

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

NOTICE INVITING TENDER

Sealed Tenders in **TWO BID SYSTEM** affixing Court fee stamp of Rs. 8.25 (Rupees eight and paise twenty five) only are invited from well established & reputed fabricator/ manufacturer, **for fabrication and supply of 1(one) No. Mini Rescue Tender on 12 Ton TATA /Ashok Leyland/ Eicher or other similar type of chassis** as per Technical Specification and Terms & Conditions described hereunder.

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

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

Sealed Tenders in 2(two) separate covers i.e. Technical Bid and Price Bid will be received till **29.06.2015 up to 3 PM** by the Director, Fire & Emergency Services, Assam, Panbazar, Guwahati-1. **The Technical Bid will be opened on the next working day at 11.00 hrs.**

2) ELIGIBILITY CRITERIA:-

- a) Bidder shall be an Original Fabricator of Mini Rescue Tender having at least 3(three) years experience in fabrication, supply and maintenance of Mini Rescue Tender.
- b) Fabricator of the Mini Rescue Tender must have ISO 9001:2008 certifications for design and fabrication of Mini Rescue Tenders.
- c) Annual turnover of the fabricator during the last 3(three) financial years shall not be less than Rs.2,00,00,000/- (Rupees two crore) only.
- d) Bidder/ Fabricator should have experience in fabrication and supply of Mini Rescue Tender **at least 3 Nos. in last 3 years** with copies of supply orders enclosed with the Bid documents.
- e) Any Fabricator which has been blacklisted/ debarred either by the Tender Inviting Authority or by any State Government or Central Government Organization should not participate in the tender during the mentioned period.
- f) The Bidder/ Fabricator must have their own factory premises and no sub contracting will be done. Undertaking to this effect shall be submitted.
- g) Bidder/ Fabricator shall have the authorization letter from the original equipment manufacturer for equipment as per the Annexure of equipment and to be submitted.
- h) The Bidder/ Fabricator shall submit the undertaking to provide spare parts and service of the supplied Mini Rescue Tender for next 5(five) years from the date of supply.

- i) The Bidder/ Fabricator shall have the list of accessories/ equipment's make/ brand for Mini Rescue Tender.

3) TECHNICAL SPECIFICATION:-

The "Technical Specifications" are given at **Annexure-I**.

4) TECHNICAL BID COVER "A"

The bidder should furnish the following in a separate cover herein called "**Cover A**". Court Fee Stamp of Rs. 8.25 must be affixed.

a) Earnest Money:-

Bids must be accompanied by Earnest Money Deposit (EMD) in the form of Demand Draft/ Bankers cheque in favour of Director, Fire & Emergency Services, Assam payable at Guwahati. EMD submitted in any other form or bids without EMD shall not be entertained. The amount of EMD shall be Rs. 1,00,000/- (Rupees one lakh) only. The EMD of the successful bidder shall be retained till completion of the works and shall not carry any interest. If the successful bidder fails to execute the agreement and/or fails to submit the Bank Guarantee within the specified time or withdraws his bid within the validity period of the bid, the EMD shall be forfeited. The EMD of the unsuccessful bidders will be returned within 30 (thirty) days after the finalization of the tender. Those firms/fabricator's registered with Central Purchase Organisation/ NSIC are exempted from depositing the EMD.

b) Manufacturing/ Trade License

Attested/notarized copy of valid Fabrication License/ Trade License issued by the competent Licensing Authority.

c) Power of Attorney to sign (of Bidder)

Instruments such as Power of Attorney, Resolution of Board etc. authorizing an officer of the bidding firm to be enclosed with the bid and such authorized officer should sign the bid documents.

d) Sales Tax/VAT and Service Tax Registration

Attested/ notarized up to date copy of Sales Tax/ VAT Registration Certificate and Service Tax Registration Certificate along with up to date Sales Tax/ VAT Clearance Certificate.

e) PAN Card

- (i) Attested/ notarized copy of PAN Card.
(ii) Income Tax return for last 2(two) years.

f) Declaration

Declaration in the form at **Annexure-II**.

- g) **Details of Experience**
Information about fabrication of Mini Rescue Tender in last 3 (three) years in the format at **Annexure-III** along with copies of work orders, completion/ performance certificates from the users.
- h) **Quality Assurance Certificate**
Attested/ notarized copy of valid ISO 9001:2008 certification for design and fabrication of Mini Rescue Tender.
- i) **Annual Turnover**
Annual turnover statement for last 3(three) financial years i.e. 2012-13, 2013-14 & 2014-15 along with concurrent commitment for the current financial year in the format given in **Annexure-IV** and certified by Auditor/ Chartered Accountant.
- j) **Details of Fabrication Unit/ After Sales Service Facility**
Details of Fabrication Unit/ After Sales Service Facility in the specified format (Refer **Annexure – V**).
- k) **Undertaking on fraud & corruption**
Undertaking on fraud and corruption in the format **Annexure-VI**.
- l) **Agreed Terms & Conditions (Bidder)**
Agreed Terms & Conditions as per **Annexure-VII**.
- m) **Signature and Seal on Each Page**
The tender/bid document should be signed by the bidder in all pages with office seal and submitted with the bid.
- n) **Checklist of documents**
A checklist (**Annexure-VIII**) for the list of documents enclosed with their page number. The documents should be serially arranged as per this **Annexure-VIII** and should be securely tied or bound.

The bidder shall put above documents in a sealed cover superscribed as “TECHNICAL BID – COVER “A” TENDER FOR FABRICATION AND SUPPLY OF MINI RESCUE TENDER FOR FIRE & EMERGENCY SERVICES, ASSAM DUE ON and addressed to the Director, Fire & Emergency Services, Assam, Panbazar, Guwahati-781001.

5) **PRICE BID – COVER “B”**

Cover “B” shall contain the Price Bid of the bidder.

- (i) **Signature and Seal on each page**
Each page of the Price Bid should be duly signed by the bidder affixing the office seal.

(ii) **Signature on correction**

Bid should be typewritten neatly and every correction in the bid should be attested with full signature by the bidder, failing which the bid will be ineligible, corrections done with correction fluid should also be duly attested.

(iii) **Rates quoted**

The bidder shall submit the dully signed Price Bid (Cover-B) in a sealed cover in the format at **Annexure – IX**. The rates quoted shall be inclusive of transit insurance and any other charges. The amount of Tax/CST/VAT should be indicated separately.

6) **COVER FOR TECHNICAL BID & PRICE BID**

The two separately sealed covers (Technical Bid (Cover “A”) and Price Bid (Cover “B”) shall be placed together inside another cover which shall be sealed and superscribed as “TENDER FOR FABRICATION AND SUPPLY OF MINI RESCUE TENDER FOR FIRE & EMERGENCY SERVICES, ASSAM DUE ON and delivered at the office of the Director, Fire & Emergency Services, Assam, Panbazar, Guwahati-781001.

7) **OPENING OF COVER “A” AND COVER “B” OF TENDER**

(a) Bidders or their authorized representatives are entitled to be present on the date and time of opening of Technical Bid – Cover “A”.

(b) Only those bidders whose Technical Bids are found acceptable after technical evaluation will be invited to be present at the date and time of opening of Price Bid – Cover “B”. The price bids of bidders not found technically qualified will not be opened.

8) **VALIDITY OF OFFER OF SUCCESSFUL BIDDER**

The validity of offer of the successful bidder shall be 1(one) year from the date of finalization of the order and the successful bidder will be bound to fabricate the Mini Rescue Tender at agreed rates and terms during this period. This validity period may be further extended by 1(one) year with mutual consent.

