

GOVERNMENT OF PAKISTAN  
PAKISTAN ORDNANCE FACTORIES  
**TENDER ENQUIRY**

To

Dear Sirs,

Reference: **TENDER ENQUIRY NO. 05-LP-CAPT PUR-50-RESCUE EQUIPMENT-SER DATED 18-12-2020**

You are requested to submit sealed quotations for the item(s) noted in the Schedule to the Tender. Offer should be sent duly sealed in an envelope. Please note the following instructions for filling the tender:-

1. **SUBMISSION OF TENDER**

1.1 Tenders will be opened at **1300** hours on **27-01-2021** at Bidding Centre adjacent to Rabita Hall, POF Wah cantt and must reach at below mentioned address before 30 Minutes of opening time. The tender received late will not be entertained. You may witness the opening of the tender if you so desire. If a representative is deputed, he should bring CNIC in original and a letter of authority from you.

1.2 Only one tender should be included in one envelope. The outside of the envelope should be inscribed with:-

Tender Enquiry No: **05-LP-Capt Pur-50-Rescue Equipment-Ser Dated 18-12-2020**  
Tender to be opened on: **27-01-2021**  
Address as follows:- **BID CENTRE ADJACENT TO RABITA HALL, POF WAH CANTT**  
**(DIRECTOR SERVICES),**  
Tele: +92-51-9055-21090  
Fax: +92-51-9271400, 9314100

1.3 If envelope does not indicate reference of T.E or received late the same may be returned un-opened.

1.4 Tender " By Hand" can be delivered at Bid Centre, Rabita Hall, POF Wah Cantt.

1.5 offers received through email / fax are not acceptable.

2. **GENERAL INSTRUCTIONS REGARDING PREPARATION OF QUOTATIONS**

2.1 For materials, the prices should be filled in column 5 and delivery date in column 6 of the schedule to this Tender Enquiry. The undertaking should be signed at the bottom of the Schedule which shall form the Quotation. You may use a separate sheet if necessary.

2.2 For Plant and Machinery, you are required to quote in two parts:-

Part I **"Technical Offer"**: It should exclusively give technical details and literatures/brochures of the offered plant, machinery and equipment; validity date; delivery schedule; and signed undertaking given on the schedule to this Tender Enquiry. It must not indicate price, costs etc.

Part II **"Commercial Offer"** It should indicate the commercial terms e.g. price, terms of payment, mode of payment, mode of supply. Each part should be placed in a separate sealed cover. The envelopes should be inscribed with: Part I "Technical Quotation without price" and Part II "Commercial Quotation with Price."

- 2.3 The quotation must remain valid for, at least **120 days** from the date of opening of tenders.
- 2.4 The quotation should hold good for any reduced or enhanced quantities without notice.
- 2.5 In the event of non-acceptance of offer, intimation may be given to the tenderers on their request.
- 2.6 Conditional offers or alternative offers are likely to be ignored.
- 2.7 Quotations should be based on:-  
  
F.O.R. station of Dispatch basis, i.e. delivered free on rail, inclusive of packing and forwarding charges. The stores will be booked under Military Credit Note, to be provided by the purchaser.  
  
and/or  
  
Free delivery at POF's stores at **POF Wah basis**. In this case Octori duty will be payable by the supplier.
- 2.8 Taxes and Duties etc. where applicable, must be shown separately, quoting reference to Registration No. in cases of Sales Tax and relevant authority in the case of others. Offer without these clarifications and inclusive of Taxes and Duties may be ignored.
- 2.9 Taxes and duties levied on or after Tender opening date or on or after the date offer was signed and dispatched will be allowed to include in the offered rates.
- 2.10 "Suppliers will furnish a certificate, issued by Excise & Taxation Deptt, that he has cleared all Professional Tax payable by him" offers received without this certificate will be rejected.
- 2.11 Suppliers will render necessary information regarding hazardous effects on environment, of the materials / products supplied by them, in their quotations and shipping / dispatch documents.
- 2.12 If the requisite information is not furnished on the T.E forms or offer received is not conformity with the requirement of the T.E such offer shall be ignored.

3. **INSPECTION**

- 3.1 Supplies shall be subject to the inspection and acceptance by the competent inspection authority nominated by the Purchaser, who will arrange it at his own cost. Inspection facilities such as tools, test equipment, instruments etc will, however, be provided by the Suppliers in accordance with the relevant specifications.
- 3.2 Where considered necessary by the Purchaser, stores may be obtained on Warranty/Guarantee, subject to inspection on receipt. Rejected stores will be removed and replaced with the acceptable stores by the Supplier at his own expense, within a specified time.

