



GOVERNMENT
OF KHYBER
PAKHTUNKHWA

KHYBER PAKHTUNKHWA
**INTEGRATED TOURISM
DEVELOPMENT PROJECT (KITE)**
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

**MINUTES OF PRE-BID MEETING FOR PROCUREMENT OF GOOD FOR
ESTABLISHMENT OF TOURIST RESCUE 1122 STATIONS**

A pre-Bid Meeting for Procurement of Goods for Establishment of Tourist Rescue 1122 Stations in Kumrat Valley (District Dir Upper), Shogran Valley (District Mansehra), Galiyat Valley (District Abbottabad) and Kalash Valley (District Chitral) has been held on October 22, 2020 at 11:00 AM under the chairmanship of Director Planning Rescue 1122 HQ Peshawar in PMU KITE DoT. List of Participants is attached.

2. The Procurement Expert PMU KITE DoT briefly explained to the Forum that the instant procurement is carried out under the World Bank Procurement Regulations (Procurement in Investment Project Financing, Works, Non-Consulting and Consulting Services, July 2016 Revised November 2017 and August 2018) following Request for Bids through International Market Approach.

3. The Bidding documents of the following packages was explained to the potential Supplier in detailed.

Package No. 01: Supply of Ambulances 4x4 with Basic Life Support Equipment.

Package No. 02: Supply of Firefighting 4x4 Vehicles

Package No. 03: Supply of Snow Removal Vehicles

4. The Technical Specification of the above-mentioned packages was discussed in detail with the participants and the following clarification/modification/ addition and deletion were agreed in package wise approach:

- i. It was agreed that as per requirement of the price Schedule Goods Manufactured Outside Pakistan the price quoted shall be in CIP instead of DDP.
- ii. The Engine capacity and Payload Capacity for both the Ambulance and Firefighting Vehicle may be read is 2400 CC to 3000 CC and Pay load: 900 kg – 1500 kg respectively to ensure healthy competition.
- iii. The Gross Vehicle Weight (GVW) is calculated to be with in the range of 2700 Kg to 3000 Kg.
- iv. A layer of neoprene baring pads is to be provided between vehicle/Chassis and fabricated body of vehicle to avoid unstable movement during the driving.



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a. Package No. 01: Supply of Ambulances 4x4 with Basic Life Support Equipment:

Decisions made on Package No. 01:

- i. The option of Fiber Glass is added with ABS material for fabrication of rear cabin/Emergency Medical Technician (EMT) Cabin.
- ii. The screen size of Patient Monitor (Panel A) was reviewed and agreed to be with the range of 6-8 inches.
- iii. The Specification of Main Automatic Loading Stretcher was thoroughly discussed and agreed that it must meet the minimum quality requirement of (Panel A) approved quality.

b. Package No. 02: Supply of Firefighting 4x4 Vehicles:

Decisions made on Package No. 02:

- i. The Water Tank and Foam Tank would be made of Stainless steel/ iron alloy/ Polypropylene material and the Water Tank capacity would be reduced to 500 liters from the range of 1000-1500 liters in order to reduce the Gross Vehicle Weight (GVM).
- ii. The Technical Specification of Water Pump was discussed in detail and it was agreed to add Ultra-High-Pressure System (UHPS) imported (Panel-A certified) and the pressure bar at max 90 - 110 Bar (up to 15 Meter Head).
- iii. The proposed roof frame for stainless Steel is 16 gauge = (1.6mm) and for Aluminum 10 gauge = 3-4 mm. The cabin/ crew cabin is usually made of galvanized profile with dimension of (40x60-40x40-40x30-40x20) and covered with 3mm aluminum was also agreed.
- iv. The additional required extendable ladder is a portable ladder used for firefighting/operational activities during rescue activities furthermore climbing ladder is fixed at the back side of fire vehicle normally used by rescuers / staff for climbing on the vehicle.
- v. An electrical control panel for easy control for siren, strobe lights, emergency lights and flood lights are to be provided in the driver cabin.

c. Package No. 03: Supply of Snow Removal Vehicle

Decisions made on Package No. 03:

- i. The specification of the Snow Removal Vehicle was discussed in detailed the potential supplier has requested the Rescue 1122 team to remove the unnecessary information from the technical specification of the required



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Snow Removal Vehicle and the following generalized revised specification were agreed.