9) **OTHER CONDITIONS**

(i) **Item Details**

The detail specifications of Mini Rescue Tender shown in **Annexure-I** and detail specification of equipments shown in **Appendix-‘A’**.

(ii) **No Revision/Correction of Quantities**

No bidder shall be allowed at any time on any ground, whatsoever, to claim revision or modification in the quantities quoted by him. Representation to make correction in the tender documents on the ground of clerical error, typographical error etc., shall not be entertained after submission of the bids.

(iii) **Firm Delivery Schedule**

Firm delivery schedule shall be mentioned in the bid. Cross conditions such as “SUBJECT TO AVAILABILITY” “SUPPLIES WILL BE MADE AS AND WHEN MATERIALS ARE RECEIVED” etc., will not be considered under any circumstances and the bids of those who have given such conditions shall be treated as incomplete and will be summarily rejected.

(iv) **Execution of order**

Work should be executed directly by the successful bidder and not through any other agency.

(v) **Inspection**

Tender Inviting Authority or his authorized representative has the right to inspect the factories of bidders, at any point of time and also has the right to reject the tender or terminate/ cancel the orders issued, based on adverse reports brought out during such inspections. The bidder shall extend all facilities to the team to inspect the fabrication process, quality control measures adopted etc., in the fabrication of the items quoted/ ordered.

(vi) **Road permit**

Fire & Emergency Services, Assam will not be responsible for arranging Road permits for sending the duly fabricated Mini Rescue Tender. It will be the responsibility of the successful bidder to obtain Road Permits from the concerned authority.

10) **ACCEPTANCE OF TENDER**

(i) **Tender Evaluation**

Tenders will be evaluated with reference to various criteria of technical bid and thereafter on the basis of the total landed price for Fabrication, Testing and one Year Guarantee for determining the L1 (Lowest) price from amongst those qualifying the technical bid stage. Conditional discounts shall not be taken into account for price comparison.

(ii) **Right to Reject Tender**

Tender Inviting Authority reserves the right to accept the tender or to reject the tender without assigning any reason thereof.

(iii) **Tender Acceptance**

The acceptance of the tenders will be communicated to the successful bidder in writing.

11) **COMPLETION PERIOD**

- (a) The Mini Rescue Tender (duly fabricated and supply as per specification given) shall have to be delivered within 120 (one hundred twenty) days on receipt of chassis by the fabricator.

- (b) In case the selected fabricator fails to execute the said work or related obligations within stipulated time, the Tender Inviting Authority will be at liberty to get the work executed through an alternative agency at the complete risk and cost of the fabricator. Any additional cost incurred by the Tender Inviting Authority during such execution of the work shall be recovered from the fabricator.
- (c) If the cost of executing the work as aforesaid exceeds the balance payments due to the selected fabricator and the fabricator fails to make good the 'additional cost', the Tender Inviting Authority may recover it from the fabricator's pending claims against any work in Fire & Emergency Services, Assam or in any other lawful manner.
- (d) The calculation of aforesaid 'additional cost' will be finalized by the Tender Inviting Authority at its sole discretion. The selected fabricators shall have no right to challenge the mode or amount relating to calculation at any forum.

12) **AS EXECUTED REPORT**

On completion of the fabrication, the successful Bidder/Fabricator shall submit Executed Report of fabrication works to the Tender Inviting Authority which will include photographs.

13) **GUARANTEE**

The duly fabricated Mini Rescue Tender shall be guaranteed against any and all defects in design, material & equipments and workmanship for a period of 1(one) year from the date of acceptance. Guarantee certificate to this effect must be furnished.

Any defects develop during the guarantee period, it should be remedied promptly free of cost by the Fabricator and all expenses for transportation of goods/equipments necessitated for such repairs or replacement shall be borne by the Fabricator. The guarantee period for such repaired/replaced goods/equipments shall again be 12(twelve) months from the date of commissioning.

14) **PAYMENT TERMS**

- (a) No advance payments will be made to the successful bidder.
- (b) 100% payment after supply and acceptance of duly fabricated and supplied of Mini Rescue Tender with equipments.
- (c) On completion of the work, bills/ invoices should be submitted in triplicate in the name of Tender Inviting Authority.
- (d) If any time during the period of contract, the price of rendered items is reduced or brought down by any Law or Act of the Central or State Government or by the bidder himself, the bidder shall be bound to inform Tender Inviting Authority immediately about such reduction in the contracted prices. Tender Inviting Authority is empowered to unilaterally effect such reduction as in necessary in rates in case the bidder fails to notify or fails to agree to such reduction in rates.

(e) In case of any enhancement in excise duty due to notification of the Government after the date of submission of bids and during the validity period of contract, the quantum of additional excise duty so levied will be allowed to be charged extra as a separate item without any change in price structure of the product approved under the tender. For claiming the additional cost on account of the increase in excise duty, the bidder should produce a letter from the concerned Excise Authority confirming payment of additional excise duty on the goods supplied to the Tender Inviting Authority and also must claim the same in the invoice separately.

15) **ANNULMENT OF AWARD, FORFEITURE OF BANK GUARANTEE & FRESH AWARD**

Failure of the successful bidder to comply with the requirements of signing of agreement and submission of Bank Guarantee of total value of chassis within the time schedule as stipulated above shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security/ EMD. Under such a situation, the proposal may be reviewed for award of the contract of the next lowest evaluated technically qualified bidder or go for a fresh bid depending on the circumstance. In case it is decided to go for the next lowest bidder, negotiation may be considered to bring down their price nearer to the originally evaluated lowest bid.

16) **PRICE BASIS**

Contract prices shall be on FOR destination at Guwahati basis and shall remain firm & fixed till complete execution of the contract.

17) **TRANSPORTATION**

Transportation of duly fabricated Mini Rescue Tender with equipments and its transit insurance up to the specified destination shall be in the Fabricator's scope.

18) **STANDARDS**

The fabrication works along with equipments executed under the contract shall conform to the standards mentioned in the Technical Specifications and where no applicable standard is mentioned, the latest version of Indian Standard Institution of Bureau of Indian Standards shall be applicable.

19) **INSPECTION AND TESTS**

The Tender Inviting Authority or his authorized representatives shall have the right to inspect and/ or to test the fabrication works and its equipments to conform that quality is in accordance to the contract stipulations and shall have access to Fabricator's works/ premises and the power to inspect and examine the fabrication works and workmanship of the Mini Rescue Tender.

20) The successful Tenderers shall have to furnish/ produce Bank Guarantee/ Insurance coverage from any Nationalized Bank/ Insurance Co. covering 100% of the cost of the chassis delivered to them for fabrication before receipt of the chassis from the manufacturer.

21) The approved fabricators will have to execute the orders of supply within the time frame specified in the supply order.

22) All the legal proceedings arising out of any dispute between the parties shall be settled within the technical jurisdiction of the Courts in Assam.

