temperature gauge

Two cable reels each with 30m of cable shall be provided for single phase connections. The cable shall be a 3 core heavy duty flexible

cords 250V grade having a conductor of cross section 4mm confirming to IS 434(Part-1) :1964 or IS 694:1977 along with necessary plugs and sockets.

Two cable reels each with 20 m of cable shall be provided for three phase connections. The cable shall be heavy duty 5 core flexible cords 440V grade confirming to IS 434(Part-1) :1964 or IS 694:1977 along with necessary plugs and sockets. An earthing rod with 3m long flexible earthing (flat type) shall be provided and should be placed in a closed box near the control panel.

6. Cable winch

An electrically operated cable winch which is having not less than 6.5 ton pulling capacity shall be provided. The winch unit should be complete with minimum 5.5 hp, 12v DC series wound electric reversible motor for pulling operations. The motor and solenoid shall be grounded to the battery. It shall have an automatic load holding brake system to hold the load. For free spooling the clutch design shall be easy to use type with spring loaded pull and rotate system. The gear system shall be 3 stage planetary type for faster line speed and the gear reduction ratio shall not be more than 300:1 for maximum duty cycle, the rope drum shall not be of more than 8 inches diameter and shall be supplied with a minimum of 90 ft heavy duty galvanized EIPS wire rope with replaceable self locking clevis hook and shall be mounted on the front bumper of the vehicle with suitable strong supports and a four way roller fairlead. Weather resistant clutch housing and solenoid assembly for maximum durability under any weather should be provided. Winch shall be provided with a wireless remote control system for ease of operation.

7. Telescopic light mast

A compact , low profile, roof mounted folding type lighting mast fitted with 4 x 100 watts water proof LED lamps shall be fitted rear side of the vehicle. The mast shall be elevated and vertically extended up to 4.5 m pneumatically from the roof top. The mast shall be installed on the roof of the vehicle. The light mast shall operate in temperatures of -40°c up to 60° C, with anti-twist lock, with safety valve and drainage outlet valve. The mast will be equipped with an aspirated electrical cable. The folded and stowed height should not be more than 1800mm. The flood lights on the top should have a minimum electrical rotation of 360° and a tilt of 310°. Suitable connections for taking permanent power supply from generator set through an internal spiral wire mounted inside the mast should be provided.

All the functions of the mast, including extension and return to the original position, lights ON/OFF, automatic restore should be capable of being done through a wired remote control. The same remote control must work without wire (wireless mode) through a male/female connector IP68 which keeps the battery under charge, whenever the remote is plugged and there is tension on the power circuit. Every single input given by the user, no matter which, will be confirmed by a visual LED and an additional LED will confirm the battery status. Every single group of 2 lights when switched on will have a corresponding LED alight on the remote control that will go off only when the lights will be switched off. Every single input given by the user on the remote control will make the whole remote keyboard alight for not less than 15 seconds.

8. Ladder gallows:

Ladder gallows shall be provided for carrying 7.5m aluminum extension ladder. The design shall be such that the ladder can be

released without difficulty from reasonable access position and shall embody rollers/bearing to permit easy withdrawal by one man. Means shall also be provided for locking the ladders when stored.

9. Workmanship and finish

All parts of the appliance shall be of good workmanship and shall have streamline finish. All mechanical and other part shall be such that parts normally required to be replaced can be supplied and fit correctly.

10. Painting

The complete super structural members shall be painted with two coats of Red Oxide primer and two coats of chassis Grey paint. The complete external and internal aluminium paneling of lockers etc. shall be painted with two coats of aluminium primer. To provide very high corrosive resistance in metal structures; it shall be treated with anti-corrosive treatment.

The complete exterior of the vehicle shall be painted with two finish coats of RAL-3000 colour shade (flame red) reputed brand paint for long lasting glossiness. The names and logo reflective stickers of the department shall be pasted on both sides of vehicle at suitable places in consultation with the department officers.