4. **TENDER FEE**

The tender must be accompanied by a non-refundable fee by means of a **crossed postal order/pay order for Rs 500/- in favour of Director Services POFs Wah Cantt.**

5. **BID MONEY**

- 5.1 **Bid Money at the rate of 2% (for registered firms with POFs) and 5% (for unregistered firms with POFs) of the quoted value should accompany the tender in the shape of Deposit At Call Receipt/Pay Order/Banker's cheque, from a scheduled Bank drawn in favour of Director Services. Moreover, a certificate to this effect must be accompanied in technical**

**offer i.e bid money as per desired shape & percentage is available in the commercial offer. Tenders received without Bid Money will be rejected.**

- 5.2 Bid Money of the unsuccessful tenderers will be returned as soon as the scrutiny of the tenders is completed. Bid Money of the successful tenderers will be retained until the contract is finalized. Bid Money will be forfeited in case the quotation is withdrawn before the expiry of its validity date.
- 5.3 State owned organizations are not required to provide Bid Money.

**6. ACCEPTANCE OF OFFERS**

- 6.1.1 The procuring agency may reject all bids or proposals at any time prior to the acceptance of a bid or proposal. The procuring agency shall upon request communicate to any supplier or contractor who submitted a bid or proposal, the grounds for its rejection of all bids or proposals, but is not required to justify those grounds.
- 6.1.2 Procuring agency shall incur no liability, solely by virtue of its invoking sub-rule (1.1) towards suppliers or contractors who have submitted bids or proposals.
- 6.1.3 Notice of the rejection of all bids or proposals shall be given promptly to all suppliers or contractors that submitted bids or proposals.

**6.2 PERFORMANCE BOND**

- (a) The successful bidders shall provide Performance bond at the rate, prescribed by POF Board according to the value of contract which shall not exceed 10% of contract value, in the form of a Deposit At Call Receipt from a scheduled Bank; or, an un-conditional Bank Guarantee valid for 12 months (03 months extendable to 12 months in case of cloth items required by Clothing Fy.) after receipt of store in POFs on a prescribed format. The Performance Bond will be in favour of C.M.A. POF Wah Cantt. It will be returned on satisfactory completion of the contract.
  - (b) If the Supplier fails to furnish the Performance Bond within the specified time, such failure will constitute a breach of the contract and the Purchaser shall be entitled to make other arrangements for purchase of the stores at the risk and expense of the Supplier.
- 6.3 Performance Bond from State owned organizations may be waived off at the discretion of the Purchaser.

**6.4 FAILURE TO SUPPLY THE STORES**

All deliveries must be completed by the specified date. If the failure to deliver the stores within the scheduled time should have arisen from "Force Majeure", which the Purchaser may admit as reasonable ground for further time, he will allow such additional time as he may consider to have been required by the circumstances of the case. Otherwise, he will be entitled, at his discretion, to cancel the contract; and/or, claim liquidated damages upto 2% but not less than 1% of the contract price of the items and their quantities for each and every month or part of a month, beyond the specified delivery date, during which these may not be delivered, subject to a maximum of 10% of the total contract value of the particular stores which remained unsupplied either in part or in full: or, to purchase, from elsewhere, the unsupplied stores at the risk and cost of the Supplier.

**6.5 PAYMENT**

- a. Payment will be made by the C.M.A(POF) through crossed cheque on receipt/acceptance of stores on our prescribed bill form supported by receipt voucher on part/full supply basis.
- b. Payment of duties /Taxes including professional tax(where applicable) must be supported by proof of having paid these to concerned Govt. Taxation Deptt:

7. **SECURITY OF INFORMATION**

The tenderer and his employees must not communicate any information relating to the sale/purchase of stores under this enquiry to any person other than the manufacturer or to any press or agent not authorized in writing by POFs to receive it.

Please return the Schedule to the Tender duly signed by the specified date, along with the specifications drawings etc. if any, enclosed herewith - even if you are unable to quote.

**WARNING** In case the firm abstain from making offers or fail to return/acknowledge the tender form by the specified date on three consecutive occasions, no further tender enquiry may be issued to them and their names would be liable to remove from the approved list.