DESCRIPTION	UNIT	DETAIL
Rated operating capacity	Kg	1500-2000
Tipping load	kg	2500- 3000
Operating weight	kg	3000-5000
ENGINE	Gross output	kW 65 - 100
	Coofing	- Liquid
	Steering controls	- Hyd. Joystick Lever
GENERAL	Loader controls	- Hyd. Joystick Lever
Cutting width	60" to 80"	
Cutting height	24" to 36"	
Bucket	Yes / standard size/ adjustable	
Snow Blade (Hydraulic Angle)	Yes / standard size/ adjustable	
Dozer Blade	Yes / standard size/ adjustable	
Snow Blower	Yes / standard size/ adjustable	
Angle Broom	Yes / standard size/ adjustable	
Cutter	Yes / standard size/ adjustable	
Steel Tracks (two pair)	Yes / standard size/ adjustable	
Air Conditioning/Heating System	Yes	

5. The revised/modified Technical Specification package No. 1 and 2 is attached as **Annex-A** with the pre-bid meeting minutes.

6. The meeting ended by the vote of thanks from the chair.



Technical Specifications

(Modified)

**AMBULANCE 4x4 PATIENT COMPARTMENT, EQUIPMENT FABRICATION
AND ACCESSORIES**

SR.	ITEM NAME	DESCRIPTION
01	Vehicle	Vehicle Type: 4x4 Single cabin Engine: 2400 cc – 3000 cc Pay load: 900 kg – 1500 kg
01	SPECIAL SUSPENSION	<ul style="list-style-type: none">There would be an additional suspension including stabilizing bars especially made for ambulances to reduce skid and jerks.
02	FABRICATION OF REAR PATIENT COMPARTMENT	The specifications for the fabrication of rear cabin are as under: <ul style="list-style-type: none">Approx. Rear cabin sizeLength: 9 FeetWidth: 5.6 - 5.9 FeetHeight: 5 – 5.9 FeetThe skeleton should be made of sandwich PU panels/ FG/ ABS of 50mm-60 mm.Exterior sheet of the panel should be of AluminumOne door will be provided of the left-hand side of the vehicleTwo swing doors to be provided at the rear of the vehicleOne Hood on The Roof Of The Driver Cabin Of The Vehicle To Accommodate Emergency Bar Light (Red/Blue).Emergency strobe light must be all around the body, front grill, front and back bumper (15 - 20 No.s)Compact Oxygen Concentrator/Generator 5-10 L/min
03	STANDARD ACCESSORIES	<ul style="list-style-type: none">Front seat belts, tool kit, spare wheel vehicle manuals, standard instruments and accessories.
04	FLOOR	<ul style="list-style-type: none">Floor should not be punctured for installations. Special molded f/g /abs/ fg flooring base 5-8mm thick. The floor would be carpeted with, non-slip, non-staining, water proof and washable special coating which includes special resin, plastic flakes and final coating of transparent lamination / imported antibacterial (one piece) vinyl sheet 2-3 mm thick. The coating would cover all sides and gaps of the cabinetry 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.
05	PARTITION WALL	<ul style="list-style-type: none">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 sliding glass for communication.
	CEILING	<ul style="list-style-type: none">It should be designed and manufactured using molded abs/ fg material. Molded abs/ fg spoiler must be installed on the ceiling with should have internal led light, long grip handle along the length of ceiling made of ss/aluminum properly reinforced and option for holding two iv hooks with anti-swing