11. Warning beacon lights:

1 No of Flickering LED Beacon bar light head of Red, Blue and White colour with Hooter & P. A. System shall be mounted on top of the driver cabin. The size of the beacon bar light shall not be less than L-1200 x W-300 x H-120 MM. 2no Dual Red-White and 2no Dual Blue-White Scene-Lighting LED blinkers with inbuilt flasher shall be installed on both sides of the body. 2 no of blue-red combination flickering lights shall be fitted in the radiator grill. Two big square size (blue-1 No & Red-1 No) flickering light shall be fitted in rear side of the appliance.

The blinkers shall have an option of minimum 12 watt spot lighting along with blinking for low light visibility. Blinkers and Beacons shall have minimum 6 no of flash patterns. Blinkers and Beacon shall have Aluminium Base with Polycarbonate Cover. The lights shall be SAE Certified from NABL approved authorities.

12. Accessories:

The following accessories shall be provided in addition to those normally fitted on modern commercial vehicles:

- a) Head lamps — Two.
- b) Fog lamps — Four (Not less than 55W).
- c) Reversing light with buzzer— Lamp suitably situated to assist reversing.
- d) Stone guards — Situated on the windshield glass and side window glasses
- e) Wind screen wipers.
- f) Siren — Battery operated. BIS 950: 2012
- g) Search light — Adjustable to give flood or beam light, mounted in a convenient position but capable of being readily disconnected and mounted on a tripod away from the appliance, complete with tripod and with not less than 30 m of TRS cable on a reel mounted on the appliance.
- h) Spot light — Adjustable, mounted in a convenient position on the near side of the driving compartment.
- i) Inspection lamp — protected type on wander lead with plug. A socket shall be provided in the control panel in the driver's cab for plugging in the lamp.
- j) Tail lamps — Two of combined stop and tail.
- k) Rear reflectors.

L) 3M Reflector tapes (Red colour for rear side, Amber colour for both sides and white colour for front side)

13. MARKING

Each appliance shall be clearly and permanently marked with the following information:

- a) Manufacturer's name, or trade-mark, if any;
- b) Year of manufacture

14. Test of Acceptance of Fire Fighting System

Physical dimensions, performance and weight check of equipment as given under different items above shall form part of test of acceptance. The appliance shall be inspected in different stages before mounting of the complete unit to the chassis and after mounting of the complete unit on to the chassis. Stage inspections will be carried out from the department during each stage of fabrication. All necessary arrangements shall be arranged by the supplier at the fabrication yard for the proper conduct of such inspections as and when required by the department.

Inspection will be as under:-

- a) Finishing inspection.
- b) Compliance of specification
- c) Complete functions-operations of all systems

The stability of the appliance shall be such that when under fully equipped and loaded condition (but excluding crew), if the surface on which the appliance stand is tilted to either side, the point at which over-turning occurs is not passed at an angle of 27 degrees from the horizontal. Vehicles shall be tested for articulation – 200 mm alternate gradients & will not show any signs of stress during this test. Also the

clearances in the wheel wells shall be checked for tolerances. Water proofing shower test shall be confirm to IS 11865.

15. RTO REGISTRATION

Final RTO registration of the vehicle shall be arranged by the supplier after the vehicle is delivered at the headquarters. The vendor shall bear all registration related fees and expenses of completed vehicle and submit all relevant documents to department after registration.

16. WARRANTY

The complete vehicle shall be under warranty for a period of minimum five years from the date of supply of the vehicle against any manufacturing defects. The supplier shall give the guarantee for the supply of spare parts for the super structure, Equipments etc. for the period of 10 years from the date of supply of vehicle.

17. COMMISIONING AND TRAINING

The manufacturer's representative shall impart successful commissioning and the training to the fire brigade personnel regarding operation, handling, use and maintenance of the appliance. Operating manual shall be given along with each vehicle in both Tamil and English language.

18. Mandatory Equipments and tools to be supplied along with vehicle

The following Equipments and tools shall be supplied along with each vehicle. The successful tenderer shall take responsibility for warranty for these items.