Yours faithfully,

**(REHAN WAHEED KHAN)**  
**DIRECTOR SERVICES**

Pakistan Ordnance Factories  
Wah Cantt

Tele + 92-51-905521090

Fax + 92-51-9271400 & 9314100

e. mail: [dirser.pof@gmail.com](mailto:dirser.pof@gmail.com)

**PAKISTAN ORDNANCE FACTORIES****SCHEDULE TO TENDER NO. 05-LP-Capt Pur-50-Rescue Equipment-Ser Dated 18-12-2020****(1) FOR MATERIALS**

(1)	(2)	(3)	(4)	(5)		(6)
Item No	Description with spec etc	Unit	Qty	Price per unit F.O.R free delivery		Delivery date
				In figure	In words	
i.	Rescue Equipment as per enclosed specification.	Items	25			

(2) For Plant & Machinery:

Specifications: - Attached as [Annexure- A](#)

Specifications may also be downloaded from POF Website ([www.pof.gov.pk](http://www.pof.gov.pk)).

**(3) SPECIAL CONDITIONS:**

- i) The model should be out of latest production. Detailed specifications of quoted model should be available on manufacturer official website.
- ii) Major components of equipment must be from original source under OEM.
- iii) No reconditioned / used part / component will be acceptable. In such case, firm will be responsible to replace it with new one.
- iv) Population list of same make & model Rescue Equipment in Pakistan is essentially required with complete addresses of users including postal address, email address, telephone number & fax number etc.
- v) Compliance sheet (point-to-point comparison) to T.E is also essentially required.
- vi) Firm to guarantee the supply of spare parts up 10 years on as and when required basis.
- vii) POF reserves the right to reject any firm's offer on the basis of quality/ services issues
- viii) Breakdown of rates be given showing price and sales tax separately. If nothing is mentioned then offer shall be considered inclusive of GST.
- ix) In case of arbitration or court case it can only be filed in Rawalpindi / Islamabad.
- x) Only registered suppliers (with sales Tax & income tax deptt.) who are on Active Taxpayers List (ATL) of FBR are eligible to supply goods/services to government department.
- xi) If any registered supplier is not in ATL, his payment would be stopped till he files his mandatory returns and appears on ATL of FBR.

**(4) Undertaking**

Should our offer be accepted, we hereby undertake to supply the stores/render the services contracted on the basis of General Conditions of Contract embodied in Form POF-1281, and to deposit the performance bond within the prescribed time, failing which it will constitute a breach of contract, and POF will have the right to purchase the stores/services elsewhere at our risk and cost.

Place \_\_\_\_\_  
Date \_\_\_\_\_

Signature of the Tenderer \_\_\_\_\_  
Name \_\_\_\_\_  
Position \_\_\_\_\_  
Address \_\_\_\_\_  
Income Tax G.I.R No. \_\_\_\_\_  
Official stamp.

**TECHNICAL SPECIFICATIONS**  
**PROCUREMENT OF 25X RESCUE EQUIPMENT**

	<b>HYDRAULIC POWERED RESCUE EQUIPMENT / TOOLS SET</b>	
<b>Sr #</b>	<b>Description</b>	<b>Qty</b>
1	<p><b><u>HYDRAULIC SPREADER:</u></b></p> <ul style="list-style-type: none"> <li>• Spreading force in working range 80 to 660 kN (<math>\pm 10</math>kN)</li> <li>• Pulling force upto 93 kN</li> <li>• Pulling Width 540 mm or above</li> <li>• Squeezing force upto 129 kN</li> <li>• spreading width up to 660mm</li> <li>• Nominal Pressure 700 bar</li> </ul> <p><b><u>Accessories:</u></b></p> <ul style="list-style-type: none"> <li>• 01 x pair of spare spreader tips.</li> <li>• 02x Chain sets consisting of: 2 pcs. Chain lock, 2 pcs. pulling chain minimum 1.5 m long</li> </ul> <p>(Model: (Weber SP 84 CS or equivalent) with UK, USA, EU or Japanese origin)</p>	03 Sets
2	<p><b><u>HYDRAULIC CUTTER:</u></b></p> <p>Used for cutting rod/ metal. With cutting force upto 1050 kN, can cut round steel material of diameter upto 40 mm, blade opening upto 200mm with:</p> <ul style="list-style-type: none"> <li>• 01 x pair of spare Cutter Blades.</li> </ul> <p>Model: (Weber Cutter Type RSU 210 or equivalent) with UK, USA,EU or Japanese origin)</p>	03 Sets
3	<p><b><u>HYDRAULIC POWER UNIT:</u></b></p> <p>For connection of at least 2 tools, and operation at turbo mode for 1 tool with 4-stroke petrol engine minimum 5.0 H.P with press heighten set for hydraulic pressure increase from 700 bars to 1300 bars at nominal pressure of 700 bar. 2-Part holding device for 2 tools. A patented valve system allows both pressure lines to be combined. Power Unit should be compatible with all provided hydraulic equipment / brands etc with following recommended accessories:</p> <ul style="list-style-type: none"> <li>• Hose reels with 2 x 20 m high pressure extension hoses with carrying frame. Both reels can be operated separately.</li> <li>• 02x connection hoses (length 01x meter).</li> <li>• Hydraulic Oil (10 liters).</li> </ul> <p>Model: ( Webber V 70W SAH or equivalent) with UK, USA, EU or Japan origin)</p>	03 Sets
4	<p><b><u>HYDRAULIC RAM:</u></b></p> <p>Double acting telescopic hydraulic ram with closed length upto 480 mm, and Extended length: 1310 mm, Nominal pressure 700 bar, pushing force 1/2/3 stages 265kN/130kN/45kN with following recommended accessories.</p> <ol style="list-style-type: none"> <li>i. Chain set.</li> <li>ii. Adopter for chain set.</li> <li>iii. Different pushing heads with storage box.</li> </ol> <p>Model: (Weber RZT 3-1310 XL or equivalent) with UK, USA, EU or Japan origin.</p>	03 Sets