SR.	ITEM NAME	DESCRIPTION
		belts, air conditioning vents should be incorporated with in the ceiling for the patient compartment.
07	SIDE UTILITY VERTICAL PANEL	<ul style="list-style-type: none">• Made of abs/ fg molded material on the right side having the following items:<ul style="list-style-type: none">✓ Two outlets✓ O2 alarm system✓ O2 cylinder changeover system and one pressure gauge for line pressure.✓ All switches and sockets for 12 v & 220 v.✓ Touch panel with lcd display.• There are two side utility panels one in driver cabin and other in EMT cabin. Rear cabin have electric system with lcd temperature display of oxygen system, battery status of two batteries and touch switches with LED light for all functions special electronic PC board is designed and installed with relay system. The touch switches are to control with blue light, white light in the cabin, light in the cabin for examination light, for 220 v inverters. The panel would also have switch and regulator for central suction.
08	ELECTRICAL WIRING	<ul style="list-style-type: none">• All electrical wiring of ambulatory compartment would be of wiring harness system with no joint and taping special connectors should be used to ensure the quality and life of the wiring the wires should be color coded and easily traceable along with a separate fuse for each operation. All wires would be fire retardant and high temperature resistant material. There would be a separate maintenance-free battery of 40 amps for ambulatory compartment which is to be charged through the vehicle generator. There would be 220 volts imported inverter of 300~400 watts for ambulatory compartment.
09	THREE TO FOUR PERSONS BENCH	<ul style="list-style-type: none">• Made of 3" special polyurethane foam as used in automobile seats with approximate 16" width, made over a storage box made out of fiberglass/abs/ fg material and open-able in two parts. Heat sealed seat cover of best quality artificial leather, seat belts and cushioned back. One side bar made of 1" s.s pipe.
10	OXYGEN SUPPLY SYSTEM	<ul style="list-style-type: none">• Brand new imported oxygen cylinders of 10-liter capacity duly tested, certified and filled by government approved company it should be equipped with low oxygen alarm, automatic changeover system and oxygen supply hose made of resilient, reinforced plastics/rubber to retain its flexibility and strength in hot and cold temperatures up to 65°C with brass sockets and connectors. The pressure regulator of cylinders would be imported "panel-a certified". Oxygen would be delivered through two outlets on the panel-a certified 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.
11	ONE PERSON CREW SEAT	<ul style="list-style-type: none">• One crew seat fixed to the body of the vehicle with waist seat belt at the head end of patient with best quality artificial



SR.	ITEM NAME	DESCRIPTION
		leather/ fabric. It should have multiple adjustment levels for rotation and should have foldable arm rest. The foam used should be of automobile grade.
12	MEDICAL CABINET	<ul style="list-style-type: none">Medical cabinet should be designed on the right side of the vehicle and made of high quality non staining scratch resistant, rust proof; water proof abs/ fg material. It should have enough space to accommodate all the medical and necessary equipment. All front doors & drawers must be made using molded abs/ fg material and should have double side finished with self-locking handles. All doors having self-closable imported surface hinges. Cabinet having three sections. These should be no sharp edge.1. Oxygen section: -<ul style="list-style-type: none">To accommodate two m.f size o2 cylinders, would have molded abs/ fg brackets with easy locking. The door having plexi-glass window, an internal light with a door switch. Floor of cabinet matted with vinyl flooring.2. Drawers section: -<ul style="list-style-type: none">Having 4 to 5 drawers (depending upon the size of vehicle). All drawers made of s/s sheet material. All drawers having special self-closing & self-retaining catcher handle lock system which is not self-open-able during emergency driving.3. Wash basin section: -<ul style="list-style-type: none">This section having special molded abs/ fg wash basin with tap, having a water reservoir of 18 to 20 liters capacity. Water should be dispensable through an electrical pump operated with an automatic outoff switch with a timing of 15 seconds. Top of the cabinet having rounded edges & corners. One soap dispenser & one toilet roll holder to be provided.4. Central suction system:<ul style="list-style-type: none">A central built-in suction system should be provided within the side cabinetry for long duration operations. With 1 l bottle polycarbonate, regulator and gauge.
13	WARMING CABINET FOR I/V FLUIDS	<ul style="list-style-type: none">A thermostatically controlled cabinet will be provided to keep the i/v fluids at 37-degree temperature so that paramedics can use it without delay in emergency situations.
14	SIDE CABINET FOR SPACE OF AED & SUCTION UNIT	<ul style="list-style-type: none">Made of completely abs/ fg material on the right side of the vehicle starting from the end of main cabinet of the full length of right side, one top shelf to accomodate aed, monitor, emegency bag, search ligh all having special brackets, lower shelf having space of suction unit, there should be shelf with electrical socket for accessories and other items.
15	OVERHEAD CABNIET	<ul style="list-style-type: none">one overhead cabinet made of abs/ fg material on right side of the vehicle having space for storage.
16	MAIN AUTOMATIC LOADING STRETCHER	Main stretcher automatic loading type panel-a certified 1- Adjustable height 65-85 cm 2- The back rest can be adjusted from 0-65 deg by gas spring swing down side rails to protect patient when transfer