ANNEXURE – I

TECHNICAL SPECIFICATION

Sl. No.	Description	Complied or not complied (Deviation if any furnish separately)
	Chassis will be supplied by the Department	
1	GENERAL	
1.i	The Rescue Tender should have constant mesh gear box, tool kit, spare wheel assembly etc. All wiring shall be properly fixed in position and shall be protected against heat, oil and physical damage. Wherever necessary, wiring shall pass through PVC sleeves and conduits. All important electrical circuits shall have separate fuses suitably indicated and grouped in a common fuse box located in an easily accessible position.	
2	Cabin	
2.i	Fabricator shall provide for an extension of the original tilt cab provided by the Chassis Manufacturer. There should be no partition between the driver seats and the crew member seats. It should be one single full tilting cab accommodating 2 + 3 Firemen. The bidder shall provide necessary hydraulic mechanism for tilting the cab which should include telescopic hydraulic cylinders, hydraulic tank and a hand pump for operating the hydraulic system.	
2.ii	The crew seats shall have foam cushion and shall be covered with best quality Rexene. One door on each side shall be provided on the extended driver cab-cum-crew compartment apart from original cabin doors. Doors shall be fitted with safety glasses and be of horizontally sliding type window. The glasses on the extended cabin windows and doors shall be fixed in aluminum sections & shall be fitted on rubber beading to absorb the extra pressure/jerks when the fire tender is moving. The sliding glasses shall be provided with spring loaded locks operated from inside the cabin. Below the crew seat space shall be provided for storage of equipments like	

	spare cylinders of the BA set of the same capacity, mechanical tool etc. The extended cabin doors shall be hinged type opening outwards, hung forward, with original locks as provided by chassis manufacturer. Also seven Hangers for Fire staff's helmets above crew members sitting arrangement shall be provided.	
3	Equipment Stowage Compartments	
3.i	The complete superstructure (after the cabin) shall be fabricated in corrosion free aluminium extrusion profile section framework constructed with bolt and nut system without welding work and panelled with aluminium plate by means of glue without any welding work. The Profiles shall be strong, solid all aluminium construction , light in weight and intrinsic rectangular design with a distortion insensitive bearing.	
3.ii	Roof panels shall be made of aluminium padded plates. The roof should be strong enough for being walked-on and must be sufficiently supported. The intermediate walls and shelves shall be constructed from aluminium sheets paneled to the extruded aluminium profile structure by means of glue without any welding work. The outside paneling shall be done from 16 SWG aluminium sheet. Complete flooring shall be of 16 SWG and the inside of lockers shall be done from 18 SWG Aluminium Plain Sheet. The vehicle shall be covered from top with 16 SWG chequered plate having rainwater channel at both side. Guide Rails shall support over entire length on both sides. All the compartments for stowage of equipments shall be covered with Aluminium Roller Shutters. The aluminium shutters shall be of MCD France make or equivalent better make. These smooth operating shutters shall be made of extruded aluminium profiles duly powder coated. The shutter doors shall be equipped with electro-magnetic switch on the door tracks to provide automatic switch on/off of compartment lights. All the space on sides of the vehicle, below the chassis frame level shall be utilized for stowing equipments and shall be covered with rollers shutters.	
4	Stowage System	
4.i	Arrangement shall be provided for secure, scientific and systematic stowage of all accessories within the Fire Tender. Each equipment shall have its designated location so that it can be easily located during emergency situations. Suitable clamps, brackets, holders etc. shall be provided for major accessories as the need be. The accessories should be properly clamped / strapped to prevent shifting of the equipment while the vehicle is in motion and thereby avoiding damage to the paneling of the vehicle. Suction hoses shall be stowed on the roof top at a convenient location.	
5	Mounting of Superstructure	
5.i	Compartment Superstructure shall be mounted on secure brackets of the steel sub-frame made from Anti-Corrosive Treated MS 4" section and shall be bolted with the chassis using the high tensile bolts. Use of "U" bolts as well as direct mounting of Superstructure on chassis frame is strictly non-permissible.	
6	Painting and Marking	
6.i	The Rescue Tender will be painted with DUPONT/CDC/ASIAN make "PO Red" paint & thickness of 0.12 to 0.2 mm thickness, using double coat spray painting on the outside. Also on either side of the vehicle (logo of Client & name) monogram will be painted in golden yellow colour at	

	suitable places.																												
6.ii	The chassis and wheel arches will be painted black.																												
6.iii	Two coats of anticorrosion & one zinc phosphate-priming coat will be applied before final painting.																												
6.iv	The Vehicle will be clearly and permanently marked with the following, preferably on a metal plate attached in the driver's cabin & also near the pump operating control panel.																												
6.iv.a	Manufacturer's name or trademark.																												
6.iv.b	Year of manufacture.																												
6.iv.c	Engine & Chassis Nos.																												
6.v	Electrical Equipments																												
6.v.a	GRAND Mini Sunvoice Light Bar with PA System & 2 tone Siren provided on roof of Tender.																												
6.v.b	Fog Lamps – 2 Nos.																												
7	GENERAL REQUIREMENTS																												
7.i	The tender will conform in all respect of the provisions contained in the MV Act 1988 and MV Rules 1989 or to any other statute modifications or re-enactments thereon from time to time. All the equipment necessary for RTO's clearance will be provided on vehicles.																												
8	WORKMANSHIP AND MATERIAL																												
8.i	Workmanship executed will be of the highest order. All directions and instructions on all points related to the fabrication will be executed whenever given by Purchaser's representative for quality workmanship. All the material to be used in the fabrication of the body work will be of reputed make and good quality. All equipment and material will comply with the requirements of the National / International standards. The structure of the vehicle will be rattling free and noiseless while in motion.																												
9	LIST OF THE ACCESSORIES / EQUIPMENTS TO BE SUPPLIED WITH MINI RESCUE TENDER																												
	<table border="1"> <thead> <tr> <th>Sl. No.</th> <th>Description</th> <th>Qty</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Simplex / KINGS make 7.5 m trussed type double extension ladder</td> <td>1</td> </tr> <tr> <td>2</td> <td>Self Contained Air Breathing Apparatus (SCBA) Set as per attached specification</td> <td>4</td> </tr> <tr> <td>3</td> <td>Airline Trolley with four cylinders as per the attached specifications</td> <td>1</td> </tr> <tr> <td>4</td> <td>Self Contained Underwater Breathing Apparatus (SCUBA) as per attached specifications</td> <td>2</td> </tr> <tr> <td>5</td> <td>Under Water Dry Diving Suit as per attached specifications</td> <td>2</td> </tr> <tr> <td>6</td> <td>Lifting Bags Set as per attached specifications</td> <td>1</td> </tr> <tr> <td>7</td> <td>Leak Sealing Plugs as per attached specifications</td> <td>1</td> </tr> <tr> <td>8</td> <td>Leak Sealing Wedge and Cone Kit as per as per attached specifications</td> <td>1</td> </tr> </tbody> </table>	Sl. No.	Description	Qty	1	Simplex / KINGS make 7.5 m trussed type double extension ladder	1	2	Self Contained Air Breathing Apparatus (SCBA) Set as per attached specification	4	3	Airline Trolley with four cylinders as per the attached specifications	1	4	Self Contained Underwater Breathing Apparatus (SCUBA) as per attached specifications	2	5	Under Water Dry Diving Suit as per attached specifications	2	6	Lifting Bags Set as per attached specifications	1	7	Leak Sealing Plugs as per attached specifications	1	8	Leak Sealing Wedge and Cone Kit as per as per attached specifications	1	
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9	Electrical Demolition hammer with 1900 W Power and min of 60 Joules of impact energy	1
10	Electrical Wood Cutting Saw 2KW capacity, 160 cm circumference cutting capacity	1
11	Electrically Operated Conc. Cutting Saw, 2KW Power, 300 mm wheel diameter	1
12	5KVA Petrol Driven Portable Generator	1
13	Rope ladders-inter-connectable 10 mtrs	1
14	Glass breaker with holder	1
15	Blankets, woolen (IS : 1681-1972)	4
16	Fire Retardant Blanket 2 X 2 m (in case)	2
17	Goggles for Gas/Electrode welding, Gas/Chemicals resistant	4
18	Set of Hydraulic Rescue Tools - Hydraulic Power Unit, Combi-Tool & Telescopic Ram with accessories as per attached specifications.	1
19	Pulling and Lifting Machine, lifting 3 Tons or Pulling 5 Tons, with wire rope and hook	1
20	Fire hook (see IS : 927-1981)	1
21	Petrol Driven Positive Pressure Ventilator (Blower) - 16" Size Engine of 5.5 HP, 16" Fan Size, 17 blades, 19,800 m ³ /hr, Weight : 30 Kgs (approx.)	1
22	Multi Grab hook with wire cable for water rescue	1
23	Lowering line of 50 mm of 15 mtrs, 30 mtrs & 50 mtrs each	1
24	Hardwood blocks, assorted, from 75 to 225 mm thick and 300 mm	1
25	Spades (IS : 2238-1979)	1
26	Shovel [IS : 274 (Parts 1 and 2)-1981]	1
27	Mattocks handle	1
28	Hardwood blocks, assorted, from 75 to 225 mm thick and 300 mm	
29	Tool Box (Heavy Duty) – Mechanical 2 adjustable spanners, 300 mm and 450 mm 1 set of box spanners (up to 50 mm) 2 Still son wrenches, 150 mm and 450 mm 1 hacksaw frame 12 hacksaw blades 2 cold chisels 12.5 mm and 25 mm, 1 hammer, 1 kg 4 steel wedges 1 pair of side cutting pliers, 180 mm with insulated handles 1 breast drill 3 twist drills - 6.35 mm, 12.7 mm and	1