S. No	Items	Qty
1.	Breathing apparatus, open circuit positive pressure type with cylinder made of carbon composite material, having water capacity of 6.8ltrs, 300 bar, 45 min duration, back plate, face mask, lung demand regulator, pressure reducer complete with harness confirming to EN-137-2006 type-2, PASS(Personal Alert Safety System) with spare cylinder.	4 Sets
2.	Portable electrically operated circular saws, 220-250V single phase min 2500W, 4500 RPM, with disc diameter max - 300mm(12"), Arbor size-22.2mm, weight not more than 12kg, with soft start technology built in within electronic control box, Diamond tip blade of 12" diameter, 5000RPM, Arbor size-22.2mm, Thickness-3.5MM -2 nos and composite blade of 12" diameter 5000 RPM, Arbor size-22.2mm, Thickness-3.5mm with a set of 5 blades having capability of cutting various material such as rails, Aircraft alloys, vehicle panels, metal roller doors, wooden frames etc.,	01
3.	Electrically operated chain saw, Power consumption - 1600W minimum, Voltage 220-250 V, Amperage -7 amp, guide blade length- Arm length- 18 inches minimum, Light weight ,shock proof body, reservoir for lubrication of chains with required accessories and electrical cord, chain with 34/36 numbers of cutting tips. Compatible with chain saw of 18 inch. Gide bar, chain should be in closed ring form	02
4.	Petrol Drive Power Saw 24inch	01
5.	Petrol Drive Power Saw 28 inch	01

6.	<p>Chipping Hammer (Electrical Operated) Bosch/Equivalent</p> <p>230V 50HZ, Single Phase working at the power rating of 1000 watts, the chiseling impact at the rate of 1900 bpm, the device should have active vibration system, chiseling impact force at 19 joules, electric cord not less than 4m in length 10/15 Amp 3 pin which can be converted into 2 pin also, one 28cm flat bit, one 48cm pointed bit and each spare bit, the material of pit should be height tensile steel, bit diameter should match with size of bit locker of equipment, protective carry case should be supplied which is designed to fully protect the equipment getting damaged and for easy handling of equipment</p>	02												
7.	<p>Battery operated combi tool having cutting class of A7, B8, C7, D8, and E7. It shall have highest spreading force not less than 783 KN, spreading distance within a range of 350-400mm and pulling distance of 400-450mm</p>	01												
8.	<p>High pressure pneumatic lifting bags, working pressure 8 bar, made of Kevlar reinforced nitrile rubber with 3 layers aramid 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, centering cross on both sides, reflecting labels, CE-icons for safety insertion thickness not more than 25mm including profile, resistant to ozone and range of chemicals etc of the following capacities:-</p> <table border="1" data-bbox="331 1630 1337 1975"> <thead> <tr> <th>Lifting capacity</th> <th>Min inflation height(mm)</th> <th>Min dimensions (mm)</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>01 tons</td> <td>75</td> <td>100 x 100</td> <td>1</td> </tr> <tr> <td>05 tons</td> <td>100</td> <td>150 x 150</td> <td>1</td> </tr> </tbody> </table>	Lifting capacity	Min inflation height(mm)	Min dimensions (mm)	Qty	01 tons	75	100 x 100	1	05 tons	100	150 x 150	1	1 Set
Lifting capacity	Min inflation height(mm)	Min dimensions (mm)	Qty											
01 tons	75	100 x 100	1											
05 tons	100	150 x 150	1											

10 tons	150	250 x 250	1
20 tons	275	500 x 500	1
40 tons	400	700 x 700	1

The air bags are to be supplied with the following accessories

Pressure reducer 300 bar to 8 bar	2 nos
Control box for operating 2 airbags with pressure gauges and carrying strap	1 nos
Single control unit	2 nos
Air hose 5 mtrs	2 nos
Air hose 10 mtrs	2 nos
Shut off hose with safety valve	4 nos
Connection piece to connect two air cylinders	2 nos

9.	100 ft long 16 mm diameter BOB rope	02
10.	40 ft length 12 mm diameter BOB lashing lines	02
11.	Spades (IS: 2238-1979)	01
12.	Shovel (IS: 12862-1989)	01