SR.	ITEM NAME	DESCRIPTION
		<p>3- The mechanical legs are controlled by the handles in both sides</p> <p>4- Only one person can slide the stretcher on to the ambulance</p> <p>5- The stretcher can be locked by the fixing device when it is in the ambulance</p> <p>6- It is made by high strength aluminum and stainless steel</p> <p>Length: 188 – 198 cm Width: 50 – 60 cm Height: 80 – 90 cm Load bearing capacity: 170 - 180 kg</p>
18	Spine Board with Head Immobilizer (Panel-A certified)	<ul style="list-style-type: none">• Floatable spine board that reduces the possibility of contamination during transportation of the patient. High density completely recyclable polyethylene, molded into a unique, one-piece shell; this technique guarantees the back.• The exclusive head immobilizer has been studied to assure the optimum head immobilization of traumatized patients.
19	BURN KIT IN BOX	<p>Burn kit having following items:</p> <ul style="list-style-type: none">• Sofratule 10 packs• 10 water gel/burn gel dressing (10 x10 cm)• 5 sterilized gauze (4x4)• 2 silver sulfasalazine creams• 2 xylocaine gels• 2 burn lotions• 2 burn sheets• 4 bandages of size 4"• One angular scissor• 2 medical tapes of size 1".
20	BLEEDING KIT PACKED IN KIDNEY TRAY	<p>Bleeding kit packed in kidney tray having following items:</p> <ul style="list-style-type: none">• Kidney s.s 8" needle holder (01)• Artery forceps (02)• Toothed forceps (01)• Tourniquets (04)• Tissue scissor (01)• Sponge holder (01)• Dressing scissor (01)• Crepe bandages small & large (02 each)• Gauze packs large (04)• Catgut 2/0 (05).
21	AMPUTATION KIT IN	<p>Amputation kit in stainless steel tray having following items:</p> <ul style="list-style-type: none">• Saw cutter (01)



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SR.	ITEM NAME	DESCRIPTION
	STAINLESS STEEL TRAY	<ul style="list-style-type: none">• Needle holder (01)• Artery forceps (02)• Toothed forceps (01)• Tissue scissor (01)• Sponge holder (01)• Dressing scissor (01)• Crepe bandages small & large (02 each)• Gauze packs large (04)• Silk 2/0 & 1 size 2 each with needle• Tourniquets (04)• Inj. Xylocaine (05)• Inj. Sosegon (02)• Inj. Dicloran (02)• Inj. Maxolon (02)• Inj. Distilled water (04)• D / syringes 5cc, 10cc (05 each)• Antiseptic wipes 01 box• Quick clot for immediate stop to perfuse bleeding 01,• Haemostatic gauze one box of 50 pcs.
22	ONE FOLDING STRETCHER TWO FOLD	<ul style="list-style-type: none">• Bedding area made of very strong water-resistant PVC coated washable orange parachute cloth with rescue 1122 printed on it and special carrying bag made of parachute and structure made of 1¼" round light-weight aluminum alloy.
23	TRAUMA FIRST AID BAG	<ul style="list-style-type: none">• One rucksack type trauma first aid bag made of strong water resistant pvc coated washable red parachute cloth with yellow reflective strips rescue 1122 printed on it with appropriate placement for and including the following items: -<ul style="list-style-type: none">○ Wooden splints (2)○ Crepe bandage (4" =01 6" =01)○ N/saline 0.9% (01)○ Pyodine solution (01)○ Dressing scissor (01)○ Pyodine powder (01)○ 4x4 gauze pad (04)○ Sticking 1" (02)○ Antiseptic wipes 01 box.
24	ONE AIRWAY MANAGEMENT BAG	<ul style="list-style-type: none">• It should be made of strong water resistant pvc coated washable red parachute. Cloth with yellow reflective strips rescue 1122 printed on it with appropriate placement for and including the following items: -<ul style="list-style-type: none">➤ Ambo bag having special valves which should limit the excessive flow of gas into the patient airway significantly reducing the risk of gastric insufflations by effectively lowering the airway pressure generated. (Panel-A certified)