	19.0 mm 1 bolster 100 mm 2 center punch 1 hacksaw for corrugated iron 1 screw driver, insulated 1 persuader, 1 pair, tin men's shears 1 Bolt Cutter		
30	Carpenter Tool kit Measure Tap – 2 Nos. (30 ft & 50 ft) Scissor – 1 No. Big Hand Drill- 1 No, Hand saw – 1 No. File Smooth and File Bastard – 1 Set Chisel (Small and big) 1 No. each Right Angle – 1 No.	1	
31	Electrical Tool Box kit Electrical current leak detector/meter – 1 No. Complete with Digital Multimeter-1 No. Testers – 1 Set Black Tapes -2 Sets Cutting pliers for wire cutting – 2 Nos. (1 Small , 1 Big) Solder machine with wax and wire – 1 No. Anchor make Extension box of 50 mtr wire – 1 No. Socket for testing – 1 No. Rubber Hand Gloves – 2 Pair Fuse Wire	1	
32	Axes, felling (IS : 703-1966)	1	
33	Crowbars 1 m long (IS : 704-1968)	1	
34	Sledge Hammer - 10 pound with MS handle (IS : 841-1968)	1	
35	Hammer, 3 kg (IS : 841-1968) Brass make	1	
36	Rake, 3 prong (IS : 5991-1971)	1	
37	Pairs of High ankle electric shock proof safety boots, high voltage type	4	
38	Rubber Mat 1 m x 1 m x 20 mm	1	
39	Shears with large handle of 600 mm	1	
40	Shears with small insulated handle of 400 mm	1	
41	Flood lights 500 W-220 V	2	
42	Traffic guide cones	4	
43	Canvas salvage sheet 3 000 X 3 000 mm	1	
44	Water Gel blanket of 8'' x 6'' size	1	
45	Chemical protective overall (PVC Suit)	4	
46	Face Shields with chin & brow guard with ratchet head gear	2	
47	Gum Boots with steel toe (7, 8, 9 & 10 Size) Each	1	
48	Basket stretcher (Collapsible type-	1	

	canvas)			
49	First Aid Box for 50 persons	1		
50	<p>Locker Mounted Manual Turning Light Mast</p> <p>An imported Telescopic Light Mast pneumatically operated through the vehicle air tank should be fixed rigidly on suitable side of the vehicle in such a manner that it should not be damaged due to any jerks. It should be extendable up to a steady height of approx. 5-6 mtrs from ground level and fitted with 4 x 50 W LED Lights (20,000 Lumens) through a Fixed Light Support Head. A handle shall be provided at the bottom of the mast to rotate the mast to Left or Right. Permanent connections for taking power supply from a power source set through spiral wire in protective sleeve shall be provided along with the earthed sockets at the Light Supports. Mast shall be made of extruded seamless aluminium construction, anodized in natural color.</p>	1		
10	TECHNICAL SPECIFICATIONS OF SPECIAL ACCESSORIES			
10.i	<p><u>SELF CONTAINED BREATHING APPARATUS</u> Open Circuit Self Contained Breathing Apparatus Set shall be of 6 Liters WC & 300-bar pressure of working duration of 30 Minutes. SCBA shall be CE marked to EN 137 & air cylinder with valves shall have NOC from CCE-Nagpur. The SCBA shall comprise of following:</p> <ul style="list-style-type: none"> • BA Set should have 2 stage regulator with mask and diaphragm having wide sealing edge which is lightly pressed against the face by the positive pressure creating a better seal. • It should have a large trogamide visor. Mask should be suitable for fitting with a radio interface • The valve should be balanced to give the same excellent characteristics irrespective of secondary pressure to prevent buildup of carbon dioxide • Thermoplastic anatomically shaped • BA Set complete with pressure gauge and warning whistle over the left shoulder. • Air Cylinder made of seamless steel with ratchet type hand wheeled valve shall be of 6 Liters WC 300 bar pressure for total 45 min. duration & shall have NOC from CCE-Nagpur. • BA Set should have extra Din connector for chemical suit and also have EN 137 Approval and SOLAS (MSA) Certification and manufactured by ISO:9001 Certified company 			

10.ii	<p><u>AIRLINE EQUIPMENT</u></p> <p>A long duration (Minimum 120 Min duration) Compressed Air Breathing Cylinder System mounted on trolley unit for supplying breathing air from interchangeable Air Cylinders of 6 Litres WC charged to 300 bar pressure of 30 Min. duration each having NOC from CCE-Nagpur. Compressed Air Breathing Cylinder Trolley Unit shall be robust, complete with multipurpose airline belt manifold which provide facility to connect to an air supply quickly and safely. The belt manifold will be provided with quick release couplings and pressure gauge from where the breathing hose will connect to the breathing valve and full-face mask. The Unit shall be designed to accommodate four cylinders. The total effective duration shall be minimum 2 hours, if used by one person. Air Cylinders shall be connected in such a way that when one cylinder is exhausted it can be replaced without interrupting the flow of air from the other cylinders. Each cylinder will be connected to the manifold with a NRV and a flush valve. One Hose Reel of 45 Mtrs length will be mounted. Pressure reducer will show cylinder pressure as well as line pressure and should be able to adjust the line pressure. One or two men can use it at a time with ‘Y’ Connection (1 or 2 face mask with breathing valve can be coupled at a time). Equipments capable to be connected to the SCBA as well as SCUBA</p> <p>The Compressed Air Breathing Cylinder Trolley Unit shall be comprises of:</p> <ul style="list-style-type: none"> • Adjustable SS or Flame Retardant Fabric Cylinder Band for each Air Cylinder. • Compact, automatic positive pressure & first breathe actuation; bayonet connection Lung Demand Valve. • Full Vision Face Mask Silicone rubber with Speech diaphragm, five-finger head harness, polycarbonate visor. • ‘Y’ piece manifold with two waist belts, Lung Demand Valves & Full Vision Face Masks. • Pressure Gauge of SS with Highly luminous dial on high & low-pressure lines & Whistle Unit shall be mounted on the unit. • Air Cylinder of steel with hand wheeled valve shall of 6 Liters 300 bar pressure with NOC from CCE-Nagpur. • Regulator should be imported only <p>The Air Cylinders, Lung Demand Valve with Face Mask shall be compatible or interchangeable with Self Contained Breathing Apparatus and of same make as of BA Set.</p>	
10.iii	<p><u>SELF CONTAINED UNDERWATER BREATHING APPARATUS (SCUBA)</u></p> <p>Regulator shall be extremely compact/small and comfortable having 2 stage system, Anti freezing device shall be mounted on both 1st and 2nd Stage regulator. Regulator shall be as per DIN 477 Norm. Standard version having quick connection for extra air outlet, buddy breathing or surface supply. Pressure Gauge mounted on chest, also warning device relief valve integrated in the breathing valve. Main parts of the equipment shall be fixed without any tools and also flexibility for different application cylinder volumes, packages etc. The unit shall</p>	