	<b><u>ELECTRICALLY OPERATED POWER TOOLS</u></b>	
5	<p><b><u>DEMOLITION / CHIPPING HAMMER:</u></b></p> <p>For chipping, digging and crushing. Electrically operated with AC voltage 220 ± 20 V input, frequency 50 Hz, Impact rate 1020-2040 BPM, impact energy upto 25 joules, power output upto 750 watt with following recommended accessories.</p> <ol style="list-style-type: none"> <li>i. 02x pointed chisel 9 Inch (230mm)</li> <li>ii. 04x Flat Chisel. Size : 20.8x 230mm (02 Nos) &amp; 20.8x 450mm (02 Nos)</li> <li>iii. Carrying case.</li> </ol> <p>(Model: Dewalt D-25901K, or equivalent) with UK, USA or EU Origin)</p>	04 Sets
6	<p><b><u>ANGLE GRINDER:</u></b></p> <p>Used for grinding / cutting of concrete and metals; heavy duty minimum 9" (230 mm) Grinder with guards ,electrically operated with AC voltage of 220± 20 V input frequency 50 Hz, motor power upto 4.7 hp, 6500 rpm without load, with following recommended accessories:</p> <ol style="list-style-type: none"> <li>i. 02x Blades for metal cutting. (230mm x 3mm);</li> <li>ii. 02x Blades for stone cutting. (230mm x 3mm);</li> <li>iii. 02x Clear safety goggles;</li> <li>iv. 02x Dust mask;</li> <li>v. 01x carrying case.</li> </ol> <p>(Model: Dewalt DWE 4559 or equivalent) with UK, USA, EU or Japan origin)</p>	03 Sets
7	<p><b><u>ROTARY HAMMER DRILL:</u></b></p> <p>For rapid drilling and chiseling, 220±20 Volts input; frequency 50 Hz, impact energy upto 14.2 joules with drilling capacity:</p> <p><b>Drilling Range</b></p> <ul style="list-style-type: none"> <li>• Max. drill diameter in concrete with twist drill: 12 -52 mm</li> <li>• Max. drill diameter in brickwork with core bit : 40 -150 mm</li> <li>• Max. drill diameter in concrete with break through drill bit: 45 - 80 mm</li> <li>• Recommended drilling range: 30 - 52 mm</li> <li>• Having hammer drilling and chiseling modes</li> </ul> <p>Having impact mechanism technology and high performance motor with all drilling range in concrete of medium hardness, concrete with SDS-MAX, with following recommended accessories:</p> <ul style="list-style-type: none"> <li>• 02 x Flat Chisel. Length: 400 mm</li> <li>• 02 x Pointed Chisel. Length: 400 mm</li> <li>• Hammer Drill Bits: 18 mm, 25 mm, 35 mm (02x each).</li> <li>• Additional handle</li> <li>• Lock button</li> <li>• Grease Tube</li> <li>• Carrying case</li> <li>• Machine cloth</li> </ul> <p>( BOSCH GBH 11 DE, or equivalent) with UK, USA, EU or Japan origin)</p>	03 Sets

