



**Dated` : 19 -05-2017**

**BIDDING DOCUMENT FOR THE PURCHASE OF RESCUE  
EQUIPMENT**

**(a) Letter of invitation for Bids**

Sealed Tenders are invited under the Balochistan Public Procurement Rules (BPPR) - 2014 by the Provincial Disaster Management Authority from “Eligible Bidders” (as detailed below),  
Eligibility Criteria for Bidders:

<b>S. No.</b>	<b>Bidders Eligibility Factor</b>	<b>Requirement</b>	<b>Document Required</b>
1	Registration with Income Tax	Mandatory	Attach Copy of NTN
2	Registration with Sales-Tax	Mandatory	Attach Copy GST registration Certificate
3	Relevant Experience	<b>For Self-experienced / Old Firms:</b> 03 No. of successfully completed similar assignments in past 03 year/s	Attach copies of Supply Orders with relevant completion certificate or Inspection Report
		<b>For In-experienced / New Firms:</b> MoU / joint adventure or Agreement with a Firm fulfilling the above mentioned criteria	Attach signed & stamped copy of original Agreement duly attested by Notary Public
4	Financial Capacity	Firm should have financial capacity of at least the estimated cost amount of respective package/packages. Company's Bank Account certifying	Attach supporting Bank Certificate of Company's Bank Account
5	Agreement with all the terms & conditions	Must unconditionally agree with all the instructions, terms & conditions specified in the bidding documents & contract agreement	Signature & company seal at the end of bidding document.
6	Authorization	Only manufacturer or authorized dealer can contest the bidding	Firm certificate or Authorization letter
7	Delivery time	Must agree to serve the Contract within the stipulated time period	Completion time must be clearly specified in the Technical Bid

## b) Bill of Quantities

Package	Item Name	Tender Quantity
1	AMBULANCE WITH FABRICATION & EQUIPMENTS	07
2	FIRE FIGHTING TRUCK.	02
3	WIRELESS COMMUNICATIONS	Quantity given in item wise specification
4	FIRE FIGHTING MOTOR CYCLES	03
5	SECURITY SYSTEM , TELEPHONE EXCHANGE, CCTV CAMERAS ETC	Quantity given in item wise specification
6	PORTABLE SATELLITE SYSTEM, CALL MONITORING SOFTWARE, HARDWARE.	04
7	SCBA APPARATUS FILLING WITH OXYGEN FILLING UNITS	04
8	RESCUE VEHICLE	01

## c) Item wise Specifications:-

### 1. AMBULANCE WITH FABRICATION & EQUIPMENTS

<p><b>Model, Class &amp; Engine Type</b></p> <p>Latest current production, right hand drive, power steering with four cylinders, four stroke petrol/ diesel engine 2000 to 3000 CC with ABS brake system, having originally fitted dual Air Conditioner and dual heater. Air intake/ exhaust should be above the ground approximately 3 feet high in order to avoid the water entering in the air filter hosing/pipes, the air filter hosing should be properly secured and guarded to avoid any breakage. Two front, one side and one rear door open-able from inside &amp; outside and radial tyres of minimum 195 width.</p> <p>The following warranties are required by the vehicle supplier/ manufacturer: Minimum warranty/free maintenance including all lubricants, filters and parts up to 50000 Km. In this regard company shall arrange authorized workshops at least at divisional HQ level or Mobile Workshop.</p>
<p><b>Additional Suspension:</b> There should be an additional suspension especially for ambulances to reduce skid and jerks.</p>
<p><b>PATIENT COMPARTMENT, EQUIPMENT AND ACCESSORIES</b></p>
<p><b>Patient Compartment Size</b></p> <p>Minimum patient cabin/ compartment size should be: 10' x 5' x 5' ft (L x W x H).</p>
<p><b>Standard Accessories</b></p> <p>Front seat belts, tool kit, spare wheel, vehicle manuals, standard instruments and accessories.</p>
<p><b>Window Glasses</b></p> <p>Patient compartment, 2/3 of glass with high quality opaque imported vinyl sticker of color approved by the Service.</p>
<p><b>Floor</b></p> <p>Floor should not be punctured for installations. Special molded F/G flooring base 5-8mm thick. The floor would be carpeted with one piece, non-slip, non-staining, water proof, fire &amp; chemical resistant, anti-bacterial &amp; anti-fungal and washable special vinyl sheet safety flooring, 2-3 mm thick (imported). All sides and gaps of the cabinetry</p>

should be sealed making it completely water tight. Special hard points must be created for installation of chair, cabinet and bench etc. S/S 16SWG sheet on the floor under the stretcher area.
<b>Partition Wall</b>
Partition wall between the driver and patient compartment would be made of FG/ ABS sheet fixed with steel brackets to side walls. A small window would be given in between the driver and patient compartment with a built-in place with glass for communication.
<b>Ceiling</b>
Made of ABS/ FG material with internal LED lights, one long grip handle along the length of ceiling made of SS/ Aluminum properly reinforced and option for holding two IV hooks with anti-swing belts in ceiling or side panel.
<b>Side Utility Vertical Panel</b>
Made of ABS/ FG molded material on the right side. Having two parts, one dedicated O2 system having two outlets, O2 alarm system, O2 cylinder changeover system and one pressure gauge for line pressure. 2 <sup>nd</sup> part of the vertical panel is dedicated for electrical and central suction system, having all Switches and sockets for 12 V & 220 V, having 220 V inverter at the back and central suction pump system with control and suction gauge.
<b>Electrical Wiring</b>
<b>Wireless Communication System Wiring</b>
<b>Three to Four Persons Bench</b>
<b>Oxygen Supply System</b>
Brand new imported oxygen cylinders of 10 liter capacity duly tested, certified and filled by Government approved company with Low oxygen alarm, changeover system and oxygen supply hose made of resilient, reinforced plastics to retain its flexibility in cold & un-crackable in heat up to 65°C with brass sockets and connectors. The pressure regulator of cylinders would be imported "Panel A". Oxygen would be delivered through two outlets on the panel and one outlet over the attendant bench (for additional patient) with flow meters and face masks, one pressure gauge should be installed on the panel for monitoring line pressure.
<b>One Person Crew Seat</b>
<b>Side Cabinet for AED, Monitor and Suction</b>
<b>Overhead Cabinet</b>
<b>Warming Cabinet for I/V Fluids</b>
<b>Central Suction System</b>
<b>Medical Cabinet</b>
<b>GENERAL MEDICAL EQUIPMENT</b>
<b>Burn Kit in Box</b>
<b>Bleeding Kit Packed in Kidney Tray</b>
<b>Amputation Kit in Stainless Steel Tray</b>
<b>Foldable Stair Stretcher (Certifications ISO9001,CE,FDA) 01 No.</b>
<b>Trauma First Aid Bag</b>
<b>ADDITIONAL ACCESSORIES</b>
Two personnel EMT kits attachable with the belt having 01 scissor, 01 forceps, 01 pen light, 01 face mask, 01 CPR mask and 01 tourniquet. Plastic urinals for male and female.01 each. One Multi-purpose tools made of hardened steel, light weight saw, can opener/Grasper, bolt opener, ultra sharp trimmer knife, oxygen bottle opener, angle cutter and scraper.
<b>GENERAL ITEMS</b>
Caution sign tape roll (03)
Collapsible Safety cones with reflectors.
Triage ribbons contained in a waist pouch with belt.
Disposable Dead Body Bags (10 nos)
<b>Fire Extinguishers</b>
<b>Outside Design</b>

<b>External &amp; Internal lights &amp; Warning Devices</b>
Special spoilers for front and rear roof top to accommodate customized designed emergency lighting and PA system with siren/ hooter system of at least 150 watt output. All external and internal lighting should be LED's. Two search lights at the back and two on both sides and adequate internal LED lighting for handling the patients at night.
<b>MEDICAL EQUIPMENT</b>
Self-Loading Stretcher with Spine Board (Panel A) The stretcher should have special place under the main bed to accommodate the spine board. (Panel A - CE certified) Portable Pulse Oxy-meter + NIBP Monitor with soft finger probe, printer and USB port (FDA/ CE certified) AED Defibrillator (Automatic external defibrillation with CPR feedback). The AED must give audio and visual prompts like 'Push Harder' and 'Good Compressions' to guide during CPR. (FDA/ CE certified) Portable Transport Ventilator with voice prompt CPR system (Panel A) Airway Management Bag