	<p>be designed in such a way that it can be fitted very close to the wearer. No breathing hose or high pressure hose comes around the head of the driver. Apparatus shall have minimum risk to get hooked up. Mask having Low volume visor, which reduces the positive buoyancy generated from the air in the mask. The mask shall be equipped with retainers for goggles frames. Easy adjustable push pad for pressure equalizing of ears. Spoiler to prevent the visor from mist. Low dead space to eliminate re-inhalation of CO2. Soft and flexible sealing to prevent from leakage. Excellent design for air flow to eliminate noise from turbulence. Good especially for underwater communication system, especially easy to drain from water filling. The drill for emergency is eliminated to a minimum. No demands for build in mouth piece. Air cylinder shall be of steel material. It shall be of 6 liters 300 bar cylinder (1800 liters). The air cylinder shall have burst disk to prevent overloading. Suitable for use up to maximum depth of 60 feet. The entire unit shall be CE Certified.</p>	
10.iv	<p><u>UNDER WATER DRY DIVING SUITS</u></p> <p>The dry diving suit shall be designed to carry the breathing apparatus outside of the suit. Alternatively air can be supplied directly from the surface. The dry suit system i.e. suit and undergarment must provide thermal protection.</p>	
10.v	<p><u>Garment Material</u></p> <p>Strong and flexible knitted polyester fabric coated on one side with a polymer smooth surface and weight should be light & should not exceed 330 gram/m2.</p>	
10.vi	<p><u>Seams</u></p> <p>Welded seam, reinforced internally with fused polymer coated type.</p>	
10.vii	<p><u>Footwear</u></p> <p>Attached rubber coated neoprene boots Sole has a rough "anti-slip" surface fin strap retainer on heel, prevents fin strap to slid off.</p>	
10.viii	<p><u>Zipper</u></p> <p>Medium duty zipper placed across shoulders. The zipper shall be gas and water tight.</p>	
10.ix	<p><u>Reinforcements</u></p> <p>It shall have an extra layer of polymer with anti-slip surface welded on the suit. This protects the suit from abrasion in certain areas eg. Lower leg and knees.</p>	
10.x	<p><u>Braces/suspenders</u></p> <p>Elastic heavy duty braces inside the suit for easy crutch adjustment.</p>	
10.xi	<p><u>Attachments</u></p> <p><u>Hood</u></p> <p>Glued on the suit is a hood of neoprene or alternatively neck seal only. When hood should be mounted the neck seal is glued to the suit underneath the hood.</p>	

	<p><u>Cuffs</u></p> <p>The latex two step cuffs shall be glued to the suit. The glued seam shall be covered with a chloroprene tape on the outside.</p> <p><u>Operation Buoyancy Control</u></p> <p>It should be possible to adjust and control buoyancy of the suit by inflating air thorough an inlet valve, when cooled. The valve is positioned where it interferes the least with any other diving equipment i.e. center chest, if required it may be moved to another position.</p> <p><u>Swimming</u></p> <p>It shall be suitable to swim with a dry diving suit. When attaching swimming fins to the suit there are fin strap retainers to hold the strap in peace over the heel.</p> <p><u>Accessories supplied together with each suit</u></p> <p>User's manual. Repair kit with zip care tools, sand paper, glue and patches, suspenders, inflator hose and storage bag. Standards : tested and CE approved by the notified body.</p>																																			
10.xii	<p>HIGH PRESSURE LIFTING BAGS</p> <p>The high pressure lifting bags must be Kevlar Chord Reinforced High Quality Alloy Rubber made. All the metal parts used must be of Brass / Stainless Steel only. The bags shall have a design inflation pressure of 8 bar and burst pressure higher than 32 bar. The surface of the bags must be adequately curled / dimpled to provide grip when the bags are stacked one over the other. The bags must meet the following technical data :</p> <table border="1" data-bbox="349 1279 1123 1722"> <tr> <td>Size (max)</td> <td>mm x mm</td> <td>450 x 450</td> <td>550 x 550</td> </tr> <tr> <td>Insertion Height (max)</td> <td>mm</td> <td>30</td> <td>30</td> </tr> <tr> <td>Weight (max)</td> <td>kg</td> <td>5.5</td> <td>8.5</td> </tr> <tr> <td>Lifting Height (min)</td> <td>mm</td> <td>200</td> <td>250</td> </tr> <tr> <td>Lifting Capacity (min)</td> <td>Tons</td> <td>12.5</td> <td>20.0</td> </tr> <tr> <td>Air Requirement (max)</td> <td>Litres</td> <td>160</td> <td>300</td> </tr> <tr> <td>Inflation Time (max)</td> <td>sec</td> <td>7.0</td> <td>15.0</td> </tr> </table> <p><u>List of Accessories</u></p> <table border="1" data-bbox="349 1823 1129 2018"> <tr> <td>Dual Deadman Controller in Plastic Box</td> <td>1 Unit</td> </tr> <tr> <td>10 meter Inflation Hose with Shut Off Valve / Ball Valve (Yellow, Red, Blue)</td> <td>3 Nos</td> </tr> <tr> <td>Pressure Reducer (300 Bar to 8 Bar)</td> <td>1 No</td> </tr> </table>	Size (max)	mm x mm	450 x 450	550 x 550	Insertion Height (max)	mm	30	30	Weight (max)	kg	5.5	8.5	Lifting Height (min)	mm	200	250	Lifting Capacity (min)	Tons	12.5	20.0	Air Requirement (max)	Litres	160	300	Inflation Time (max)	sec	7.0	15.0	Dual Deadman Controller in Plastic Box	1 Unit	10 meter Inflation Hose with Shut Off Valve / Ball Valve (Yellow, Red, Blue)	3 Nos	Pressure Reducer (300 Bar to 8 Bar)	1 No	
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10.xiii	<p>PIPE PLUG LEAK SEALING KIT</p> <p>The Pipe Plug Leak Sealing Kit shall be a combination of Elliptical Plugs & Pneumatic Pipe Plugs with assorted accessories. They should comply to the below technical data :</p> <p>Elliptical Plugs :</p> <table border="1"> <thead> <tr> <th rowspan="2">Size</th> <th>Usage Diameter</th> <th>Inflation Pressure (bar)</th> <th rowspan="2">Deflated Plug Size</th> <th>Insertion Opening</th> <th>Weight (Kgs)</th> <th rowspan="2">Size</th> <th rowspan="2">Usage Diameter Min</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Diameter</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>50 - 80</td> <td>45</td> <td>80</td> <td>3.0</td> <td>45</td> <td>280</td> <td>50 - 80</td> <td>45</td> </tr> <tr> <td>80 - 130</td> <td>75</td> <td>130</td> <td>3.5</td> <td>76</td> <td>360</td> <td>80 - 130</td> <td>75</td> </tr> <tr> <td>100 - 160</td> <td>100</td> <td>160</td> <td>2.0</td> <td>98</td> <td>420</td> <td>100 - 160</td> <td>100</td> </tr> </tbody> </table> <p>Cylindrical Plugs :</p> <table border="1"> <thead> <tr> <th rowspan="2">Plug</th> <th colspan="2">Usage Diameter</th> <th rowspan="2">Inflation Pressure (bar)</th> <th colspan="2">Deflated Plug Size</th> <th rowspan="2">Weight (Kgs)</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Diameter</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>Z 1</td> <td>20</td> <td>33</td> <td>2.5</td> <td>19</td> <td>98</td> <td>0.02</td> </tr> <tr> <td>Z 1½</td> <td>33</td> <td>40</td> <td>2.5</td> <td>32</td> <td>100</td> <td>0.07</td> </tr> <tr> <td>Z 2/3</td> <td>46</td> <td>77</td> <td>2.5</td> <td>45</td> <td>110</td> <td>0.11</td> </tr> <tr> <td>Z 3/4</td> <td>71</td> <td>102</td> <td>2.5</td> <td>70</td> <td>130</td> <td>0.25</td> </tr> <tr> <td>Z 4/6</td> <td>86</td> <td>153</td> <td>2.5</td> <td>85</td> <td>195</td> <td>0.42</td> </tr> </tbody> </table> <p>Cylindrical Bypass Plugs :</p> <table border="1"> <thead> <tr> <th rowspan="2">Plug</th> <th colspan="2">Usage Diameter</th> <th rowspan="2">Inflation Pressure (bar)</th> <th colspan="2">Deflated Plug Size</th> <th rowspan="2">Weight (Kgs)</th> <th rowspan="2">Bypass Diameter</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Diameter</th> <th>Length</th> </tr> </thead> <tbody> <tr> <td>S 2</td> <td>46</td> <td>52</td> <td>2.5</td> <td>45</td> <td>110</td> <td>0.17</td> <td>3</td> </tr> <tr> <td>S 3/4</td> <td>71</td> <td>102</td> <td>2.5</td> <td>70</td> <td>130</td> <td>0.35</td> <td>12.5</td> </tr> <tr> <td>S 4/6</td> <td>86</td> <td>153</td> <td>2.5</td> <td>85</td> <td>195</td> <td>0.65</td> <td>12.5</td> </tr> </tbody> </table> <p>The following accessories shall be supplied along with :</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Quantity</th> </tr> </thead> <tbody> <tr> <td>Tyre Valve Extension Hose 1 meter</td> <td>2</td> </tr> <tr> <td>Anti Static Inflation Hose 3 meter</td> <td>1</td> </tr> <tr> <td>Static Discharge Kit & Mini Hand Pump</td> <td>1</td> </tr> <tr> <td>Shut Off Valve R 1/2</td> <td>1</td> </tr> <tr> <td>Shut Off Valve R 1/8</td> <td>1</td> </tr> <tr> <td>Bag of Assorted Wooden Corks</td> <td>1</td> </tr> <tr> <td>Portable Case</td> <td>1</td> </tr> </tbody> </table> <p>All dimensions are in millimeter unless specified.</p>				Size	Usage Diameter	Inflation Pressure (bar)	Deflated Plug Size	Insertion Opening	Weight (Kgs)	Size	Usage Diameter Min	Min	Max	Diameter	Length	50 - 80	45	80	3.0	45	280	50 - 80	45	80 - 130	75	130	3.5	76	360	80 - 130	75	100 - 160	100	160	2.0	98	420	100 - 160	100	Plug	Usage Diameter		Inflation Pressure (bar)	Deflated Plug Size		Weight (Kgs)	Min	Max	Diameter	Length	Z 1	20	33	2.5	19	98	0.02	Z 1½	33	40	2.5	32	100	0.07	Z 2/3	46	77	2.5	45	110	0.11	Z 3/4	71	102	2.5	70	130	0.25	Z 4/6	86	153	2.5	85	195	0.42	Plug	Usage Diameter		Inflation Pressure (bar)	Deflated Plug Size		Weight (Kgs)	Bypass Diameter	Min	Max	Diameter	Length	S 2	46	52	2.5	45	110	0.17	3	S 3/4	71	102	2.5	70	130	0.35	12.5	S 4/6	86	153	2.5	85	195	0.65	12.5	Description	Quantity	Tyre Valve Extension Hose 1 meter	2	Anti Static Inflation Hose 3 meter	1	Static Discharge Kit & Mini Hand Pump	1	Shut Off Valve R 1/2	1	Shut Off Valve R 1/8	1	Bag of Assorted Wooden Corks	1	Portable Case	1
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10.xiv