13.	Lock cutter (Weight - 4 kg, Dimensions LxWxH - 79x24.8x4.4 cm)	01
14.	Firemen axe – (IS:703-1999)	01
15.	Pick axe (IS:273-1973),	01
16.	Picks, with handle (IS: 273-1973)	01
17.	Axes, felling (IS: 703-1966)	01
18.	Crow bars, 1 m long (IS: 704-1968)	01
19.	Sledge hammer 10 kg (IS: 841-1968)	01
20.	Electrical shock proof hand gloves in pairs. A) Made as per confirming to IS 4770/ EN 60903 / ASTM 120 D type 1, type 2, type 3, type 4 b) Approved from ERDA – Electrical Research & Development Association c) Accredited by the NABL, Govt. of India & INTERTEK (ASTA), UK. D) Working Voltage: 11000 volts (RMS) max and Proof (test) Voltage (RMS): 33000 volts Test certificate of point'd' above shall be supplied during delivery.	02
21.	Shears, bolt cropper, large with handle, 900 mm	01
22.	Electric drill with spare bits battery operated 2mm to 10mm (Rechargeable) Bosch / Equivalent	01

23.	Extension truss type aluminum Ladder 7.5 m as per IS: 4571 & CE standard, the ladder OEM serial number & manufacturing year shall be mentioned in the supplied ladder. [King / AJAX / simplex]. Tipping Type Ladder gallows shall be provided on the roof suitable for fixing a 7.5 m heavy duty trussed aluminium extension ladder. The design shall be such that the ladder can be released by one person only without difficulty from a reasonably accessible position and the person is not required to climb on the roof top to remove the ladder. The ladder gallows shall be CE certified. The bidder shall mention the name of OEM of offered ladder and its gallows with the offer	01
24.	Rope Ladder (10 M)	01
25.	Portable Hand-Held LED Search Light Lumens not less than 10000	02
26.	First Aid Box for 10 Persons to be suitably kept at cabin.	01
27.	Long line rope [Manila rope], 25 mm circumference, and minimum breaking strength: 23 KN, 50 m long, attached with quick release karabiner at one side.	02
28.	Long line rope [Manila rope], 40 mm circumference, and minimum breaking strength: 23 KN, 30 m long, attached with quick release karabiner at one side.	03
29.	Fire hook with non-metallic hand grip (IS:927-1981)	02
30.	Fire beater with non-metallic hand grip (IS:8096-1992)	02

31.	Fire resistant blanket - Aluminized fire blanket made of aluminized fiberglass, stitched on all four side with Kevlar thread, Leather loops & eyelets, temperature resistant up to >500 degrees, With Metallic eyelets in all side corner and in middle and Size – 2 x 2 M.	04
32.	Fire resistant blanket non-asbestos high temperature resistant fabric with metallic eyelets, non-asbestos clothing, stitched on all four sides with flame proof threads, temperature resistant up to >600 degrees, With metallic eyelets in all side corner and in middle, 1.2 mm thick,Size – 2 x 2 M. All three pieces shall be kept in suitable plastic cover.	04
33.	Temperature resistant tight fight hand gloves, made of Kevlar material	05
34.	<p>Tool Kit box with the following tools:</p> <p>Fixed end "D/E" spanner set (size from 6mm to 30mm): 02 Sets</p> <p>Ring spanner set (size from 6mm to 32mm) :</p> <p>02 Sets Box spanner (Tubular spanner) Size: 8-10mm,10-12mm,12-14mm,14-16 mm: 02 No each.</p> <p>Combination cutting pliers (Size: >150 mm): 2 no</p> <p>pliers: 2 no</p> <p>Screw driver set insulated (long screw driver, short screw driver, star screw driver – 3 no each)</p> <p>Tool box (Suitable to carry all above tools)- 2 no</p> <p>Oil can medium size: 2 no</p>	01