## **2. FIRE FIGHTING TRUCK.**

<b>Parts</b>	<b>Specifications</b>
<b>CHASSIS</b>	<b>1. GVW 18000 Kg AND 8000 GVW</b>
<b>Fabrication</b>	<ul style="list-style-type: none"> <li>• Single cabin will be converted into double cabin with single common roof and inconformity with the original design of the cabin.</li> <li>• Rear compartment would have 2 doors and 04 persons SCBA's seats with safety belts and additional hooks for hanging fire turn-out gear.</li> <li>• Side lockers or suitable storage for standard accessories (at least 10 hoses, nozzles, torches, lines etc.) would be provided with proper marking.</li> <li>• Rear cabin's fabrication will be done with skeleton made of complete Profile of Aluminum alloy channels which are internationally recommended for Fire &amp; Rescue Vehicles, sizes 60mm (W) x 30 mm (H) and 30mm (W) or better, articulated with each other by special bolts. All open faces to be covered by painted Aluminum sheet.</li> <li>• This skeleton structure will be fixed on the bed of vehicle made of strong M/S Channels and angle iron.</li> <li>• Tool Boxes would also be made of same profile and inner lining will be of Aluminum Alloy Checkered sheet with doors of boxes made of painted aluminum sheet having S/S lock (imported) for each tool box.</li> <li>• The roof and walking platforms would be covered with aluminum checkered plates of min 16-18 gauge thicknesses.</li> <li>• Ladder/non-slippery steps for access to roof and necessary protection plates and hand rails should be provided as approved by the Service.</li> <li>• A towing hook at the front and rear would be provided</li> <li>• The pump should be accessible for maintenance. Spare wheel to be suitably fitted so that water from pump compartment should not drop on it.</li> <li>• Suitable storage tunnels to accommodate 2 suction hoses would be provided.</li> <li>• Suitable gantry system made of S/S for 30 ft two sections Extension Aluminum ladder.</li> <li>• All fabrication would be user friendly and with no sharp edges.</li> <li>• Front and rear reinforced bumpers.</li> <li>• Compatible 220 Volt Static battery chargers with charging point.</li> </ul>
<b>WATER TANK</b>	
<b>Capacity</b>	Minimum 7000 and 4000 Liters capacity tanks.
<b>Material</b>	<b>Stainless Steel (non-magnetic)</b>
<b>Thickness</b>	Minimum 4mm
<b>Suspension</b>	Torsion free mounted on heavy duty neoprene bearing pads.
<b>Baffle</b>	Suitable numbers of removable baffle walls.

<b>Plates</b>	
<b>Level indicator</b>	Glass tube visual level indicator
<b>Mounting</b>	Flexibly at low level to achieve low center of gravity
<b>FOAM TANK</b>	
<b>Capacity</b>	500 and 300 Liters
<b>Material.</b>	<b>Stainless Steel</b> suitable for all commercial synthetic and protein foam compounds, easily accessible for filling and maintenance.
<b>Level Indicator</b>	Glass tube visual level indicator
<b>Fitting</b>	All piping would be of stainless steel and brass valves.
<b>FIRE PUMP</b>	
<b>Type</b>	PTO driven centrifugal fire pump ( <b>Panel A</b> ) and Engine Driven Pumps
<b>Delivery</b>	3000 liters / Min and 1600 L/Min. at 10 Bar
<b>Pump Shaft</b>	S/S
<b>Priming System</b>	Built-in Priming
<b>Digital Display System Pump Controls</b>	The gauges would be of latest digital display system with knob based control ( <b>Panel A</b> ) with easy reading of all necessary information and direct handling by Fire Rescuers. This perfect pump control system displays and gives the self diagnostic capability, programmable, sensors for intake and discharge, full engine status display including CHECK and STOP engine indicators and retains fault warning history.
<b>FOAM PROPORTIONING SYSTEM</b>	
<b>Material</b>	Gun metal/ Stainless Steel
<b>Admixing Ratio</b>	1,3 & 6%
<b>Perfect Foam Control System</b>	Latest digital display foam control system ( <b>Panel A</b> ) with features of foam discharge control, water flow to valve position chart, wide operating range, adjustable Foam up and down quickly for all situations with proven reliable for high flow operations.
<b>Location</b>	Around the pump
<b>Water/Foam</b>	<ul style="list-style-type: none"> <li>• S.S. water/foam monitor fitted on the top of vehicle with minimum discharge of 1400-1800 lpm and throw of 150ft</li> <li>• Rotation 360 degree</li> <li>• Elevation +70 – 15 degree</li> <li>• Adjustable nozzle 1100-1600 lpm with range of 55 m at 8-10 bar (imported).</li> <li>• Monitor branches would be interchangeable with instantaneous coupling.</li> </ul>
<b>UHPS</b>	<b>Ultra High Pressure System</b> with 25 to 26 LPM delivery, 10HP gasoline engine, 3200 PSI rated pressure and 3800 PSI Max. pressure, pressure gun, 25ft hose
<b>Hose Reel with Nozzle (Water &amp; AFFF)</b>	One 3/4" x 100 ft high pressure rubber hose reel of 50-230 lpm (imported) with range of 35 meters located at the rear of the vehicle with pistol grip hand controlled nozzle.

### **3. Wireless Communication with Repeaters and other equipments.**

<b>.No.</b>	<b>Description</b>	<b>Qty</b>
01	MPD 2505 G VHF Digital walkie talkie set with following Accessories . <ul style="list-style-type: none"> <li>• Antenna</li> <li>• Battery 2000 m Ah Li-ion</li> <li>• Rapid charger with adopter</li> <li>• Belt Clip</li> <li>• Leather Strap</li> <li>• Operating Manual</li> </ul>	12 sets
02	MPD 2505 VHF Digital Base set with following Accessories . <ul style="list-style-type: none"> <li>• Antenna</li> <li>• DC Power Cord</li> <li>• Fuse</li> <li>• RG-213 Cable 120 ft. with connectors at both ends</li> <li>• Fist Mic</li> <li>• Power Supply</li> <li>• Installation Kit</li> <li>• Operating Manual</li> </ul>	23
	Additional Accessories	
	<ul style="list-style-type: none"> <li>• Antenna Tower</li> </ul>	04
03	UPS (4000 Watt) with Batteries and other equipment. <ul style="list-style-type: none"> <li>• 4 batteries of each 200 Amperes</li> </ul>	04

### **4. Fire Fighting Motor Cycles**

<b>S.No</b>	<b>Specification</b>
1.	250 CC with air foam, compressed system, water tank, hose reel

### **5. SECURITY SYSTEM, TELEPHONE EXCHANGE, CCTV CAMERAS ETC**

<b>S.No</b>	<b>Item</b>	<b>Specification</b>	<b>Quantity</b>
<u>1</u>	<b>Telephone Exchange</b>	08 co lines ( Extendable ) in Future 16 Extensions ( Extendable ) in Future , (1) Conference ,,on 3 lines, (2) Call transfer during the call on any Extension (3) Restrictions on outgoing call and incoming call in any extensions (4) Pickup any extension line to any extension (5) Extensions and Co lines Extendable in future and many more	04
<u>2</u>	<b>Security System</b>	(NVR for 8 Cameras per station (4 Static IP Camera, 4 PTZ Camera) Up to 4/8/16 cameras with 1080p realtime preview > H.264 dual-stream video compression > Full channel @960H realtime recording > HDMI / VGA / TV simultaneous video output > 4 channel synchronous realtime playback, GRID interface & smart	04 Stations

		<p>search</p> <ul style="list-style-type: none"> <li>&gt; 3D intelligent positioning with Dahua PTZ dome camera</li> <li>&gt; Support 2 SATA HDD up to 8TB, 2 USB2.0</li> <li>&gt; Multiple network monitoring: Web viewer, CMS(DSS/PSS) &amp; DMSS</li> </ul> <p><b>(1)Static IP Camera</b></p> <ul style="list-style-type: none"> <li>&gt;1/3” 4Megapixel progressive scan CMOS</li> <li>&gt;Support H.264&amp;MJPEG dual codec</li> <li>&gt;Max 20fps@4M(2688×1520) &amp; 25/30fps@3M(2304×1296)</li> <li>&gt;Smart Detection supported</li> <li>&gt;WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC</li> <li>&gt;Multiple network monitoring: Web viewer, CMS(DSS/PSS) &amp; DMSS</li> <li>&gt;6mm fixed lens</li> <li>&gt;1/1 Alarm in/out, 1/1 audio in/out(only for -AS)</li> <li>&gt;Max. IR LEDs Length 80m</li> <li>&gt;Micro SD memory , IP67, PoE</li> </ul> <p><b>(2) PTZ Camera</b></p> <ul style="list-style-type: none"> <li>&gt;1/1.9” 2Megapixel CMOS</li> <li>&gt; Powerful 30x optical zoom</li> <li>&gt; Starlight technology</li> <li>&gt; Max. 25/30fps@1080P and 50/60fps@720P</li> <li>&gt; Support Hi-PoE</li> <li>&gt; IR distance up to 200 m</li> </ul> <p>&gt; IP67 , IK10</p>	
<b>03</b>	Walk Through Gates,	(Branded)	04
<b>04</b>	Metal Detector	(Branded)	04