SEALING WEDGES & CONES

Sealing wedges and cones are used for quick sealing of cracks or slot shaped punctures on ground storage tanks or tankers on trucks and railcars. Three different size wedge shaped plugs must be supplied, which can be used for sealing cracks (15 - 60 mm). One cone shaped plug must be supplied, which can be used for sealing holes 30 - 90 mm diameter. The remote placement pole, (push and inflation rod) and spray deflector is required to install and inflate cones or wedges from a distance. The Wedges and Cones shall require 1.5 bar pressure for Inflation. They should comply to the below technical data :

Description	Deflated Size (mm)	Usage Height (mm)	Usage Width (mm)	Max. Weight (Kgs)
Wedge 1	230 x 60 x 50	15 - 45	60 - 80	0.5
Wedge 2	230 x 80 x 55	15 - 45	80 - 110	0.5
Wedge 3	230 x 110 x 70	30 - 60	110 - 170	0.5
Cone	230 x Ø 7	30 - 90	-	0.5

The Kit shall comprise of the following :

Description	Quantity
Wedge Shaped Sealing Bags of Sizes as above (1 each)	3
Cone Shaped Sealing Bag	1
Push & Inflation Rod, 350 mm, with Chain & Deflation Nipple	1
Push & Inflation Rod, 350 mm	3
Shut Off Unit	1
Foot Pump with Safety Valve, 1.5 bar	1
Portable Pelican Case 600 mm x 400 mm x 135 mm	1
Splash Protection Disk	1

10.xv

HYDRAULIC RESCUE TOOLS AND ACCESSORIES

The Hydraulic Rescue tools shall be portable and light-weight, and shall be suitable to use by one man. The Hydraulic Rescue tools and its accessories shall comply with all the requirements stipulated under EN 13204 or equivalent national / international standards. All tools, hoses and pumps shall be equipped with compact, non-drip quick-connect couplings fast and easy connection. All female couplers shall be equipped with automatic self-locking to prevent accidental disconnecting. Preferably the couplers would have 360 degrees free movement for the easy of uncoiling. There should be a single hose for pressure and return line. The hoses shall be fitted in the center of the handle to avoid personal harm in case of leakage. The hoses shall allow full 360° rotation and shall be in case of dual hose system equipped with anti-kink springs over the entire length.