35.	Scuba diving suits with SCBA	2 set
36.	Bosch demolition hammer 1900W with min 60 joules impact energy	01
37.	Safety goggles	03
38.	<p>Safety Harness (IS 3521 :1999)</p> <p>DESIGN - One dorsal attachment D-ring for fall arrest, Adjustable leg straps. Adjustable chest straps, Sit Strap, Made up of elastic webbing for more comfort & impact resistant.</p> <p>WEBBING –Material: Polyester, Width: 44±1mm, Breaking strength: 23 KN</p> <p>STITCHING THREAD - High-tenacity polyester.</p> <p>METAL COMPONENTS – Material: Aluminium, Plating: Black anodized, Finish: Matt.</p> <p>VITAL TEST COMPLIANCE - Static Strength: 15 kN or 1,530 kgf for 3 Minutes at each attachment element, WEIGHT - 1006 gm ±10 gm</p>	03
39.	<p>Spine board stretcher</p> <p>Length in 1840 mm with tolerance ± 5 mm, Width in 450mm with tolerance ± 5 mm, Weight should not more than 6.5 kg , Loading capacity should be 200 kgs, Number of Pins 14 -16</p>	01
40.	Mattocks	02

41.	Gas monitor (Portable /Handheld)		01
	Detectable Gases	Combustible Gas- (LEL- UEL), Oxygen(O2) ,Carbon Monoxide(CO),Hydrosulfide , ammonia (Optional)	
	Measurement Range of Combustible gas(LEL)	0 -100 %	
	Resolution of the Combustible gas(LEL) measurement	1 %	
	Measurement Range of Oxygen(O2) gas concentration	0 -25 %	
	Resolution of the Oxygen(O2) measurement	0.1	
	Measurement Range of HYDROGEN SULFIDE (H2S) gas concentration	0 -100 ppm	
	Resolution of the HYDROGEN SULFIDE (H2S) measurement	1 ppm	
	Measurement Range of Selectable Gas(CO/NH3/SO2/Cl2)	0 -500 ppm	
	Resolution of the Range of Selectable Gas(CO/NH3/SO2/Cl2) measurement	2 ppm	
Power Source	Rechargeable Batteries		
42.	Public Address system battery operated		01
43.	Petrol Driven Positive Pressure smoke exhauster(Blower) - 16" Size - Engine of 5.5 HP, 16" Fan Size, 17 blades, 19,800 m3/hr., Weight: 30 Kg (approx.) to be supplied with ducting to be detachable type mounted on water tender.		01
44.	Tent as per IS:7609-1988 made up of 100% water proof 650 GSM PVC coated mehler technologies german fabric. inner fly is made of POLY-VISCOS water proof, ROT proof. Cotton printed inner lining attached with PVC ground sheet. Metal poles powder coated with all the accessories like pegs, pins& Hammer. 2 windows with mosquito mesh. The dimensions of the tent is 10 x 10 ft		01
45.	Fire Extinguisher (Stored Pressure DCP - 9Kg, 4.5Kg – Co2, 9Liters Stored Pressure Foam)		03

46.	<p>PPE EN 469:2020 Level-2 or latest / (IS 16890:2018)- Personal Protective Equipment – Protective Clothing for the Firemen completes with gloves(EN 659:2003), boots type-2(EN 15090:2012) , helmets type –B (EN 443:2008) with suitable face shield (EN 14458:2018) and Fire fighter Hood(EN 13911:2017). The suit will be sufficient size to accommodate a breathing apparatus to users</p>	06 Sets																
47.	<p>Inflatable Rubber Boat with OBM</p> <table border="1" data-bbox="320 734 1185 1368"> <tr> <td>Material</td> <td>Rubber</td> </tr> <tr> <td>Size/Dimension</td> <td>4.2 x 2.8 x 1.8 x 0.90 m (Length Overall x Length Inside x Width Overall x Inside Width)</td> </tr> <tr> <td>Capacity</td> <td>8 Persons</td> </tr> <tr> <td>Weight</td> <td>110 Kgs</td> </tr> <tr> <td>Country of Origin</td> <td>Made in India</td> </tr> <tr> <td>Buoyancy Diameter</td> <td>45 cm</td> </tr> <tr> <td>OBM</td> <td>Suzuki/ Mercuri / yamaha</td> </tr> <tr> <td>HP</td> <td>Not less than 30</td> </tr> </table> <ul style="list-style-type: none"> ▪ Dimensions are nominal in meters. ▪ The Inflatable boat design complies with ISO 6185-3 approved by IRS. ▪ Boat Material: Heavy duty Nylon fabric coated with Hypalon in outer and ▪ Neoprene inner side. ▪ Rubberized Fabric Standard: ISO 15372:2000(E) ▪ Weight of person considered: 82.5 Kg average. ▪ Standard accessories: Foot Pump, Repair Kit, Valise, Paddle. ▪ Colors: Orange 	Material	Rubber	Size/Dimension	4.2 x 2.8 x 1.8 x 0.90 m (Length Overall x Length Inside x Width Overall x Inside Width)	Capacity	8 Persons	Weight	110 Kgs	Country of Origin	Made in India	Buoyancy Diameter	45 cm	OBM	Suzuki/ Mercuri / yamaha	HP	Not less than 30	01
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Buoyancy Diameter	45 cm																	
OBM	Suzuki/ Mercuri / yamaha																	
HP	Not less than 30																	
48.	<p>Life Buoy IS:5326</p> <table border="1" data-bbox="320 1861 1142 1973"> <tr> <td>Material</td> <td>PVC</td> </tr> <tr> <td>Color</td> <td>Orange</td> </tr> </table>	Material	PVC	Color	Orange	10												
Material	PVC																	
Color	Orange																	