**6. PORTABLE SATELLITE SYSTEM, CALL MONITORING SYSTEM SOFTWARE & HARD WARE**

<b>S.No</b>	<b>Item</b>	<b>Specification</b>	<b>Quantity</b>
<b>1.</b>	Portable Satellite System	<p>Main Case Specifications External Dimensions .....155.6 x 55.24 x 40.64 cm</p> <p>Weight 0.98m dish (loaded) .....67.59 kg</p> <p>Weight 1.2m dish (loaded) .....72.57 kg</p> <p><b>Dish Rotation</b></p> <p>Azimuth .....410°</p> <p>Elevation .....165°</p> <p>Polarization.....+-8</p> <p><b>Dish and Bag Specifications</b></p> <p>Reflector Types .....0.98 or 1.2 sq m effective are</p> <p>a External Dimensions (0.98m) .....99.06 x 10.16 cm depth</p> <p>External Dimensions (1.2m) .....122 x 12.7 cm depth</p> <p>Weight (0.98m) .....11.79 kg</p> <p>Weight (1.2m) .....15.88 kg</p> <p><b>RF Interface</b></p> <p>Transmit Power .....6 watts</p> <p>BUC Receive Frequency .....Range 950-1450 mhz</p> <p><b>Rackmount Case (6U) – Same for both 0.98m &amp; 1.2m Systems</b></p> <p>External Dimensions .....55.24 x 62.86 x 35.56 cm</p> <p>Weight .....14.97 kg</p> <p>Components .....Dish Controller, iDirect Router,</p>	01

		<p>Power Conditioner Cable Run .....7.6 m watertight. 15.24 m &amp; 30.48 m runs available</p> <p><b>Power Requirements</b> Dish Controller &amp; Dish Motors (Via 120 VAC) .....15 watts (switch off after pointing) iDirect Modem (via AC120V to DC 24V @ 5 Amp) ....75 watt</p> <p><b>TS2 ACU (Antenna Control Unit)</b> One button operation with Dual Matrix Service for the ultimate in redundant satellite communications.</p> <p><b>Satellite Network - iDirect (Flyaway may be used with any Ku-Band provider &amp; satellite router)</b> Satellite Router (optional) .....iDirect Evolution X5 Series Router Max Download .....5000 Kbps with 6 Watt BUC Max Upload .....2000 Kbps with 6 Watt BUC Public (Static) IP Address .....Included DHCP .....Yes. Wireless or 4 port Ethernet NAT .....Supported by included router r Wireless Security .....WPA (TKIP) WPA2 (AES) + WEP 64 and 128bit Firewall .....Supported by included router Port Mapping &amp; Port Triggers .....Supported by included router QoS, ToS, MAC Address Clone, RIP v1 RIP v2 .....Supported by included router Networkable clients machines .....Unlimited Wireless .....Cisco Linksys wireless router "G"</p>	
<u>2.</u>	Call monitoring system software and hardware	<ul style="list-style-type: none"> <li>• See live call "To" And "From" numbers</li> <li>• Send call via Email in WMA OR WAV format</li> <li>• Add multiple bookmarks at specific point in time during the call</li> <li>• Flag call with different rating levels</li> <li>• Silence on Demand</li> <li>• Start / Stop Recording on Demand</li> <li>• Rewind real time call to listen any recorded portion of a call</li> <li>• See network load while call is playing</li> <li>• Continues playback on any call</li> <li>• Multi-Channel Live Call Monitoring</li> <li>• Security on each channel with user rights management module</li> <li>• Mark any live call as an emergency/important call</li> <li>• See channels by users/group/Extension/Channel names</li> </ul>	01

## 7. SCBA APPARATUS, FILLING, OXYGEN FILLING UNITS

S.No	Item	Specifications
<u>1.</u>	SCBA Apparatus	<p>Self Contained Breathing Apparatus for Use in Rescue activities and oxygen filling units for SCBA and Oxygen Cylinders.</p> <p>I. Oxygen bank 350*4 =1400 cft</p> <p>II. Manifold for 4 cylinders.</p> <p>III. Cooling condenser.</p> <p>IV. Pneumatic operated oxygen filling Booster.</p>



		<p>V. System pressure 3000-3500 psi.  VI. Refilling pressure 2500 -3000 psi.  VII. Pressure gauges. 3500 psi  VIII. 4 Safety valves (CE Certified).  IX. Emergency shutdown system.  X. Main body mild steel.  XI. Air compressor 10hp.  XII. Safety grills size (length 8ft, width 8ft, height 8ft).  XIII. Marking and safety protecting should be provided, all related parts should be CE certified.</p>
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## 8. RESCUE VEHICLE

<b>CHASSIS/ VEHICLE</b>
8000 GVW 4x2
<b>FABRICATION OF REAR CABIN</b>
<ul style="list-style-type: none"> <li>Rear cabin's fabrication will be done with skeleton made of complete Profile of Aluminum alloy channels which are internationally recommended for Fire &amp; Rescue Vehicles, sizes 60mm (W) x 30 mm (H) and 30mm (W) or better, articulated with each other by special bolts. All open faces to be covered by painted Aluminum sheet.</li> <li>This skeleton structure will be fixed on the bed of vehicle made of strong M/S Channels and angle iron.</li> <li>Tool Boxes would also be made of same profile and inner lining will be of Aluminum Alloy Checkered sheet with doors of boxes made of painted aluminum sheet having S/S lock (imported) for each tool box.</li> <li>Both sides having 3 to 4 aluminum alloy anodized shutters spring loaded on one side with central lock system or individual lock with one common key on each side.</li> <li>Fixed ladder on side or behind made of S/S square pipe</li> <li>5 ton puling capacity electrical 24V/ 12V winch with corded remote and control box would be installed in the front with specially designed platform strong enough to with stand 5 ton pulling load or to be installed in the centre of the rear body with boom extending at back (whichever is approved by the service).</li> <li>1 special fitting stand for F/G extendable ladder with lock and quick release mechanism on roof top.</li> <li>Provision for storage of all under mentioned equipment with proper marking / label and or storage provision for self contained breathing apparatus with suitable fixing,  <b>Note</b> to be stored under the main bedding area as showing in drawing</li> <li>Floor would be of 16 gauge S/S sheet.</li> </ul>
<b>ELECTRICAL SYSTEM</b>
<ul style="list-style-type: none"> <li>All emergency lightings, internal and external lighting with PA system would be operated on 24V.</li> <li>All lights mentioned above would be LED lights.</li> <li>All electrical wiring would be of wiring harness system with no joint and taping having all connector system and having a separate fuse box for each operation. All wires would be of 10mm, 8 mm and 6 mm size as per load requirement and would be of fire retardant material.</li> <li>Special cutout / charging system to be installed for changing of generator battery.</li> <li>One control panel for 24V in driver cabin</li> <li>4 x halogen / led search lights 24V (2 at front and 2 at back)</li> <li>Provision for charger of wireless hand set.</li> </ul>
<b>WARNING AND BAR LIGHTS WITH PA SYSTEM</b>
<ul style="list-style-type: none"> <li>Main LED warning light in red and blue colour installed on special spoiler on roof top of front cabin.</li> <li>There would be warning lights in red and blue colour all around the vehicle.</li> <li>Every compartment would have separate LED lighting of white colour.</li> <li>One PA system 150W output electronic siren with speaker and microphone.</li> </ul>

**EQUIPMENTS DETAIL**

**One Combination Hammer & Drill**

• **Features**

D25601K SDS-Max Combination Hammer is ideal for drilling anchor fixing and through holes in concrete and masonry from 12 to 45 mm in diameter and core drilling up to 100 mm. Its chain drive improves durability and increases efficiency together with an oil filled gearbox to ensure total component lubrication and superior heat dissipation and its ergonomic, compact and slim line design maximizes control and offers easy access to confined spaces.

<b>Specifications</b>	<b>Value</b>
Power Input	1250 Watts
Power Output	615 Watts
Load Speed	210-415 rpm
Blows per Minute	1430-2840 bpm
Impact Energy	2-12 J
Tool Holder	SDS-Max
Max. Drilling Capacity [Concrete]	45 mm
Max. Drilling Capacity [Breakthrough bit]	65 mm
Max. Drilling Capacity [Core bit]	100 mm
Weight	6.8 kg
Length	477 mm
Height	245 mm
Width	104 mm
Hand/Arm Vibration	9.2m/S <sup>2</sup>
Uncertainty K 1 (Vibration)	1.5m/S <sup>2</sup>
Hand/Arm Vibration – Chisel	7.2m/s <sup>2</sup>
Uncertainty K 2 (Vibration)	1.5m/s <sup>2</sup>
Sound Pressure	92db(A)
Uncertainty K 1 (Sound)	3db(A)
Acoustic Pressure	103db(A)
Uncertainty K 2 (Sound)	3db(A)

**Accessories**

- Multi-position side handle with depth stop
- Grease
- Cloth
- Heavy duty carrying case
- Drill Bit ½” x 12” (Qty 02)
- Drill Bit ¾” x 12” (Qty 02)
- Drill Bit 1” x 12” (Qty 02)

**One Chipping Hammer (Panel A)**

**Features**

- Chipper demolition hammer for medium heavy applications in brick, masonry and concrete
- Hammer philosophy design: protect mechanism from dust impact, dampen the rebound and develop a low vibration mechanism
- Variable chisel locking at 24 positions to provide the perfect angles for any applications
- Floating rear handle

- Electronic speed and impact energy control
- Lock-on lock-off switch
- Barrel grip for better comfort in horizontal applications
- Brush wear and service indicators