The hydraulic rescue tools shall be designed to withstand a test pressure of two times their maximum working pressure. Each tool has to be equipped with two

	<p>internal safety valves for protection against any type of mechanical or hydraulic overload for each cylinder and each tool shall have a separate safety valve for protection against overpressure in case one of the return couplers is disconnected. Moreover, all tools shall be tested for safety according to the American UL requirements (e.g. full load cycle tests) and comply with the European CE safety standards and European Norm. EN 13204. All hydraulic rescue tools shall be equipped with automatic double pressure check valves to hold any load in any position when the control valve is in neutral position, or in cases of disconnected couplers or sudden pressure drops. A male connector shall be fitted to the tool to connect the hose.</p> <p>The cutters and spreaders shall be provided with a non-slip, U-shaped carrying handle which allows the operator to reposition the tool from one side to the other (left to right and back) without the need to reposition the hand or to release the handle in order to do so. The position of the carrying handle and the control handle shall allow easy operation for right handed as well as left handed operators.</p> <p>The tool body, yokes, and spreader arms shall be made out of high quality aluminum alloy for solid construction with low weight. All aluminum alloy parts shall be ANODISED as a protection against corrosion and scratching. All hinge pins, levers and cutter blades shall be made out of high tensile (heat treated) tool steel, blackened as protection against corrosion. The tools construction shall allow under water use for long periods without the risk of any material damage to any part of the tool. All hydraulic tools, pumps, hoses and accessories would be fully operational for longer periods at temperatures of -20 up to + 55°C.</p>	
10.xvi	<p><u>HTDRAULIC COMBINATION TOOL</u></p> <ul style="list-style-type: none"> ➤ Spreading opening not less than 360 mm ➤ Minimum spreading force 25 mm from tips (acc. to EN13204) not less than 35 kN ➤ Maximum spreading force not less than 211 kN ➤ Pulling force not less than 50 kN ➤ Squeezing force not less than 75 kN ➤ Maximum cutting force not less than 380 kN ➤ Cutting round bar (acc. to EN13204) not less than 32 mm ➤ Equipped with high flow valve for 65% quicker opening ➤ Weight including hydraulic oil shall not exceed 14.5 kg ➤ Dimensions (L x W x H) shall not exceed 790 x 270 x 205 mm ➤ Flat face coupler (easy to clean) mounted directly to tool (no pigtail hoses allowed) to allow fast (un)coupling and to prevent coupler coming into contact with dirty surface/ground ➤ To assist the operator and increase safety while working in dark or poorly lit circumstances the carrying handle shall have at least four integrated LED lights 	

	<ul style="list-style-type: none"> ➤ Central bolt head and nut mounted directly to steel blades resulting in less blade separation (optimum cutting performance) and flatter design for better access ➤ To improve durability the blades must be machined from high grade tool steel and not forged ➤ Aluminium blade holder fitted with a set of steel protection covers to shield the front of the tool from damage during the rescue operation 	
10.xvii	<p><u>TELESCOPIC RAM (Opposite Opening Twin Plungers)</u></p> <ul style="list-style-type: none"> ➤ Pushing force over full stroke plunger not less than 160 kN ➤ Number of plungers: 2 ➤ Stroke not less than 480 mm (2x 240 mm) ➤ Pulling force not less than 50 kN ➤ Retracted length not more than 750 mm ➤ Extended length not less than 1220 mm ➤ Equipped with high flow valve for 35% quicker opening ➤ Weight including hydraulic oil shall not exceed 15.5 Kgs ➤ Dimensions (L x W x H) shall not exceed 750 x 125 x 340 mm ➤ Flat face coupler (easy to clean) mounted directly to tool (no pigtail hoses allowed) to allow fast (un)coupling and to prevent coupler coming into contact with dirty surface/ground 	
10.xviii	<p><u>HYDRAULIC POWER PACK BATTERY OPERATED</u></p> <p>The battery driven hydraulic power pack shall be capable of powering tools, independently and have connection possibility for additional tools. The hydraulic pump shall be driven by a 36 V DC – 940 W battery. The power of the battery shall be sufficient to drive the hydraulic pump to give output sufficient to operate the tool without reduction in the speed. The battery capacity shall be such that, it allows the pump to run for minimum Two hours in Idle condition and min. one hour in normal vehicle extrication operation.</p> <p>The battery and the pump shall be mounted on suitable tubular carrying frame with integrated carrying handle. The noise level of the power pack when it is running shall not be more than 75 dB at 1 mtrs. Suitable gauges shall be provided to find out the quantity of hydraulic oil in the power pack. There shall be provision of light near the valve block for ease in operation during the night time. All the controls on the power pack shall be easily accessible and properly labelled in English language.</p> <p>The power pack shall be provided with 3 stage radial piston pump with a minimum output of 2800 – 3000 cc/min per valve in the first stage and at least 1100 - 1250 cc/min per valve in the second stage and at least 500cc in the third stage. Each pump shall be provided with an automatic change-over valve that switches the first stage output to no load to assure the high output in first stage</p>	

and second stage. Each pump shall be protected with two internal safety valves, factory set at a suitable maximum pressure.

It should comply with the specifications given

Battery	36 V DC / 940 W
Capacity oil tank (effective)	Approx. 1.5 litres
Pump type	3 stage radial pump
Weight (incl. Power Pack, Hyd. Oil and Fuel)	≤ 18 Kgs
No. of tools connected	One

ANNEXURE – II

TENDER NO:

Date:

DECLARATION BY THE BIDDER

We, hereby declare that we have made ourselves thoroughly conversant with local conditions regarding all materials of which based our rates for this work. The specifications of this work have been carefully studied and understood by us.

We hereby agree that the fabrication work will be executed within the cost mentioned in our financial bid and there will be no escalation in cost for any reason whatsoever. We also agree that if we fail to complete the work and drop in between **Fire & Emergency Services, Assam** shall have right to recover the full amount from us. We shall accept any amendments made by **Fire & Emergency Services, Assam** from time to time during total fabrication completion period including 1 (one) year Guarantee Period.

We are also committed to complete the work within the stipulated time period specified in the work order and will not ask for any further time extension.

We are bound to work as per Tender and work order issued by **Fire & Emergency Services, Assam** for this work with 1 (one) year guarantee period. In case of failure in providing adequate service, we shall be responsible for any loss and for the action taken by competent authority of **Fire & Emergency Services, Assam** leading to black-listing.

We shall comply with the provision of Contract labour (Registration and Abolition) Act 1970, Minimum Wages Act 1948, Payment of Wages Act 1963, Workman's Compensation Act 1961, the Contract Labour (Registration and Abolition) Act, 1979 and all other related Acts and any modification thereof or any law relating thereto and rules made there under from time to time. **Fire & Emergency Services, Assam** shall not be responsible in this regard.

We shall be wholly responsible for any accident or any unusual/ unexpected circumstances occurring during the execution of fabrication work and also during the guarantee period of 1 year.

We hereby declare that there is no vigilance/ CBI or court case pending/ contemplated against us at the moment.

(Signature of the Tenderer)

Name: _____

Designation: _____

Seal:

Date:

Place:

ANNEXURE – III

TENDER NO:

Date:

DETAILS OF EXPERIENCE

Name of the Bidding Firm:								
List of works completed in last 3 years								
Sl. No.	Name of the Fabrication	Name & Address of the Client	Contact Telephone Numbers of the client	Major fabrication and supply of Mini Rescue Tender	Value of Work in Rs.	Start Date	Due date of Completion	Actual Completion Date

(Please use extra sheets, if required)

- Note:** 1. If actual completion date is beyond the schedule completion date, please give reasons for the delay.
2. Attach relevant completion certificates document for works in previous 3 years.

Signature:

Name:

Designation:

Company seal:

Date:

ANNEXURE – IV

TENDER NO:

Date:

ANNUAL TURNOVER STATEMENT

The Annual Turnover of M/S _____ for the past three years and concurrent commitment for the current financial year are given below and certified that the statement are true and correct.