	Inner Diameter	40 cm		
	Outer Diameter	85 cm		
	Shape	Round		
	Usage	Swimming		
	Pattern	Plain		
49.	Life Jacket			10
50.	Traffic Cone			10
51.	Cordon tape			100 mtr

QUALIFICATION CRITERIA

- The orders issued under Rule no.144 (xi) of General Financial Rules (GFRs) 2017 relating to restrictions on procurement from a bidder of a Country which shares a land border with India will be applicable for this tender as per the guidelines issued by the Government of Tamil Nadu vide G.O.Ms.no.343 Finance (Salaries) Department Dated 18.09.2020. The Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for rejection of their tender.
- A performance certificate shall be submitted along with the tender from a fire brigade from India along with copy of orders received.
- The tender should be submitted by the manufacturer or their authorized agent in India.
- Manufacturer shall have minimum 15 years of experience & shall have manufactured & supplied minimum 100 nos. of Fire fighting vehicles.
- The bidders factory shall be licensed under factories act or district industries centre

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 authorization 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 “Envelope-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 model is offered.
- ❖ **The evaluation of the tender offers will be done in three stages. The rules laid down in Tamil Nadu Transparency of Tenders Act, 1998, Tamil Nadu Transparency in Tenders Rules, 2000 and related rules, will be scrupulously followed.**

- ❖ If at any stage, a technical flaw is noticed in following the procedures, 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.
- ❖ Time is essence and hence delayed delivery of vehicles observed by any of the reputed state fire brigades including this department will lead to disqualification of the tender.

Stage I: Rejection of tender offer found technically defective:

- a) **A complete set of drawings, like general arrangement drawing, load distribution diagram, drawings of the tank/s (if any), shutter and drawer details (as applicable), wiring diagram, hydraulic circuit, and power transmission through respective PTO/s shall be submitted along with the bid, failing which the bid will be ignored.**
- b) 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.
- c)
 - (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 be 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.
- d)
 - (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 he or she 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.
- e)
 - (i) A vendor who does not answer all the questions in the 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 her.
- f) While supplying information in response to the questionnaire answers such as "will be supplied later" or "will be intimated later" will not be accepted. Such answers will lead to the conclusion that the vendor is either not an authorized 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)

The offers that are not rejected at Stage-1, will be examined for the essential features noted below. The information for such evaluation will be taken from those pages of the answers to the questionnaire, which have been signed and carry the seal of the vendor.

Kindly note that information on the pages of the answers to the questionnaire which are not signed or do not carry the seal will be ignored. 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. An answer like "Please see the marked portion of the pamphlet or brochure attached" may be taken as not answered. The whole transaction will be conducted on the presumption that a serious vendor knows what he or she is selling.

The following essential features will be considered at this stage:

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 xeroxed copy of an authorization letter from the manufacturer or some other incontrovertible proof that the vendor is an authorized 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 the following and the technical details given in the tender document.

Verification /Demonstration of the item offered

- The tenderer shall give a 3D presentation before the committee of this department about the proposed design layout of the vehicle, its technical features, the factory infrastructure and facilities on a convenient date fixed by the department.