8	<p><b><u>MULTI GAS DETECTOR:</u></b></p> <p>Diffusion type portable multi-gas detector allows detection of at least 05 combustible gases including LEL, O<sub>2</sub>, H<sub>2</sub>S, CO. Water &amp; Dust resistant casing, simple automatic calibration procedure, replaceable sensors, large illuminated digital LCD display, Optical red flashing LED and acoustical alarm when reaching low or high alarm, battery charger 220±20 Volt frequency 50 Hz. Working temperature range: -20 °C to 60 °C with following recommended accessories:</p> <ol style="list-style-type: none"> <li>i. Test and calibration set includes a 34 liters gas mix for calibration as well as pressure regulator and storage box.</li> <li>ii. Accessory kit consisting of hard transport case, 2 m long tubing, 25 cm long sample probe with replaceable filters, constant flow hand pump and tool kit.</li> </ol> <p>(Model: Rosenbauer QRAE II, Honey Well or equivalent) with UK, USA, EU or Japan origin</p>	04 Nos
9	<p><b><u>DISTANCE MEASURING DEVICE:</u></b></p> <p>Laser distance measurer with automatic area and volume calculations from min 300 ft distance, memory, large color Screen, touch pad control panel, with unit conversion option.</p> <p>(Model: DEWALT (DW0330S or equivalent) with UK, USA, EU or Japan origin)</p>	03 Nos
10	<p><b><u>THERMAL IMAGING CAMERA:</u></b></p> <p>Robust, self-contained camera at least 240x 320 mp and impact resistant, max startup time 5 sec with fully automatic operation to see through smoke, identify and rescue causalities and locate hot spots or seat and spread of fire . Capable to take picture and images which can be viewed and saved using software provided and can be downloaded to a suitable laptop and PC in several formats with following recommended accessories:</p> <ol style="list-style-type: none"> <li>i. 02x Side straps, 1 handle, 1 neck strap.</li> <li>ii. 02x Rechargeable battery packs.</li> <li>iii. 01x Battery charger.</li> <li>iv. 01x Remote Control.</li> <li>v. 01x USB connections lead for PC/laptop.</li> <li>vi. User manuals.</li> <li>vii. Soft Carry case.</li> <li>viii. End user software.</li> </ol> <p>(Model: ARGUS 4, K65 or equivalent) with UK, USA, EU or Japan origin)</p>	01 set
11	<p><b><u>TEMPERATURE MEASURING DEVICES:</u></b></p> <p>Temperature Measuring device with IR Temperature range: -58 to 3992°F (-50 to 2200°C), max response time 100±10ms with compatible probe, digital output, Data Output Software (DOS) with following standard accessories:</p> <ul style="list-style-type: none"> <li>• 01x Temperature probe for air gas and fluids;</li> <li>• 01x Temperature probe for semi solid materials and liquids;</li> <li>• 01x Extension cable;</li> <li>• 01x Protective cover;</li> </ul>	01 Set



	<ul style="list-style-type: none"> <li>• 01x Thermal conducting paste;</li> <li>• 01x Spare Battery;</li> <li>• 01x Transport case.</li> </ul> <p>(Model: Rosenbauer "Extech 42570 or equivalent with UK, USA or EU origin)</p>	
12	<p><b><u>VISUAL SEARCH CAM:</u></b></p> <p>To look and listen the video of collapsed structure and to perform search and rescue operation for hours with conventional technology, combination of miniature video camera with a sensitive microphone to provide highly portable, field reliable search device. With following standard accessories:</p> <ul style="list-style-type: none"> <li>• 01 x Spare battery pack with shoulder straps,</li> <li>• 01 x Spare Battery Charger (Input voltage 220±20 V, Frequency 50 Hz)</li> <li>• 01 x Durable, Waterproof and shock resistant cases.</li> <li>• Minimum 75 Foot (23 Meter) Camera Extension Cable.</li> <li>• 01 x SDHC Card (Mini 16GB)</li> <li>• 01 x Operation Manuals.</li> </ul> <p>(Model: SearchCam3000 victim location system or equivalent with UK, USA or EU origin.)</p>	01 Set
	<b><u>PETROL POWERED TOOLS</u></b>	
13	<p><b><u>PETROL POWER GENERATOR 5 KVA (4-STROKE ENGINE)</u></b></p> <p>Minimum output of 5500 Watt and output of 220±20Volts, Frequency 50 Hz, Tank capacity at least 20 Liters, simple handling of all is operating elements including maintenance free battery, electric starter. Front control panel, emergency stop switch, constant voltage, sound reduce exhaust, sound insulation, signal lamps with following recommended accessories:</p> <ol style="list-style-type: none"> <li>i. 02 x Spare spark plugs;</li> <li>ii. 01 x Petrol Can with 20 Liters capacity);</li> <li>iii. 01 x Funnel;</li> <li>iv. 01 x Tool Kit;</li> <li>v. 4-Stroke Engine Oil;</li> <li>vi. 01 x set of Wheel and feet bolts.</li> </ol> <p>( Honda EG 6500 CSX or equivalent) with UK, USA, Japan, EU, Turkey, Korea</p>	03 Sets
14	<p><b><u>CONCRETE CUTTING CHAIN SAW:</u></b></p> <p>Suitable cutter for cutting in concrete/ metals upto 15.7 Inch depth with Diamond chain saw with guide bar length 40cm, ventilation, forcible entry and rescue operations, power output mini 4.3 kW with following recommended accessories.</p> <ol style="list-style-type: none"> <li>i. 01 x cane of Chain lubricant (05 Liters);</li> <li>ii. 01 x Cane of Engine oil (05 Liters);</li> <li>iii. 02 x section cane (05 Liters). (for storage of petrol and oil);</li> <li>iv. 01 x Protective helmet;</li> <li>v. 02 x Multi spray (400 ml);</li> <li>vi. 01 x Flat textile hose with holder;</li> </ol>	03 Sets