<b>Specifications</b>	<b>Value</b>
Power Input	1300 Watts
Power Output	840 Watts
Blows per Minute	1260-2520 bpm
Impact Energy	2-14 J
Tool Holder	SDS-Max Morse Taper
Weight	8.0 kg
Length	528 mm
Height	268 mm
Width	116

Hand/Arm Vibration

#### **Accessories**

- Multi-position side handle
- Grease
- Cloth
- 1 point chisel
- Heavy duty carrying case
- Drill Bit ½'' x 12'' (Qty 02)
- Drill Bit 30~45cm x 12'' (Qty 02)
- Drill Bit 1'' x 12'' (Qty 02)

### **Rotary Saw Cutter (Panel A) 01**

#### **Features**

- Soft start to limit start-up current and reduce kick back
- Anti vibration side handle
- Quick adjustment tool free guard
- Abrasion protected high power motor for increased motor durability
- Fully leaded stator windings for increased motor durability
- Five position side handle for improved balance in cutting and grinding applications
- Cut-off brushes to prolong motor life
- Dust sealed bearings for prolonged product life

<b>Specifications</b>	<b>Value</b>
Power Input	2200 Watts
No Load Speed	6500 rpm
Max. Disc Diameter	230 mm
Spindle Thread	M14
Weight	4.7 kg
Length	450 mm
Height	145 mm
Power Output	1540 Watts
Hand/Arm Vibration Grinding	–
Uncertainty (Vibration)	K 1
Hand/Arm Vibration Sanding	–

Uncertainty K 2  
 (Vibration)  
 Sound Pressure  
 Uncertainty K 1 (Sound)  
 Acoustic Pressure  
 Uncertainty K 2 (Sound)

**Accessories**

- Protective tool free guard
- Anti vibration side handle
- Inner and outer flange set
- Spanner
- Heavy duty carrying case
- Multipurpose Blade (Concrete and Metal)  
 (Qty 10)

**One Chain Saw (Panel A)**

Petrol Engine driven Chain saw having minimum 22” bar with standard accessories. Qty 01 set

**Rescue Chain Saw (Panel A)**

Gasoline engine driven, for Concrete Cutting 20” to 24” with one spare chain

**One Reciprocating Saw (Panel A)**

**Features**

- 1200 Watt motor delivers increased power for heavy duty applications
- 0 - 2,600 SPM and 28mm stroke length for fast and efficient cutting
- Keyless stainless steel blade change for quick and easy blade changes and increased reliability
- Keyless adjustable shoe easily adjusts the depth of cut and extends the blade life
- Variable speed trigger provides control and versatility

<b>Specifications</b>	<b>Value</b>
Power Input	1200 Watts
Power Output	630 Watts
No Load Stroke Rate	0-2600 spm
Stroke Length	28 mm
Max. Cutting Capacity [Wood]	300 mm
Max. Cutting Capacity [Steel Sections & Pipes]	130 mm
Max. Cutting Capacity [PVC]	160 mm
Weight	4.0 kg
Length	460 mm
Height	60 mm
Strokes/Min	
Stroke Length	
Keyless Blade Clamp	
Dust Blower	
Stroke Length	
Orbital Action	
Tool Weight	
Bevel Capacity	
Max. Cutting Capacity [Steel]	

Max. Cutting Capacity [Non Ferrous Metal] Length mm <b>Accessories</b> <ul style="list-style-type: none"> <li>• Metal Blades (Qty 20)</li> <li>• Wooden Blades (Qty 20)</li> <li>• Heavy duty carrying case</li> </ul>
<b>One Extension Ladder (Panel A)</b>
Minimum 15 feet F/G (2 Sections) extension Ladder. 150kg load capacity between the centers of the ladder. Qty 01.
<b>One Roll-on Ladder 20 feet</b>
<b>Hydraulic Jacks (Imported)</b>
Hydraulic Jack (bottle Jack type) minimum 12 tons with standard accessories. 04 Sets.
<b>Shovels (Local)</b>
Flat type shovels with 2 ½ feet wooden handle 04 Qty.
<b>Karahi &amp; Kahi (Local)</b>
Stainless Steel/galvanized material Karahi approx weight 1800 grams & Khaki having 2 ½ feet wooden handle for debris shifting. 04 Qty
<b>Hammer (Local)</b>
Hammer 4.5 kg with minimum 1.50 feet wooden handle. 04 Qty
<b>Chisels (Local)</b>
Mild steel Hand chisels minimum 8 inch long flat head and pointed head. 04 Qty
<b>Manual Adjustable Rams (Local)</b>
Manual Adjustable rams having minimum 1.0 ft , 2.0 ft & 3.0 ft extended length & 2.0 ton capacity, 02 Qty each
<b>Rescue Tripod</b>
<b>Rescue Tripod</b> with anchor point for <b>pulley hook</b> for lifting over 318 KG weight following are the specifications:- <ul style="list-style-type: none"> <li>▪ S/S Pipe construction for lifting.</li> <li>▪ Minimum 2.14 meters fully extended, minimum 3.1 meters fully retracted.</li> <li>▪ Telescopic legs.</li> <li>▪ Secondary safety anchorage.</li> <li>▪ Supplied with security chain around base.</li> <li>▪ Stabilizing feet with square plates. 01 Qty</li> <li>▪ One special hand operated manual winch with self locking system</li> <li>▪ Two Bosan Chairs for victims &amp; Rescuers</li> </ul>
<b>Rescue Rope Rollers (Local)</b>
Specially designed for smooth functioning of Winch Operations. The Rollers module is a compact and light weight rope protection system made of aluminum alloy. The 3 articulated pieces allow covering perfectly any kind of edges and the nylon double rolls make 2 ropes action more quick and safe. 01 Qty
<b>Basket Stretcher</b>
One piece Dimension 2.170x620x185mm with load capacity minimum 278kg made of high density aluminum frame resistant the effect of chemicals, rust, corrode, extreme temperature. Maximum weight 14 kg .adjustable lifting bridle used for horizontal and vertical lifting situation. device with crane hook and four adjustable belt straps used in vertical or overhanging operation, Effective immobilization system, may be used with spine board or vacuums.01 Qty
<b>Full Body Harness (Panel A)</b>
Full body rescue harnesses with front loop for D ring near waist and back ring in between shoulder blades. 4 Qty.
<b>D-Ring (Panel A)</b>
D-rings made of aluminum alloy, manual locking system having 30kN capacity. 6 Qty.
<b>Figure of Eight (Panel A)</b>
Figure of Eight made of aluminum alloy having 30kn capacity. (06)

<b>Static Rope (Panel A)</b>
Static rope 11 mm, 45 meter long. <b>This excellent rope with low elongation and high static strength is intended primarily for work at height and for securing people above vertical drops. The thicker the diameter, the stronger the rope.</b> 02 Qty <ul style="list-style-type: none"> <li>• Rope diameter (mm) <b>11</b></li> <li>• Weight (g/m) <b>79</b></li> <li>• Sheath slippage (mm) <b>0</b></li> <li>• Number of falls min <b>50</b></li> <li>• Number of falls max <b>50</b></li> <li>• Relative mass of sheath (%) <b>42</b></li> <li>• Elongation (50-150 kg)(%) <b>3.2</b></li> <li>• Shrinkage (%) <b>3</b></li> <li>• Tenacity (kN) <b>40</b></li> <li>• Tenacity with knots (kN) <b>20</b></li> <li>• Material <b>PA</b></li> <li>• Rope type <b>A</b></li> <li>• CE 1019 <b>yes</b></li> <li>• EN 1891 <b>yes</b></li> </ul>
<b>Safety Rope (Local)</b>
Safety rope 40 M long having minimum 11 mm dia. 04 Qty
<b>Safety Belt (Panel A)</b>
Safety belt fit for all sizes would comply with NFPA / EN standards. 02 Qty
<b>Jumping Sheet (Local)</b>
One Jumping sheet 12x12 feet to be used for Rescue purpose. Jumping sheet made of high tensile strength polyester fabric to be designed stitched with cross linkage method to make it strong enough to bear the dropping weight of 150KG. All around the sheet would be holding handles made of nylon rope 10mm. The centre would be marked with red square stripes of fabric and also red strips all around the corner. 01 Qty
<b>Hand Search Light /Torch (Imported)</b>
Water proof hand spot search light. 05 Qty
<b>Telescopic Roof-Mounted Search Light</b>
<ul style="list-style-type: none"> <li>• Specially designed for Rescue Services</li> <li>• Full erection with motorized/ pneumatic mechanism up to 5 feet from base</li> <li>• 4 Lights 220 V Halogen 500 W/ equivalent SMD Flood light motorized 360 degree movement</li> <li>• Extendable Height 4-5 feet</li> <li>• Remote control (wired)</li> </ul>
<b>Water/Shock Proof Halogen Light</b>
Two water/Shock proof Halogen Flood Light minimum 2x500 W/ equivalent SMD Flood light with 4-7 ft telescopic adjustment on tripod collapsible stand all made of SS pipe material. 01 Qty
<b>Portable/ Foldable LED Incident Management Light with specially made for Rescue Purposes with rechargeable battery, packed in Special Box (Panel A)</b>
<b>Fire Extinguisher DCP (Imported)</b>
Two Fire Extinguisher DCP 12 kg and two Fire Extinguisher DCP 6 kg.
<b>Fire Extinguisher CO2</b>
Fire Extinguisher CO 2 ( 6 kg ) 02 Qty
<b>Crow Bar &amp; Pick Axe</b>
Crow bar with pointed & flat ends, minimum 6 feet length and minimum 35mm diameter. Pick axe of medium size with 2 ½ feet wooden handle. 04 Qty Each
<b>Bolt Cutter (Panel A)</b>
Bolt cutter 24” and one 36” with insulated handles for minimum 11 KV. 01 Qty each(One Each)
<b>Fire Man Axe (Local)</b>
Flat head Fire Man Axe with insulated handle length minimum 1.50 feet. 04 Qty
<b>Rescue 5 in one Tools Set Kit (Panel A)</b>
Rescue 5 in one Tools Set Kit with interchangeable tips for metal after car, plane or train crashes, breaking concrete and masonry, breaking padlocks and bolts for opening doors and windows.
<b>Seat Belt &amp; Glass Cutter (Spencer Italy)</b>