SR.	ITEM NAME	DESCRIPTION
		<ul style="list-style-type: none">➤ Hand operated manual suction apparatus (ce certified)➤ One portable bp apparatus with stethoscope➤ Silicon laryngeal mask of 3 variable sizes with transparent tube. (3 of each size)➤ Laryngoscope with four curved blades➤ One professional led torch.➤ Color coded airways of assorted sizes (1 set)➤ Mouth opener➤ Sterilized disposable gloves (04)➤ Contaminant bags (04).
SPECIALIZED MEDICAL EQUIPMENT		
25	PATIENT MONITOR (Panel-A Certified)	<ul style="list-style-type: none">• Will be shock proof & water proof• 6 - 8-inch color TFT screen.• Parameters: ECG, SPO2, NIBP, HR, TEMP, RESP should be 7 waveforms• Built-in rechargeable battery with 6-hour operating time• 720 hours trend data analysis.• Compact design convenient for mobile monitoring• Car charger should be included.• Should include adult. Peads & Neonate accessories for all parameters.• Networkable with central monitoring system• Should be impact and water resistant
26	AED (Panel-A Certified) DEFIBRILLATOR (AUTOMATED EXTERNAL DEFIBRILLATOR)	<ul style="list-style-type: none">• The AED must give audio and visual prompts like 'push harder' and 'good comp• Ressions' to guide during CPR. (FDA/ CE Certified)• The AED should be biphasic with maximum energy• Automatic Pre-programmed selection (120j, 150j, 200j)• The AED should have consumer lithium batteries with five year shelf-life• Which are readily available at local retail outlets and must not be defibrillator• Manufacturer dependent. The AED electrodes should be preferably reusable.
27	GLUCOMETER	<ul style="list-style-type: none">• Glucometer With 50 Strip
28	PORTABLE SUCTION UNIT	A rechargeable battery-operated portable suction device having free of maintenance vacuum pumps, autoclavable containers equipped with an anti-overflow valve and very effective closure system, internally protected by a techno-polymer body easy to clean, maximum vacuum 600 MMHG, 23 L/min, bacteria filter, silicon & PVC tube, a special holding bracket and suction catheter.
29	ULTRASONIC NEBULIZER (Panel-A Certified)	Ultrasonic nebulizer with rechargeable battery. <ul style="list-style-type: none">• For the treatment of the upper and lower respiratory tract• For use in colds, asthma, respiratory disease• Can be disinfected



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SR.	ITEM NAME	DESCRIPTION
		<ul style="list-style-type: none">• High nebulization capacity (>0.4 ml/min) - short inhalation time• High proportion of respirable particles• State of the art medical technology: nebulization through high-frequent ultrasonic• Replacement medication container• Mains and battery operation• Automatic switch-off function after 10 min• Accessories: adult mask, children's mask, extension tube, rechargeable battery,• Power adapter, protective bag
30	RESCUE EQUIPMENT	<ol style="list-style-type: none">1. Two full body rescue harnesses with front loop for d ring near waist and back ring in between shoulder blades (en/ce certified)2. One figure of eight & two d-rings made of aluminium alloy (approx. 30kn) (EN/CE certified)3. Two static rappelling ropes with 11mm diameter, length 45m and minimum tenacity of 35 kn. (EN/CE certified).4. Rope rollers for rope safety against sharp edges.5. Four leather repelling gloves.6. One floatable safety rope 8 mm dia and 45 meter long (EN/CE certified)7. Two general purpose nylon ropes of 11mm and 20 meters length each.8. Two orange life jackets with reflecting tape for water rescue operations of 15-20 pounds bouncy with rescue 1122 printed on it on front and back.9. One safety boson's chair.10. One ss fire man axe with flat head insulated handle.11. One jumping sheet 12 x 12 feet stitched with high grade thread having 12mm thick nylon rope hand grips for 6 to 8 persons.12. One crow bar of 5 feet length, 30 mm dia and pointed & flat heads.13. Two multipurpose full-face reusable smoke masks stored in the separate cases.14. Two emergency rechargeable LED (of good quality) long range search lights with one-year warranty.15. Two emergency rechargeable LED torch (of good quality).16. Electric winch 3 Ton capacity installed at apocopate place
31	ADDITIONAL ACCESSORIES	<ol style="list-style-type: none">1. One portable Aluminum Oxygen cylinder of approx. Two liters capacity with flow-meter in carrying bag with re-filling valve.2. One BP apparatus with wall mounted large dial type 5/6" with adult & peads cuffs imported Panel-A Certified with stethoscope.3. Adjustable neck collars (adult & paediatric- one each), x-ray compatible, compatible with cat scan and mri investigation. 01 each. (Panel-A Certified & CE Certified)