	<ul style="list-style-type: none"> <li>vii. 01 x Chainsaw Case;</li> <li>viii. 01 x Spare Chain;</li> <li>ix. 02 x Spare Sprockets for Chain saw.</li> </ul> <p>(Model: STIHL GS 461 Concrete Cutter or equivalent) with UK, USA, EU or Japan origin</p>	
<p>15</p>	<p><b><u>ROTARY RESCUE SAW/ MULTI PURPOSE SAW:</u></b></p> <p>Cut-off machine, cuts through steel, cast material, brass, aluminum, clay; cement pipes, concrete etc. along with Disc for metal cutting, Disc for stone, concrete, aluminum, non ferrous metal cutting. Power 4500-4800 Watt/6.0-6.5 hp, no load RPM 4700-5400, Cutting depth upto 12-14 Inches, 02-Stroke petrol engine.</p> <p>With following recommended accessories:</p> <ul style="list-style-type: none"> <li>i. 01x Power Cutters Transport Box.</li> <li>ii. Blades Abrasive for cutting: <ul style="list-style-type: none"> <li>• 02 x Stone/Concrete/Cast iron. (300mm /12” &amp; 350mm/14” each)</li> <li>• 02 x Rails/Construction steel/Steel. (300mm /12” &amp; 350mm/14” each)</li> </ul> </li> <li>iii. Blades Rescue Special for cutting: <ul style="list-style-type: none"> <li>• 02x Metal/Steel Sheets/Aluminum/Wood/Roofing tiles (300mm /12” &amp; 350mm/14” each)</li> </ul> </li> <li>iv. Blades diamond laser welded for cutting: <ul style="list-style-type: none"> <li>• 02 x hard concrete/concrete tubes/paving stone. (300mm /12” &amp; 350mm/14” each)</li> </ul> </li> </ul> <p>(Model: Husqvarna K 970 or equivalent) with UK, USA, EU or Japan origin</p>	<p>03 Sets</p>
<p>16</p>	<p><b><u>FIRE RESCUE SAW</u></b></p> <p>Used for universal cutting for wide range of materials and forcible entry, rescue operations, etc; single cylinder, 2-Stroke, petrol engine, Engine speed Min12500 rpm and output upto 5.06 HP, cutting depth upto 20 Inches along with recommended accessories:</p> <ul style="list-style-type: none"> <li>• 02x Saw Blades including 01 spare blade</li> <li>• 01x Spare Chain etc</li> </ul> <p>(Brand: Fire Rescue Saw Model” CE 2165-RS/D8 or equivalent) with UK, USA, EU or Japan origin</p>	<p>03 Sets</p>