- Based on the 3D presentation a inspection team will inspect the tenderers factory / Workshop premises and the details will be verified by the inspection team. The tender will be evaluated subject to the report of the inspection team. The cost incurred for the same will be borne by the tenderer.
- While evaluation the tender, or after inspection of the tenderers work premises, 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 GST, Customs Duty, Freight charges, Insurance for delivery and such other levies that may be applicable must be quoted in the format enclosed. The applicable GST in % and the relevant HSN Code under which the item is classified have to be mentioned under “other details” column.
- 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.

VERIFICATION OF PROTO TYPE BEFORE RELEASE OF PURCHASE ORDER AND PURCHASE ORDER CONDITION

- After evaluation of the price bid of the qualified tenderer, the tenderer who emerged as L1 will be directed to construct one Mini Emergency Rescue Tender and to produce the same as a Proto Type of “Custom built Mini Emergency Rescue Tender ” before the Tender Committee of this Department which will be verified with reference to the design and constructions detailed in the technical specifications. Any modifications/alterations suggested by the Tender Committee will be intimated to the successful tenderer and after carrying out the same, the Proto Type should be again produced by the tenderer before the Tender Committee for final verification and acceptance. If the Proto Type model of the successful tenderer is not accepted by the Tender Committee, their offer is liable to be rejected at their cost and the Department will not be held responsible for the expenditure incurred by the tenderer for their Prototype model. Only after acceptance of the Prototype model, the purchase order will be released.

- On release of Purchase order, the construction and supply of Mini Emergency Rescue Tender for the ordered quantity should be made as per proto type approved on mutual terms and conditions. The supply of the items and mounting on the units has to be completed within the delivery schedule from the date of release of purchase order. Each one of the supply will be verified by the Department with reference to the approved Proto Type Model. The approved Proto type model may be adjusted by the successful tenderer at the time of completion of full supply of the ordered quantity.

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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.*

I	What are the name, address and the e-mail address of your Company?	
II	(a) Are you a manufacturer? If so, attach a proof for the same or (b) Are you an authorized distributed/dealer of the	

	manufacturer? If so attach a proof for the same.	
III	Describe the following technical aspects in respect of your offer for supply of with reference to the Specifications given in the tender document. (Attach separate sheet to furnish the details)	
1	Furnish General description of your offer with reference to para 1 & 2 of the tender specification.	
2	Describe about the specification details of the unit proposed to be supplied with reference to the tender specification	
3	Describe about the Technical data and features of the chassis proposed to be provided with reference to para 3 of the tender specification	
4	Describe about the Technical features of the crew cabin proposed to be made with reference to para 4.1 of the tender specification	
5	Describe about the Technical features of the Rear Body work proposed to be made with reference to para 4.2 of the tender specification	
6	Describe about the Technical features of the Lockers work proposed to be made with reference to para 4.3 of the tender specification	
7	Describe about the Technical features of the Alternator proposed to be installed with reference to para 5 of the tender specification	
8	Describe about the Technical features of the cable winch proposed to be installed with reference to para 6 of the tender specification	
9	Describe about the Technical features of the Light mast proposed to be installed with reference to para 7 of the tender specification	
10	Describe about the Technical features of the Ladder gallows proposed to be made with reference to para 8 of the tender specification	
11	Describe about your compliance on Workmanship and Finish as suggested in para 9 of the tender specification	
12	Describe about the Painting of the entire unit proposed to be made with reference to para 10 of the tender specification	
13	Describe about the warning beacon lights proposed to be provided with reference to para 11 of the tender specification	
14	Describe about the Accessories proposed to be provided with reference to para 12 of the tender specification	
15	Describe about the marking as suggested in para 13 of the tender specification	
16	Describe about your compliance on “Test of Acceptance of Fire Fighting System” as suggested in para 14 of the tender specification	