Minimum force of 12 lbs .tool should be contains a spring loaded steel point and stainless steel blade for cutting. 02 Qty
<b>Safety Signs (Imported)</b>
All type of safety/traffic signs on reflecting tap/stickers in according with international standards and custom made signs to be used for indicating exists, direction, rescue and life saving equipment etc. Triangle Reflecting, Traffic Cones. 02 Qty each
<b>Cordon of Tape (Local)</b>
Cordon of Tape. 05 Rolls
<b>Polyethylene Rain Suits (Imported)</b>
Polyethylene reusable two piece Rain Suits. 10 Qty
<b>Gloves (Imported)</b>
Electrician's gloves rubber type insulated minimum 11KV. (Qty Two pairs)
<b>Leather Gloves (Local)</b>
Leather gloves. (Qty 15 Pairs)
<b>Goggles &amp; Reusable Earplugs (Local)</b>
Goggles & reusable earplugs (Qty 06+06)
<b>Rain Suits (Imported)</b>
Disposable rain suits. (Qty 50)
<b>Working Mat (Local)</b>
Synthetic / Rubber working mat of size 1 meter x 2 meters (Qty 06)
<b>Tarpaulin Sheet (Local)</b>
Tarpaulin sheet PVC coated Size 6x8 m (Qty 04)
<b>Floating Lines (Panel A)</b>
Floating rope made of Polyethylene material having 10 mm dia with 45 m length. (Qty 02)
<b>Life Jacket (Imported)</b>
Orange Life jacket buoyancy aid 4 straps fixing and neoprene rubber internal buoyancy. The life Jacket would have 180-220 buoyancy. The life jacket would have whistle and light. "Rescue 1122" written on front and back. (Qty 04)
<b>Life Buoy (Panel A)</b>
Designed for pleasure and commercial usage, features an orange, rack hard, cross - linked polyethylene outer shell that will not deteriorate and is unaffected by extreme weather conditions CE approved to SOLAS (L.S.A Code)* by G.L. Luxembourg. Ext.Diam 725 mm, Int.Diam. 450 mm (Qty 02)
<b>Life/Mooring Rings(Panel A)</b>
<b>Life/Mooring Ring with 30m rope</b> Designed for the retrieval of MOB, the ring is molded in PVC, weighing only 250gr, and it is tied to a 30metre floating rope. (Qty04)
<b>Portable Generator (Honda/Yamaha or equivalent (Panel A)</b>
Portable electric Power Generator Petrol Driven Engine minimum 03 KVA. (Qty 01)
Rated Output <b>2.8 kVA</b>
Consumption <b>2.0 litre / hour</b>
Tank Capacity <b>24 litres</b>
Engine <b>GX270H</b>
Noise Level <b>97(70 dB)</b>
<b>Electric Power Generator (Panel A)</b>
Diesel / petrol engine (4 strokes) with electrical starter output of 15 KVA with sound proof canopy. It would be installed at front of the rear cabin with one shutter door towards the front side of the rear cabin for maintenance of the Generator and have proper exhaust system. (Qty 01)
<b>Electric Winch (Mile Marker USA)</b>
Electrically operated winch at middle of the vehicle will have pulling capacity not less than 05 tons with corded remote having minimum 15 feet length it would have suitable steel cable rope of minimum 100 feet length. The electric winch to be installed on specially reinforced platform at the front of vehicle or in the middle of rear body with extended boom 6"x6" at the back. (Qty 01)
<b>Tool Kit One Set</b>
Mechanical Toot Kit box with lifting handles having following items: <ul style="list-style-type: none"> <li>• Screw driver set(Qty 01)</li> </ul>

- Spanner Set(Qty 01)
- Wooden hack Saw(Qty 01)
- Hammer(Qty 01)
- Elenkey set(Qty 01)
- Adjustable spanner(Qty 01)
- Wire cutter(Qty 01)
- Pliers(Qty 01)
- Nose pliers(Qty 01)
- Box spanner set(Qty 01)
- Testers (Qty 02)

**Extension Lead On Reel (Local)**

Extension wire lead on reel with 100 ft electrical cable 20 Amp load capacity having 3 electrical outlets and 01 circuit breaker. (Qty 04)

**Side Awning (Imported)**

Approx size 8'x10' mechanical manual folding and unfolding mechanism with water proof fabric. (Qty 01)

**Folding Table and Chairs**

One folding table and 4 chairs made of plastic and steel. (Qty 01 set)

**Inflatable Boat (Imported)**

6+1 persons rubber boat made of high grade rubber material specially for hilly uneven rough speedy water, with sufficient accessories for rescue persons. The bottom and side walls should be covered with high grade Kevlar or equivalent material strong enough for repeatedly hitting sharp edged mountainous and uneven water course. There should be more than one inflatable chambers, extra foot pump, extra oars and quick repair kit. (Qty 01)

**Snake Catcher (Imported)**

Minimum size 40", snake tongs made of light weight material. (Qty 02)

**Knee and Elbow Pads**

For professional rescue operations (Qty 04 pairs each)

**HYDRAULIC COMBI TOOL EN-Class: 13204 NFPA-Class: 1936 (Panel A)**

**Rescue Comi Tool Hydraulic (Spreader & Cutter)** having following specifications

**Opening:** 460 mm

**Spreading force, min.** 41 kN

**Spreading force, max.** 119 kN

**Cutting force** 729 kN, 74,34 Tons

**Cutting capacity:** Ø 31 mm

**Pulling force** 66 kN

**Weight** 16,5 kg

**Length** 740 mm

**Hydraulic Power Units:-**

**Special features**

- High oil flow in low and high pressure Simultaneous hydraulic power units for the simultaneous operation of up to three tools.
- Automatic locking, flat face quick connect couplings Optional with Monocoupling.
- Stable carrying frame with the option to upgrade to DIN-Standard frame.
- Large oil reservoirs equipped with gauge-glass.
- Rapid deployment equipment available: choice of front or side mount hose reels (2 reels, capacity is 10 m with 1 spare reel of 20 m of high-pressure twin line hose tools.
- Operating pressure 630 - 720 bar
- Oil flow/Pressure 2 x 2.4 l/min / 180 bar
- 2 x 0.7 l/min / 720 bar
- Power unit **4-cylinder gas engine**
- Power 2.15 kW
- Oil tank 5 l (3.5) l
- Width/Depth/Height 330 / 345 / 465 mm

**Hydraulic Oil:-** Two 5 liters high pressure Hydraulic fluid.

**Pulling Device Chain set:** Rescue Systems pulling chains can be attached directly to the tips of the combi tool without tip exchange. The required length is easily adjusted by inserting the chain links into the attached collet. Pulling chains are delivered as a set consisting of 2 chains and 2 collets.



**Replacement Blades and Replacement Tips:** The unique construction principle of Rescue Systems combi tools provides an easy exchange of the blades without the need of replacing the arms - thus saving time and maintenance expenses. The regrindable blades must be replaced in pairs.

#### **Flame Cutter QTY 01 (Panel A)**

Rescue flame cutting system to cut steel of minimum 4-inch thickness, for minimum of 30 minutes continuous operation (Fuel=Petrol + Oxygen) torch min 20 inches long, 90 degree head. (Qty 01)

Flame Cutter having following items:

- Torch, 20 inch with 90 degree head.
- Gasoline tank of 2.5 gallons.
- 2 cutting tips.
- Gasoline hose assembly, 20' feet.
- Oxygen hose assembly, 25' feet.
- Oxygen back flash arrestor.
- Spark sticker.
- Reference manual.
- "Getting started" color chart.
- Training Video

#### **Contents of Parts Kit**

- Mixer with wick and O-rings.
- Pre-heat oxygen valve.
- High pressure oxygen valve.
- External O-ring for High pressure oxygen valve.
- Internal O-ring for High pressure oxygen valve.
- Installation tool for internal O-ring.
- Lever nut.
- Lever screw.
- 2 metal wicks.
- 1 set O-ring for mixer.
- Filler cap gasket.
- Leather pump cup.
- Flat seal for pump check valv.
- Extra flint for sparker.