17	<p><b><u>BRUSH CUTTER:</u></b></p> <p>Brush Cutter with 4-stroke engine and at least 31 cc displacement, blades with cutting width of at least 450 mm for nylon trimmer and 255 mm blades, for cutting wild bushes and clearance of approach ways toward site with following recommended accessories:</p> <ul style="list-style-type: none"> <li>• 01x Blade Guard;</li> <li>• 01x Nylon cutting head;</li> <li>• 01x bundle of Nylon Dore for grass cutting;</li> <li>• 01x 3-tooth cutting blade;</li> <li>• 01x 8-tooth cutting blade</li> <li>• 02x spare spark plugs</li> <li>• 01x Petrol bottle</li> <li>• 01x Harness;</li> <li>• 02x Goggles;</li> <li>• 02 pairs of gloves</li> <li>• 02x ear defenders</li> <li>• 01x Tool kit;</li> <li>• 01x User manual.</li> </ul> <p>(Brand: Hyundai HYBCF31, or Equivalent)</p>	05 Nos
18	<p><b><u>PORTABLE FIRE PUMP:</u></b></p> <p>With 4-stroke, 2 cylinders petrol engine. Single stage centrifugal pump made of light alloy, corrosion resistant with manual piston priming pump for a suction lift of upto 7.5 m. Pump performance: Min 750 ltr/min at 10 bar or 1000 ltr/min at 8 bar. 02x delivery outlets with instantaneous coupling (Dia. 2 ¼”), fuel tank minimum 20 ltrs, power output 26 kW (35 HP) and 3600 rpm with following recommended accessories:</p> <ol style="list-style-type: none"> <li>i. Electric Starter and 12 Volt batteries (30 A/h).</li> <li>ii. 05x Suction Hoses. (dia 5” BS).</li> <li>iii. Low level suction strainer (dia 5” BS).</li> <li>iv. Coupling spanners (steel, hot dip galvanized.)</li> </ol> <p>(Model: Rosenbauer-BEAVER, Godiva or equivalent with UK, USA or EU origin)</p>	01 No.
19	<p><b><u>CABLE WINCH:</u></b></p> <p>To operate in difficult terrain, driven by at least 3.5 hp 02 stroke petrol engine, pulling force min 01 ton in direct operation, or 03 tons when using guide pulleys with following recommended accessories:</p> <ul style="list-style-type: none"> <li>• Special steel wire cable min 80m long and 6mm diameter;</li> <li>• Two guide pulleys (min 02 tons capacity each);</li> <li>• Attachment chain, for fixing the winch to an anchor point;</li> <li>• Load attachment cable (min 3.5 m long);</li> <li>• Tree protection belt, (min 02 m long).</li> </ul> <p>(Model: Rosenbauer Universal Cable winch “KBF-1000” or equivalent with UK, USA, EU or Japan origin.)</p>	01 Set

	<b><u>PNEUMATIC POWERED TOOLS</u></b>	
20	<p><b><u>LIFTING BAGS:</u></b></p> <p>Set of 11-14 lifting bags having capacity/Lifting power upto 95 Ton, min Insertion height (un inflated) 2.5 cm with interlocking for using two bags with following recommended accessories.</p> <ul style="list-style-type: none"> <li>• Working air cart with cylinders;</li> <li>• Pneumatic component / Adopter Kit;</li> <li>• Manual Foot pump;</li> <li>• Inline relief valve;</li> <li>• Single safety relief and control valve with bypass;</li> <li>• Dual safety relief and control valve;</li> <li>• Dual deadman Controller;</li> <li>• Pressure regulator, piston type;</li> <li>• Air Hoses of different lengths of at least 16, 32 and 50 feet).</li> </ul> <p>(Model: Vetter S-Tec (12Bar/174 PSI), SAVATECH or equivalent with UK, USA, EU or Japan origin)</p>	03 Sets
21	<p><b><u>SCBA (SELF CONTAINED BREATHING APPARATUS):</u></b></p> <p>SCBA with full-face mask and one composite air cylinder 9 Liters /300 Bar, minimum 50 minutes nominal duration with built in communication system in mouth piece to connect with Walkie Talkie sets for wireless communication interface. Package contains following recommended accessories:</p> <ol style="list-style-type: none"> <li>i. Tool Kit;</li> <li>ii. Service kit for 06 years;</li> <li>iii. Carrying case.</li> </ol> <p>(Model: Drager FPS-COM 5000, Scott Sigma 02 with AV3000 mouth piece or equivalent) with UK, USA, EU or Japan origin).</p>	18 Sets
22	<p><b><u>HYDROSTATIC TESTING MACHINE</u></b></p> <p>Electro-Pneumatic automatic (with manual options) water type hydrostatic testing / requalification of cylinders equipment suitable for test of SCBA cylinders, CO<sub>2</sub> cylinders, and fire extinguishers (AFFF, DCP etc) and hose pipes with suitable adopters with hydrostatic test pressure upto 350 bar, Air filter, pressure regulator, pressure gauge and check valve; 100mm diameter panel mounted outlet pressure gauge; Pressure release valve with return back to tank; Inlet fluid strainer; All interconnecting pipe-work and fittings; Stainless steel frame and internal pipe as standard; Fluid reservoir; High pressure outlet and high pressure bleed-off valves available; Stainless steel construction as standard with recommended accessories:</p> <ul style="list-style-type: none"> <li>• Reels for easy move;</li> <li>• Needle valve for high pressure outlet control;</li> <li>• High pressure hose;</li> <li>• 01x Spare gauge</li> </ul>	01 Set