17	Furnish your compliance of acceptance on “RTO Registration Condition” as suggested in para 15 of the tender specification	
18	Furnish your Warranty clause in compliance to para 16 of the tender specification	
19	Furnish your compliance of acceptance on “Commissioning and Training” as suggested in para 17 of the tender specification	
20	Furnish the complete details of the mandatory equipments and tools proposed to be supplied as suggested in para 18 of the tender specification.	
21	Whether you have attached a detailed drawing of the body along with other construction features proposed to be made in compliance to the tender specifications is attached with the tender.	
22	State clearly if any deviations are required from the specifications given in the tender document for any of the item and if so furnish the justification for the same. What are the alternative suggestions offered by you to meet out the requirement given in the tender specification	
23	Whether any local authorized 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?	
24	Please indicate the name, address, phone, fax and e-mail address of the organization to whom you have supplied the offered items within in India during past five years ? Please furnish the performance certificate from the user organization if any with your bid	
25	Whether User Manual Instructions booklet will be supplied	
26	Whether you are able to produce the sample of Ready built Mini ERT separately on the date intimated for verification by the Committee as indicated in the tender document or not?	
27	Whether you are agree to produce a Proto Type of the offered model if you are successful tenderer for verification of the Tender Committee before release of the purchase order as detailed in the Criteria for evaluation of tenders given in the tender document	

To be attached with Envelope A

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,
Office of the Director of Fire & Rescue Services,
Egmore, Chennai 600 008.

I, _____ hereby contract and agree on the acceptance of this Tender to supply to the Government of Tamil Nadu (hereinafter 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 SUCCESSFUL 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 the patterns or submitted during evaluation and such as the Director or any other duly authorized 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 authorized 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 authorized 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 whomsoever without the written consent of the Director of Fire & Rescue Services, Chennai.
8. The contractor shall make his own arrangements for obtaining import licenses 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 shall render it obligatory on the Director of Fire and Rescue Services, Chennai 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 fulfillment 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 Bankers' cheque or specified small savings instruments or where the procuring entity deems fit, irrevocable bank guarantee in a prescribed form.
14. Upon the complete fulfillment of this contract by the contractor to the satisfaction of the Government or any officer duly authorized 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

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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 e-mail addresses: adddirectoroperation101@gmail.com, tnfrscamp@gmail.com, 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 of 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 authorized 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, names of 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 erasures, interpolations or alterations will be allowed except when initialed by the tenderer.
8. The vendor if he wishes, may, apart from the answers to the questionnaire enclose brochures and leaflets.
9. Any dispute arising related to this tender will be subject to the jurisdiction of the Madras High Court only.

Earnest Money Deposit

- 9.(a) Earnest Money Deposit as mentioned in the Top Sheet of the Tender document 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. 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 and partial payment of EMD will be summarily rejected.
 - (c) 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 Stage-3 of "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 as and when called for.
The tender will be rejected if the article is not produced for demonstration and the 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.
- (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) As a manufacturer, 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. 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 technical-cum- commercial bid will be paid.

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 authorized 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. **10 percent of the payment amount will be retained during the warranty period as performance guarantee** and will be paid after successful completion of the warranty depends upon the items if necessary as decided by this Department. 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.

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. .

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.

(4) 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. Sales tax verification certificate or Sales Tax Return filed for the last financial year (2018-19) and as instructed in the instructions to the tenderers should be furnished by the Tenderer along with his offer.

28. The following certificates may also be furnished:

- (i) GST Registration Certificate duly self-attested
- (ii) Copy of Registration of the Company registered under Companies Act or under any other Act
- (ii) Copy of ISO Registration if any
- (iii) Valid NSIC Registration Certificate, if registered under NSIC
- (iv) 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.**

FORMAT

PRICE BID FOR “Fully Built Mini Emergency Rescue Tender” as indicated in the tender specification”

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

(Price bid for different makes/models should be furnished for each item in a separate sealed cover. This format may be Xeroxed for furnishing price bid for different make/ models)

S.No	i) Description of article ii) Make and Model iii)Size iv) Country or origin of the article or components (Note: Rate should be given separately for each item/model)	Basic Price per unit	GST	Other taxes, levies, charges including Customs duty, transportation charges, insurance charges etc. (specify each one separately)	Total including GST 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 Delivery Schedule, applicable GST in % with HSN Code should be furnished under this column)

Signature of the tenderer.