#### **Contents of Tool Kit**

- Tip shell reamer.
- Tip brush.
- Jack screw.
- Packing nut wrench.
- Tip drill set.

#### **DIVING APPARATUS QTY 02 Sets (Panel A)**

##### **FEATURES:**

Breathing Apparatus for Water Rescue having following items:-

##### **1-Air Cylinder:-** Product reference Number **317 797**

- Tank, 15l / 3300 PSI (230 bars) giving the capacity of a twin tank.
- Dual outlet valve (Din or INT) without reserve
- Carrying handle.
- EN 250
  - **Vol : 15 liters**
  - **PS : 3300 PSI (230 bars)**
  - **L : 72,5 cm**
  - **D : 20 cm**
  - **P : 18,9 Kg**

##### **2-Jacket Master Air Tek :-**

- Technical BC with 840 Denier polyurethane bag and 420 denier expandable pockets
- 1000 denier Cordura outer covering
- Air volume separated front and rear
- Length-adjustable shoulder straps and straps on the sides

- Aluminum backpack with lumbar support
- 2 accessory pockets with zip
- 2 fixed rear ballast pockets for 2.5 kg of weight
- 2 expandable front ballast pockets for 5 kg of weight, with safety closure
- Snorkel and knife holder accessories
- Flap
- Tank strap with quick connector
- Inflator and upper and lower exhaust valve standard
- EN 1809
- Weight of size M : 4.450 Kg

**3-Regulator:-** For use in temperate waters – Designed for beginners and suited for Dive School use Regulator specially designed for dives in temperate waters. Product suitable for dive centers.

- Balanced 2nd stage with adjustable venturi
- Compacity
- Best quality / price offer of the market
- Easy maintenance
- Piston 1st stage with balanced compact 2nd stage
- 1st stage with a 90° connection designed with an adjustable MP seat.
- Piston, valve and spring are the ones of the V3
- Compact 2nd stage with an adjustable venturi
- Best compromise between simple design and performance thanks to the compensate 2nd stage which maintains high breathing performance with low HP . ( 0.83 J/L with 50 bars )
- Does not exist in cold version
- Comply with EN250 standards
- 929g DIN - 1105 g Yoke

**4-Octopus VTR :-** Backup second stage – For use in temperate waters – Goes with the VRT200 and VRT30 VRT OCTOPUS compact second stage Pneumatically balanced adjustable venturi system for enhanced performance and ease of breathing on any diving situation.

Combines the features of our VRT with a single adjustment.

For use as high performance octopus.

Equipped with extra long Super Flow hose.

**5- Underwater Pressure Gauge :-** Analogical pressure gauge.

- Luminescent screens.
- Pressure gauge 300 bars up to EC EN 250 with indication of zone of reserve.
- Graduation all 10 bars.
- Nickelled stamped brass body.
- The unit is swivelling for an optimal orientation.
- Soft HP hose with connection 7/16" for connection to all 1st stages regulators.

**6-Weight Belt:-** weight belt balance your weight when you diving.

**7-Black Silicon Mask:-** Low volume single lens designed for exceptional field of vision.

Beuchat hinged pivoting buckle system.

Double seal liquid silicone skirt.

Available in clear and black silicone.

**8- Divers Kniffe :-** Small size

- Stainless steel balde with line cutter
- Accessories to fix the knife on the BC pocket , the HP hose or with rubber straps

**9- Swim Fins:-** Shredder fins can be worn over water boots such as the US Divers AMPHIB For cold water up to 14 C) .

**10- Gloves:-**Five fingered head reflecting gloves made of 5 mm neoprene ensure that you can use your hands to the full during dives.

**11- Water proof under water light:** - It uses a clever magnetic switch that operates outside of the body to prevent leaking. The switch can be easily removed for washing off sand and dirt. Pelican's unique battery compartment design allows for optimal space utilization and negative buoyancy. A spare Xenon lamp is included and stored underneath the reflector. Submersible to 500 feet and powered by 8 C alkaline cells. Operation timing is 4 hours.

**12-Diving Boot:-** The ideal pair of boots for all children that are into water sports. LALIZAS children's Wet Boots are constructed with Neoprene, and have rubber-reinforced toe and heel. Their non-slip sole gives better traction on all surfaces, even when wet. An easy slip-in zipper offers perfect fit.

<b>HYDRO-STRETCHABLE FULL WET SUIT(QTY 02) (Panel A)</b>
6 mm Power span™ panels on shoulder, back and arms for mobility reflective lettering on the bright yellow sleeves increase visibility Knee and shins armored with molded polyurethane 5mm sheet covered with tough tax for extra padding and durability <b>Gloves.</b> Five fingered head reflecting gloves made of 5 mm neoprene ensure that you can use your hands to the full during dives <b>Swim Fins.</b> Shredder fins can be worn over water boots such as the US Divers AMPHIB For cold water up to 14
<b>RESCUE CONCRETE CUTTER (Panel A)</b>
<b>FEATURES:</b> Lightweight Ergonomic control system Perfectly balanced Decompression valve Tension of drive belt easily adjusted with a screwdriver 5-stage air filter system Bearing assistance on the protection cover Available with guide trolley Cutting disc can be mounted centrally or laterally <b>TECHNICAL SPECIFICATION:-l specifications</b> Model Engine 2-stroke Displacement 94 cm <sup>3</sup> Power rating 4,2 kW Power rating 5,7 PS Fuel tank capacity 1,1 l Circumferential speed 80 m/s Weight (without blade) 10 kg Max cutting depth 125 mm Wheel Ø 350 mm Arbor Ø 20 mm Arbor Ø 25,4 mm
<b>Rope Throwing Gun with Ice Rescue Kit 01 QTY</b>
The Kit is the Swift Water / Messenger Line Thrower supplied with two payloads and all the accessories required to operate this device. The messenger line which allows for long range horizontal deployment distances of 400ft / 104m. This line can be used to tow larger, stronger ropes across a river or other fast moving body of water. The Polyspectra Line has a stronger test strength of 2200 lbs / 998 kg and is intended to be used in water-based operations which require the line to float. This line, when coupled with the Sling Projectile becomes an effective way to assist a distressed swimmer who may be caught in strong currents by delivering the Sling within seconds. The Auto-inflating Sling has a mechanism which inflates the sling on contact with water. The deployment distance of the Polyspectra Line with the Standard Projectile is about 275ft / 84m. This Streamline Filler Hose facilitates charging the Projectiles with compressed air from an Air Compressor, a SCBA Tank, or a SCUBA Tank. The service pressure of these Projectiles is 3,000psi / 207 BAR. This kit comes complete with spares and a Kit Carry Bag for easy carrying. Optional accessories include the Tool Kit and a Rigid Transport/Storage Case. Additional projectiles and lines are available with all of the Kits.
<b>Inflatable Insulated Tent for Incident Command Post</b>
A complete system for electrical wiring, flooring, ventilation with provision of A/C with foldable furniture and all accessories including PA system, Data Display & Transfer System, Communication systems, approximate size 30 to 36 Sq. M.
<b>One Set of 5 Pneumatic Air Lifting Pads (Panel A)</b>
Pads should be square & rectangular in design of lifting capacity 4 to 28 Tons with all pneumatic air filling system.
<b>Life Locator Radar System (Imported)</b>
This life locating system should be an indispensable tool for use in any disaster scene where there may be people trapped underground or under debris. This system should use Ultra Wide Band Ground Penetrating Radar (UWB GPR) to search for possible signs of life as small as a heartbeat or someone simply breathing through up to ten meters of debris or underground. The Radar unit is controlled wirelessly by a touch screen hand held controller tablet thus avoiding messy cables that may get tangled or damaged. The control unit automatically displays the results for each scan in a very simple and user friendly display utilizing brightly colored symbols and audio signals to highlight

any possible signs of life detected.  
To be easy and fast to deploy.  
To be easily portable, light weight and compact.  
To be rugged and durable.  
To operate independently with no external power requirements.

#### **Video Search System (Panel A)**

**Video Rescue Search:** - With a colour camera on an ultra lightweight boom in connection with a bright and extra wide screen, **Video Rescue Search** allows rescue teams to discover and to visualize over 360° exact victims position trapped under rubble.

In addition in Search & Rescue responses in various conditions, **Video Rescue Search** also successfully provides clear and corrects images for:

- Maintenance operations in industry and construction
- Customs inspections
- Police investigations

#### **Video Rescue Search specifications:**

##### **- Control board with display and key pad:**

Intuitive use and settings make Video Rescue Search immediately operational.

Menu listings easy to use with pictograms and signals

Lighting conditions, image orientation and camera position are displayed for adjustment.

TFT technology, LCD colour screen 7 inches, 16/9, 800 candela brightness.

##### **- Colour camera, outside diameter 47 mm :**

Adjustable illumination level to see up to 6m distance in dark conditions.

Unscratchable sapphire front lens,

Articulation travel, 90°left to 90° right for a 270° total area viewed with wide angle camera opening.