	<ul style="list-style-type: none"> <li>• On board chart recorder;</li> <li>• Data acquisition station- pressure and time curve;</li> <li>• Accumulator and flow controller;</li> <li>• Variable speed/ output flow rate control;</li> <li>• Multi-stages boosting for high flow rate;</li> <li>• Adopters for cylinders and hose pipes.</li> </ul>	
23	<p><b><u>RESCUE JUMPING CUSHION:</u></b></p> <p>Inflatable rescue cushion with a total jumping surface area of min 46 m<sup>2</sup> suitable for Jumps from a height of 30 m. Made of special spread Polyester PVC fabric, coated on both sides with fire retardants Class-2. Dimensions of the inflated cushion min 6 x 7.6 m, height: 2.75 m with following accessories:</p> <ul style="list-style-type: none"> <li>• 02x portable electric fans, 220±20 V 50 Hz single-Phase current, min 1.1 Watt;</li> <li>• Air output per fan: min 10,000 m<sup>3</sup>/h;</li> <li>• Deployment of the whole system, including inflation time: less than 5 minutes when using 3 operators;</li> <li>• 2x cable drums min 30 m each.</li> <li>• Carrying bag.</li> </ul> <p>(Model: Rosenbauer Rescue Cushion Set Model “ Life JUMP 100 A” or equivalent with UK, USA or EU origin)</p>	01 Set
24	<p><b><u>PORTABLE SCBA COMPRESSOR:</u></b></p> <p>Suitable for filling BA Cylinders, along with Electric power motor (Single-Phase), input 220±20Volts, frequency 50 Hz minimum 3 kW, 2800 rpm, with 2-4 outlets for connected cylinders, delivery rate 100 ltr/ min at minimum 300 bar fitted with safety devices / automatic cut-off switches / pressure gauges with following recommended accessories:</p> <ol style="list-style-type: none"> <li>02x Compressor Oil “SHELL CORENA”.</li> <li>02x Spare Filter cartridges.</li> <li>Mini 01m filling hose</li> </ol> <p>(Model: Comptrade CTC-100E1 or equivalent)Country of Origin: UK, USA, EU or Japan).</p>	02 Sets
25	<p><b><u>RESCUE RING</u></b></p> <p>For marine use as a rescue toss for “man overboard’ Minimum diameters outside: 50 cm, inside diameter: 30 cm, min145 N flotations, color White/Red. With floating line diameter minimum 12 mm and length; 30m with light alloy Carabiner hook at one end.</p> <p>(Model: SOLAS 96/ Lifebouy or equivalent)Country of Origin: UK, USA, EU or Japan</p>	08 Nos

### **TERMS AND CONDITIONS:**

#### 1. **SPARE SUPPORT:**

Supplier will provide guarantee regarding availability / provisioning of spare parts upto 10 years period on as and when required basis.

2. **TRAINING:**

The supplier will provide operation and maintenance training of supplied equipment to POF officials for 01 week at POF Wah. The supplier will bear all the expenses of their trainer like boarding / lodging, transportation etc.

3. **WARRANTY / GUARANTEE:**

Supplier will provide 02-year Warranty / Guarantee for satisfactory operation of Equipment. Warranty / Guarantee will start from the date of successful functional trial. In case of any breakdown during Warranty / Guarantee period, firm will arrange to replace the defective parts with new one free of cost. Repair / maintenance period (in case of breakdown during warranty / guarantee) will be added in Warranty / Guarantee period.

4. **DOCUMENTATION:**

- i. The supplier will provide compatibility certificates of Hydraulic tools and equipment's & certificate of conformance to NFPA / EN standards in original regarding rescue equipment / accessories at the time of preliminary inspection.
- ii. The supplier will provide technical literature / brochures, manuals, schematic drawings, repair and maintenance manuals etc against each set.

5. **PRELIMINARY INSPECTION:**

Preliminary inspection will be carried out by 04 x POF – officials at supplier's premises.

6. **ASSEMBLY & COMMISSIONING:**

The supplier is bound to complete assembly / commissioning and successful operation of all Rescue Equipment at POF – Wah,

7. **FINAL ACCEPTANCE TEST:**

Final Acceptance test will be carried out after the receipt of complete store at POF Wah.

8. **HYDRAULIC POWERED TOOLS.**

Hydraulic Powered Tools at Sr # 1- 4 should be provided as a single package by the same brand/ supplier for better compatibility. Also, the commercial offer should be given for the complete set of hydraulic power tools and Hydraulic power unit.