Sl. No.	Year	Turnover in lakh
1.	2012-13	
2.	2013-14	
3.	2014-15	
Total		= Rs. Lakh
Average of 3 years		= Rs. Lakh

Concurrent Commitment

Sl. No.	Contract Ref	Purchaser	Total Contract Value	Outstanding Value	Estimated Delay in Completion date

Date:

Signature of Auditor/ Chartered Accountant
(name in Capital Letters)

Seal:

ANNEXURE – V

TENDER NO:

Date:

DETAILS OF FABRICATION UNIT/ AFTER SALES SERVICE

For supply of _____

- 1) Name of the fabricator :
- 2) Full postal Address :
- 3) Telephone No./ Fax No. :
- 4) Email address :
- 5) Date of inception of business :
- 6) Registration No. & Date :
- 7) Issued by :
- 8) Valid till :
- 9) Details of manufacturing activity & item wise capacity :
- 10) Name of Govt. Department/ Pvt. Institutions : As per enclosure
to which the bidder already supplied the
duly fabricated Mini Rescue Tender.
with quantity value and supply period.
- 11) Has the bidder ever been blacklisted by :
any govt. agency? If yes, give details.
- 12) Are any cases pending in the court relate to :
Any supplies? If yes, give details.
- 13) Does the firm have the adequate facilities :
for Inspection and quality control
Please give details.
- 14) Does the firm have the adequate facilities :
for “After sales Service” in Assam or in the
NE Region .
Please give details of set-up.

I, _____ Prop./ Partner/ Director of
M/S _____

hereby declare that the information given in this form is true and correct to the best of my knowledge & belief.

I/we agree to the Tender Inviting Authority forfeiting the Earnest Money Deposit and/or Performance Security Deposit and blacklisting us for a period of 5 years, if any information furnished by us is proved to be false at the time of inspection and non-compliance with terms and conditions of the contract.

I/we offer to supply the items mentioned in the schedule (enclosed in price bid) at the rates quoted therein. I/we agree to hold this offer for two years after finalization of contract.

SIGNATURE :
NAME & DESIGNATION :
DATE :
SEAL :

- ❖ The details of fabrication unit shall be for the premises where items quoted are actually fabricated.

ANNEXURE – VI

TENDER NO:

Date:

UNDERTAKING ON FRAUD & CORRUPTION

We do hereby undertake that, in competing for (and, if the award is made to us, in executing) the contract for fabrication of Mini Rescue Tender against the above referred tender we shall strictly observe the terms and conditions against fraud and corruption in force in the country.

SIGNATURE :
NAME & DESIGNATION :
DATE :
SEAL :

ANNEXURE – VII

TENDER NO:

Date:

AGREED TERMS & CONDITIONS

A. Details of Bidder

Bidder Name	
Offer Ref:	Contact person:
Telephone No.:	Signature:
Fax No.:	E-mail:

B. Definitions

Sl. No.	Description	Vendor's Confirmation (Confirmed/ Noted/ Deviation furnished separately)
	C. Technical	
1	Confirm that you meet the eligibility criteria as per bid document and have furnished relevant documents	
2	Confirm acceptance of Technical Specification as per Tender Document	
3	In case of deviations, confirm that the same have been highlighted separately.	
4	Confirm that literature and technical data, wherever applicable, have been enclosed.	

5	Confirm that all certificates/ documents furnished	
6	Confirm that Earnest Money Deposit (EMD) as per bid document has been furnished in Cover-A	
	D. Commercial	
1	It is noted that any deviations to the commercial terms and conditions shall lead to loading of prices or rejection of offer.	
2	Confirm that the quoted landed price is inclusive of cost of fabrication of Mini Rescue Tender and other charges including freight, insurance and all duties and taxes viz. Excise Duty, sales tax/ VAT.	
3	Confirm furnishing of price break-up of fabrication showing basic price and Tax/VAT on %age of basic price to arrive at landed price in D2 above.	
4	It is noted that the statutory variations in taxes and duties within the contractual delivery period shall be borne by the purchaser.	
5	If there is any variation or fresh imposition of Excise Duty at the time of supply due to various reasons, including turn-over, confirm that the same shall be borne by supplier.	
6	If clause 5 above is not acceptable, advice maximum possible rate of additional ED chargeable; this shall be loaded to your price.	
7	Confirm that in case any new or additional duties and taxes are imposed after the contractual delivery date due to delays attributable to the supplier the same shall be borne by the supplier. This will be in addition to Price Reduction for Delay in Delivery.	
8	Confirm acceptance of Delivery/ Completion Period as indicated in the bid document.	
9	Confirm acceptance of relevant payment terms specified in the bid document.	
10	It is noted that delivery period, price reduction, termination etc. are subject to Force Majeure Condition as stipulated in the bid document.	
11	Confirm that the quoted priced shall remain firm & fixed till complete execution of the order.	
12	a) In case you are a fabricator confirm that the prices quoted are not higher in any respect than prices offered to other Govt. Departments/ Organizations. b) In case you are a dealer/ distributor/ authorized agent, confirm that the prices quoted are as per fabricator's price list with appropriate discount.	
13	Packing/ forwarding, transportation, loading/ unloading and insurance are supplier's responsibility. However, to protect the items from physical damages and/or deterioration due to weather during transit, supplier to ensure proper packing & handling arrangement. Please confirm compliance.	
14	Confirm that Bank Guarantee of chassis from a nationalized Bank shall be furnished, which will be valid till expiry of the Guarantee period.	

15	Confirm acceptance of Repeat order within 24 months from the date of initial order at same price and terms & conditions.	
16	It is noted that the purchaser would disown any responsibility/ liability towards irregularity, contravention or infringement of any statutory regulations including those of patent, on manufacture or supply of goods covered by the order.	
17	Terms and conditions indicated in this format shall not be repeated in the bid. Terms and conditions indicated elsewhere and contradicting those in this format shall be ignored. Confirm compliance.	
18	Confirm that you shall observe the highest standard of ethics during bidding and in case favoured with an order, the execution of the order will be completed, without resorting to any fraud, corruption and/or coercion.	
19	Confirm that validity of offer shall be 1(one) year from the date of finalization of the order.	
20	Confirm that the Road Permit as per the bid document.	
21	Confirm that Guarantee of duly fabricated Mini Rescue Tender as per bid document.	
22	Confirm that F.O.R. destination at Guwahati as per bid document.	
23	Confirm that transportation of Fire Tender as per bid document.	
24	Confirm that inspection and test as per as per bid document.	
25	Confirm that legal proceeding of any dispute to be settled as per bid document.	

SIGNATURE :
NAME & DESIGNATION :
DATE :
SEAL :

ANNEXURE –VIII

TENDER NO:

Date:

CHECK LIST

Sl. No.	Cover – A	Yes	No
1	Court Fee/ IPO affixed		
2	EMD in the form of DD furnished		
3	Documentary evidence of constitution of the Company/ Firm		
4	Copy of Fabricating/ Trade License issued by the competent Licensing Authority for the quoted products		
5	The instruments such as Power of Attorney, Resolution of Board etc.		
6	Sales Tax/VAT & Service Tax Registration Certificate		
7	PAN Card		
8	Declaration as per Annexure – II		
9	Details of experience as per Annexure-III		
10	ISO 9001:2008 certificate		
11	Annual Turnover Statement for 3 years as per Annexure-IV		
12	Details of Fabrication Unit as per Annexure-V		
13	Undertaking of Fraud & Corruption as per Annexure-VI		
14	Agreed Terms and conditions as per Annexure-VII		
15	Fabricator's authorization (if applicable)		
16	Signature & Seal on each page of Bid Document		
Sl. No.	Cover – B	Yes	No
1	Price Bid as per Annexure - IX		

ANNEXURE – IX

TENDER NO:

Date:

PRICE BID

Fabrication of Mini Rescue Tender with Equipments

Sl. No.	Name of Work/equipment	Rate (in figures)	Total amount (in figures)
1	Fabrication of Mini Rescue Tender for Fire & Emergency Services, Assam.		
2	Equipment (each) of Mini Rescue Tender.		
3	Tax/ CST/ VAT		
4	TOTAL COST (1+2+3)		

(Signature of the Tenderer)

Name: _____

Date:

Designation: _____

Place:

Seal:

Copy to:

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

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