##### **- High sensitivity speaker and microphone:**

Integrated into camera housing for ease communication even

##### **- Ultra lightweight telescopic pole, extremely resilient carbon fibre made, for ease handling on 360° rotation:**

3 sections for a total length of 2.4m, 1m long folded. Clipsable ergonomic pistol grip.

##### **- Stereo headset with microphone:**

Automatic limitation of sound level for user's ears protection.

Two headsets connectable on two available sockets.

##### **- Rechargeable battery pack:**

Running time: 4.5 hours without charging.

Charging time: 4 hours

Minimum temperature for charging: -5°C

Battery charge level constantly displayed.

Coloured warning light on rechargeable battery signals battery charge level and status.

##### **- Pack of 10x standard AA size batteries:**

Interchangeable with rechargeable battery without any specific tool (AA size batteries non supplied).

##### **- Battery charger:**

100-240Vac, 50 and 60Hz with 4 standards pin plug adaptors

12-24Vdc adaptor with cordon for cigar-lighter socket on vehicle

##### **- Shock and water proof carrying case on castor wheels. IP67. L121 x d43 x h18cm.**

##### **- Environmental:**

Operating temperature: from -10° up to +50°C

Storage temperature: from -20° up to +70°C

Dust tight and water resistant, not suitable for immersion

#### **Audio Search System (Panel A)**

**Audio Rescue** allows to detect trapped victims under rubble and then to determine their exact location.

An **exceptional sensitivity** makes **Audio Rescue** able to detect the slightest noises or vibrations given by any conscious trapped victim.

**Audio Rescue** comes with ultra-sensitive seismic sensors plus one intercom probe.

**Audio Rescue** fits itself to use without any preliminary adjustment.

**Audio Rescue** is provided with adjustable electronic filters which reduce disturbances transmitted by drills, vehicles passing around, rain...

#### **Specifications:**

Operating temperature: from -20°C up to +60°C

Storage temperature: from -40°C up to +70°C

**Audio Rescue Life Locator**

**2, ultra sensitive seismic sensors**, each seismic sensor is provided with 8 meters long cable, wound up on rolls

**1 audio waterproof probe**, which makes the dialogue easy between victim and rescuers.

‘Push To Talk’ technology gives priority to the victim’s voice,

Adjustable volume

Outside diameter (< 50mm) is compatible with use of regular breaching systems

**1 Control panel with display and pad**

-Intuitive use and settings make Audio Rescue immediately operational

-Adjustable neck strap for more comfort

-Very high gain and low noise amplifiers

-Adjustable electronic filters:

**Filter ‘high’** cancels high frequencies above the setting point adjustable between 300Hz and 5000Hz. Filter ‘high’ rejects high-pitched noises.

**Filter ‘low’** cancels low frequencies below the setting point adjustable between 15Hz and 300Hz. Filter ‘low’ rejects bass noises.

**1 stereo headset with microphone,**

Automatic sound level limitation to preserve the user

Additional socket to connect a 2<sup>nd</sup> identical headset

**1 rechargeable Ni-mh battery**

Running time: 8 hours without charging.

Charging time: 2 hours.

Charging minimum temperature: -5°C.

Battery charge level constantly visible on display.

Warning light signals battery status

**Option:** specific battery for 30 hours running time

**1 pack of 10x LR6 batteries**, interchangeable with rechargeable Ni-mh battery without any specific tool

**1 battery charger** 100 to 240Vac, 50 and 60Hz,

**1 12 and 24Vdc adaptor** for vehicle battery

**1 shock-proof carrying case**, water proof IP67: L65 x D51 x H24 cm (L21.7” x D16.5” x H7.9”)

**SPECILAIZED EQUIPMENT FOR FIRE, FLOOD AND OTHER EMERGENCIES**

**(d) Data-Sheet of the Assignment**

Brand names & model numbers (if any) referred-to in this tender document are only for reference purpose in the light of BPP Rules - 2014 # 13(1), however **ALL** offers in conformity with the generic specification shall be evaluated as equal.

**(e) Instructions for preparing Bids:**

These Instructions are being given for strict compliance by the Bidders, failure to fulfill any instruction given here-under may result in dis-qualification of the Bid/s. Proposals shall be prepared on following lines: -

1. **Technical Bid:** Sealed Envelope containing the technical bid should clearly state **“Name of Bidder AND Technical Bid”**. A set of this bidding document duly filled, supported with Bidder’s covering Letter be attached with the Technical Proposal, which shall be prepared keeping in view the specifications provided in the Data Sheet above. Following information should be attached/contained in the technical proposal :-
  - a. Documentary evidence of fulfillment of eligibility criteria as required from the Bidder.

- b. Completion time, which means; time consumed in delivery to **Provincial Disaster Management Authority (PDMA) Office**, time required for demonstration.
  - c. Every page of the Bid must be numbered, signed & stamped by the authorized representative.
  - d. Any other information relevant to the technical aspect of the items deemed necessary by the Bidder to mention.
  - e. Rates of items shall be valid for 90 days.
  - f. The contractor must be responsible for incidental charges, insurance before delivery.
  - g. The Bidders may apply for a single or multiple packages.
2. **Financial Bid:** Sealed Envelope containing the Financial Bid should clearly state **“Name of Bidder And Financial Bid”**. A set of this bidding document duly filled, supported with Bidder’s covering Letter be attached with the Financial Proposal. The Financial Bid should be quoted on the bidders letter head on the following format :-

S. No.	Item Name / Model No. / Description	Quantity	Unit Price	Total Price
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

- a. Serial Numbers of items must be quoted as mentioned in the “Bidding Document” (in-case of difference in serial numbers in “Bidding Documents” viz-a-viz “Financial Bid” the bid may qualify for rejection).
- b. No technical detail / specification may be mentioned in the financial bid. In-case of multiple offers/ items quoted against a single item, each item may be distinguished as option # 1, 2, 3 etc. against the respective Serial No.
- c. Offer must be quoted on TCA (Total Cost of Acquisition) basis at the risk & cost of the bidder. This means:
  - i. ALL costs (including duties, taxes & other Govt. payables) incurred up-to delivery at PDMA Office (Address: Air Port Road Quetta)
  - ii. Completion time must be clearly mentioned
  - iii. Loading, unloading and other labor charges.
  - iv. Hardware and Software Installation/configuration/commissioning/training (where applicable)
  - v. Cost including fixation, assembling, dismantling etc. (As & where applicable)
- d. Taxes must be included along-with the price of each item.

- e. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise taxes shall be deducted as per Government Policy / Rules.
- f. Every page of the Bid must be numbered, signed & stamped by the authorized representative.

**(f) Bid Security:**

1. Sealed Tenders must be accompanied with Bid Security in the form of Bank Guarantee or Deposit at Call from a scheduled bank @ **5%** of total bid value favoring the Director General PDMA.
2. Performance Security @ **10 %** in the form of Pay Order, Demand Draft, Bank Guarantee, or Insurance Bond (by AA ranking Insurance Company) favoring the **Director General PDMA** of the Supply Order value shall be required to be provided by the bidder at the time of acceptance of Supply Order/ award of contract.

**(g) Submission of Bids:** Sealed Tenders (Two separately sealed envelopes of Technical and Financial bids) enveloped shall be marked as “ FINANCIAL PROPOSAL” AND TECHNICAL PERPOSAL” in bold and legible letters to avoid confusion must reach the office of the **Director General Provincial Disaster Management Authority Air Port Road Quetta** latest by **06-06-2017 at 11:30 AM** through courier or may be dropped in the **Tender Box** at the office of the **Director General Provincial Disaster Management Authority Air Port Road Quetta**.

**(h) Opening of bids:** The technical proposal will be opened on the same day/ last day declared for submission for bids @ **12:00 PM** sharp in the Office of (**Director General PDMA**) in presence of the bidders who want to be present in the Bid opening session.

**(i) Method of Procurement Used:** Procedure of bidding shall be “**Single stage - Two envelope bidding procedure**” as per Rule # 41(3) of the Balochistan Public Procurement Rules 2014.

**(j) Evaluation Criteria:** Selection of the successful bidder shall be based on the **Least-Cost Selection Method** which means, “**Technically responsive lowest financial bid, received from “Eligible Bidders”** (as specified under the heading of the “Letter of invitation for Bids - Eligibility Criteria for Bidders”) **unconditionally accepting ALL the terms & conditions of this bidding document**”. Procedure for which is as follows: -

1. **Bidders Eligibility Assessment.** Initial evaluation of the technical proposals shall be on the basis of fulfillment of requirements of the eligibility criteria laid down under the heading of “Letter of Invitation for Bids – Eligibility Criteria for Bidders” and Bidders shall be categorized as:
  - i. Eligible Bidders
  - ii. Ineligible Bidders

2. **Return of Proposals from Ineligible Bidders.** Proposals from Ineligible Bidders shall be rejected:
  - i. Their financial proposals shall be returned without being opened.
  - ii. Their Bid security shall be released upon their written request.
  