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SR.	ITEM NAME	DESCRIPTION
		<ol style="list-style-type: none">4. One Mercury thermometer, ampule & syringe cutters.5. 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.6. Plastic urinals for male and female 01 each.7. Disposable gloves (100 pieces) 02 boxes, 10 disposable CPR mask & 2 tissue paper box.8. One multi-purpose tool made of hardened steel, light weight saw, can opener/grasper, bolt opener, ultra sharp trimmer knife, Oxygen bottle opener, angle cutter and scraper.9. One seat belt cutter with hard impact glass breaker.10. Collapsible safety cones with reflectors.11. Triage ribbons contained in a waist pouch with belt.
32	INTERCOM	An internal communication system will be developed between the driver and ambulatory cabins through intercom.
33	GENERAL ITEMS	Caution sign tape roll (03)
34	FIRE EXTINGUISHERS	6 kg dry Chemical Powder type to be placed in a special molded case.
35	TRASH BOX	Stainless steel with 6-8 liters capacity, attached to the floor and with plastic removable and washable inner lining.
36	OUTSIDE DESIGN	Reflecting tapes and words ambulance on front and rear sides, name of institution and rescue 1122 on back, right & left sides and roof of vehicle written with reflecting vinyl stickers (panel-a certified) as approved by institution.
37	EXTERNAL & INTERNAL LIGHTS & WARNING DEVICES	Special spoilers made of fiberglass material for front and rear roof top to accommodate emergency bar light and pa system with siren/hooter system of at least 150 watt output. All external and internal lighting should be LED's. Two led flood lights at least 25 Watts at the back and two on both sides. There should be 02 additional waterproof and weather resistant external surface mounted lights mounted on the left and right side of the ambulance. There should be adequate internal lighting for operation at night.
38	PATIENT DATABASE AND MONITORING SYSTEM	<ul style="list-style-type: none">• A tablet should be provided for smooth operations and communication.• Following features are also required for smooth operation of software and communication.• 4 G/ LTE connectivity• Vehicle GSM tracking• 360-degree panoramic IP camera mounted on the ceiling in the ambulatory compartment. It should have IR range of 8 meters and camera resolution up to 4 mega pixels. Ability to transmit vital signs of the patient to the control room or where required.• Tablet should have 4 G/ LTE connectivity, 8-10 inch touch panel display, rear camera 8 mega pixels and front camera 5 mega pixel, at least 4GB Ram and 16 GB storage.



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Technical Specifications

(Modified)