3. **Return of Non-Responsive Proposals.** Non-responsive proposals shall be rejected:
  - i. Their financial proposals shall be returned without being opened.
  - ii. Their Bid security shall be released upon their written request.
  - iii. If the work can be split among multiple vendors and evaluation is being done on item-wise basis, then a Firm shall only be Non-Responsive for specific items in which it does not meet the minimum technical qualification. And may be recommended for items in which it is technically responsive.
  
4. **Financial Evaluation.** Financial Proposals of the responsive Technical Proposals shall be publicly opened after technical evaluation (date to be fixed by the procuring agency) meeting (after technical evaluation) as communicated by the Procuring Agency. Subsequently, Financial Comparative Statement shall be prepared.
  
5. **Uploading of Evaluation Report.** After Technical and Financial Evaluation of the Bids, upon recommendation of the Procurement Committee the Procuring Agency shall upload the results of the Bid Evaluation in form of a Report giving justification for acceptance of lowest evaluated bid, and reasons for non-acceptance of all other Bids. Copy of the same shall also be provided to any bidder upon their written request.
  
6. **Recommendation for Award of Contract.** Contract for Supply of the recommended Equipment/ items shall be placed with the lowest evaluated bidder/s (**“Technically responsive lowest financial bid, received from eligible Bidder/s, unconditionally accepting ALL the terms & conditions of this bidding document” for each and every Package**), after ten days of uploading of the Evaluation Report at B-PPRA Website.

**(k)Terms and Conditions:**

1. Completion time may be clearly specified. Where completion time shall mean; time consumed in delivery of the ordered items to the designated location of PDMA, Balochistan also including but not limited to time required for installation, commissioning & training. (**Complete delivery including required services detailed in the Data-Sheet**)
2. Maximum delivery time for the order is **90 Days** from the date of Supply Order (bids quoting greater lead times are likely to be rejected).
3. In case of late delivery, the supplier may be blacklisted and late delivery penalty (Liquidated Damages) shall be imposed at the rate of **0.1%** (of the value of items delivered late) per day, upto a maximum of **10%** of the Contract Value (As specified in the Contract).
4. The Consignment, as per the Supply Order, must be accompanied by the authorized representative (technical) at the time of delivery at procuring agency/ designated Office.
5. Partial delivery is **allowed**.



6. Quantity may vary as per requirement of procuring agency.
  7. Bid Security of successful bidder/s shall be released upon submission of Performance Security.
  8. Bid Security of unsuccessful bidder/s shall be released within thirty days from the date of award of contract to the successful bidder/s.
  9. Performance security of the successful bidder/s shall be released within two months from the date of successful inspection. In case of unsatisfactory performance on part of the supplier, the "Performance Security" shall be forfeited or retained till satisfactory completion of task.
  10. Company must have at least **03** year experience in the market.
  11. An affidavit that the firm company has never been blacklist by the government non government in Pakistan.
  12. Bid security amount **5%**
  13. The rates of items shall be valid **90** days
  14. Supplier shall be responsible for safety and security of items to be purchased for which work order is placed.
  15. Substandard items shall be rectified by the bidder during the delivery.
  16. During the delivery it is the responsibility of Technical committee to check the each and every item as per specification and to issue a certificate to the bidder.
- (l) **Terms of reference and technical specifications**
- a. BPPR : Balochistan Public Procurement Rules – 2014
  - b. Technical specification as per the Data Sheet contained in this Bidding Document
  - c. All Terms & Conditions contained in this Bidding Document
- (m) **Tender price assessment and tax liability**

**i. Tender Price Assessment Mechanism**

1. Initially, Eligibility of Bidders as required under the heading "Letter of invitation for Bids" shall be assessed during the Technical evaluation in the following manner:

<b><u>FORMAT FOR ASSESMENT OF BIDDERS ELIGIBILITY</u></b>				
<b>Bidders Eligibility Factor</b>	<b>Requirement</b>	<b>Bidder 1</b>	<b>Bidder 2</b>	<b>Bidder 3</b>
		YES / NO	YES / NO	YES / NO
Registration with Income Tax	Copy of NTN attached?			
Registration with Sales-Tax	Copy of GSTRN attached?			
Relevant Experience	<b>For Self-experienced / Old Firms:</b> 03 No. of Supply Orders with relevant completion certificate or Inspection Report of successfully completed similar assignments in past 03 year/s attached?			
	<b>For In-experienced / New Firms:</b> Signed & stamped copy of MoU /			

	joint adventure or Agreement of support, with a Firm fulfilling the above mentioned criteria duly attested by Notary Public attached?			
Financial Capacity	Bank Certificate of firm should have financial capacity of at least the estimated cost amount of respective package/packages. Company's Bank Account certifying .			
Agreement with all the terms & conditions	Signature & company seal at the end of bidding document affixed?			
Authorization	Only manufacturer or authorized dealer can be participated			
Delivery time	Quoted completion time within 90 days			

- b. Firm must score "YES" in all requirements of the eligibility criteria to be categorized as Eligible. "NO" to any requirement of the eligibility criteria, by any bidder shall render the Firm as Ineligible.
- c. Upon completion of assessment of Bidders eligibility, Technical Proposals of Eligible Firms, shall further be technically evaluated in the following manner:
- d. All Bid/s not fulfilling the technical requirements shall be declared as Non-Responsive. The remaining / Responsive Bids shall further be financially evaluated in the following manner:

<b>FORMAT FOR TECHNICAL EVALUATION OF BIDS</b>										
<b>Technical Requirement/s</b>	<b>Bidder 1</b>		<b>Bidder 2</b>		<b>Bidder 3</b>		<b>Bidder 4</b>		<b>Bidder 5</b>	
<b>Name of Items</b>	<b>Fulfill Requirement YES/NO</b>	<b>Reason</b>	<b>Fulfill Requirement YES/NO</b>	<b>Reason</b>	<b>Fulfill Requirement YES/NO</b>	<b>Reason</b>	<b>Fulfill Requirement YES/NO</b>	<b>Reason</b>	<b>Fulfill Requirement YES/NO</b>	<b>Reason</b>
<b>All Specification of each and every item shall be mentioned in data sheet</b>										

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1. All Bid/s not fulfilling the technical requirements shall be declared as Non-Responsive. The remaining/ Responsive Bids shall be financially evaluated in the following manner:

<b>FORMAT FOR FINANCIAL EVALUATION OF BIDS</b>									
<b>S.No.</b>	<b>Name of Items</b>	<b>Technical Requirement/s</b>	<b>Quantity</b>	<b>Bidder 1</b>		<b>Bidder 2</b>		<b>Bidder 3</b>	
				<b>Unit Price</b>	<b>Total Price</b>	<b>Unit Price</b>	<b>Total Price</b>	<b>Unit Price</b>	<b>Total Price</b>
1									
2									
3									

e. Bid/s found to be financially lowest among the responsive bids shall be recommended for the award of contract.

**ii. Tax Liability**

1. Complete Tax liability is to be borne by the Vendor.
2. Quoted prices shall be inclusive of all applicable Taxes, be filled item-wise as per the afore-mentioned format at Para-2 and may not be applied to the sub-total of the package.
3. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise taxes shall be deducted as per Government Policy / Rules.

**(n) CURRENCY & BID VALIDITY**

4. Tenders must be quoted in Pakistani Rupees (PKR).
5. Validity of the bid would be at-least **90** days (to be specified by the procuring agency/ office) from the date of Tender opening

**(o) Other information :**

1. Name of company : \_\_\_\_\_  
\_\_\_\_\_

2. Complete Postal Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Tel No: \_\_\_\_\_ 4. Email address: \_\_\_\_\_

5. Fax No: \_\_\_\_\_ 6. Mobile No: \_\_\_\_\_

7. Authorized Representative's name & designation: \_\_\_\_\_  
\_\_\_\_\_

8. Type of Business:

- (1) Sole Proprietorship  (2) Partnership   
(3) Corporation (Private Ltd.)  (4) Corporation (Public Ltd)

9. National Tax Number: \_\_\_\_\_

10. Sales Tax Registration #: \_\_\_\_\_

11. Year of Establishment: \_\_\_\_\_

12. Work experience: (Please attach specimen i.e. similar Award of Contract)

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

13. Approx. turn-over for the last three years: (In millions)

2013: Rs. \_\_\_\_\_ 2014: Rs. \_\_\_\_\_ 2015: Rs. \_\_\_\_\_

13. Certificates / Awards (if any, please attach)

14. Company Profile: (Please attach)

Furthermore, I undertake that:

- a. Having read, understood & made myself aware of all the Terms & conditions mentioned in this Bidding Document & the Rules, Regulations & Policies of the Government governing the procurement & financial matters, **AGREE, ACCEPT & UNDETAKE TO ABIDE BY THE SAME.**
- b. The information provided in this form is correct to the best of my knowledge & in the event of change; details will be provided as soon as possible

Name & Designation \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Company stamp.

**Procuring Agency's Name: Provincial Disaster Management Authority Balochistan, Quetta**

**Procuring Agency's Address: Food Grains Soils Airport Road Quetta**

**Procuring Agency's Phone & Fax No.081-9241126/081-9241118 Procuring Agency's Website**

**[www.pdma.gob.pk](http://www.pdma.gob.pk)**