FIRE VEHICLE ON SINGLE CABIN 4X4 FABRICATION WITH EQUIPMENT & ACCESSORIES

SR	ITEM NAME	DESCRIPTION
01	Vehicle Chassis	Vehicle Type: 4x4 Single Cabin Engine: Diesel Turbo Charge Intercooler 2400cc - 3000cc Pay Load: 900 - 1500 KG
FABRICATION		
01	Cabin/ Crew Cabin and body Fabrication	<p>The Specifications for the Fabrication of Rear Cabin are as under:</p> <ul style="list-style-type: none">• Side lockers or suitable storage for standard accessories would be provided with proper marking.• Body work would be torsion free and corrosion resistant with Mild Steel structure of 1"x1" and 2"x1" minimum 16-gauge thickness/ 3 - 4 mm aluminum equal to 10 gauge where applicable.• All materials used for construction of the superstructure are completely new and free of defects.• The whole body to be treated and professionally painted to give the vehicle a high resistance against rust.• The roof and walking platforms would be covered with Aluminum checker plates of min 16 gauge/ thicknesses/ 3 - 4 mm aluminum equal to 10 gauge where applicable.• Ladder/ non-slippery steps for access to roof and necessary protection plates and hand rails would be provided.• A towing hook at the front and rear would be provided• The pump would be accessible for maintenance.• Spare wheel to be suitably fitted so that water from pump compartment would not drop on it.• Suitable storage boxes to accommodate suction hoses would be provided.• Suitable gantry system for two sections Extension Aluminum ladder would be provided.• All fabrication would be user friendly and with no sharp edges.• Both sides having 2-3 aluminum alloy anodized shutters spring loaded on one side with central lock system or individual lock with one common key on each side.• Fixed ladder at the back made of S/S pipe



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		<ul style="list-style-type: none">• Provision for storage of all under mentioned equipment with proper marking / label and or storage provision.• Proper fittings will be provided for the equipment.• Partition wall will be covered with Aluminium chequer sheet of suitable gauge.
	WATER TANK	<ul style="list-style-type: none">• Capacity : Minimum 500 - 1000 liters capacity• Material : Stainless steel/ iron alloy/ Polypropylene.• Thickness : Minimum 3 - 4 mm.• Suspension : Torsion free mounted on heavy duty neoprene bearing pads.• Baffle Plates : Suitable numbers of removable baffle walls.• Level indicator: Glass tube level indicator• Manhole: 500mm dia will be provided• Level Indicator: Glass tube visual level indicator.• A drainpipe of 2.5" dia will be provided at the bottom of the tank• An overflow pipe of 2" will be fitted
	Foam Tank	<ul style="list-style-type: none">• Capacity: 100 Litres• Material. : Stainless steel/ iron alloy/ Polypropylene suitable for all commercial synthetic and protein foam compounds, easily accessible for filling and maintenance.• Level Indicator: Glass tube visual level indicator.• Fitting: All piping would be of stainless steel (SCHEDULE 40)
	Water Pump	<p>Ultra-high-Pressure System (UHPS) imported (Panel-A certified)</p> <ul style="list-style-type: none">• Performance: 35 - 45 LPM at max 90 - 110 Bar (up 15 Meter Head)• Inlet and outlet Hose Reel: 5/8 inches• Engine Type 3 - 4 cylinders
	FOAM PROPORTIONING SYSTEM	<ul style="list-style-type: none">• Material: Gun metal/ stainless steel• Admixing Ratio: 1,3, & 6%• Control: Manual• Location: Around the pump at suitable position
	Water/Foam Monitor	<ul style="list-style-type: none">• Stainless steel water/ foam monitor fitted on the top of vehicle• Rotation 360 degree• Elevation +70 - 15 degree• Adjustable nozzle 35 - 45 LPM with the throw range of 10 - 15 meter at 90 - 110 bar (imported Panel-A certified).• Monitor branches would be interchangeable with instantaneous coupling.



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Electrical Installations	<ul style="list-style-type: none">All emergency lightings, internal and external lighting with PA system would be operated on 12V.All lights mentioned above would-be high-quality LED lights.All electrical wiring would be of wiring harness system with no joint and taping having all connector system.One control panel for 24V in driver cabin50 Watt flood lights would be installed.
Warning Bar light and PA system	<ul style="list-style-type: none">Main high quality LED warning light in red and blue colour latest model Square Thin, installed on special spoiler on roof top of front cabin.There would be warning lights in red and blue colour all around the vehicle, especially in front grill and on the back of the cabin (<i>Minimum 15-20 Led (Red And blue) lights each all around the vehicle</i>)Every compartment would have separate LED lighting of white colour.One PA system 150W output electronic siren with speaker and microphone.
Hose Reel with Nozzle	5/8 inches dia 50 - 60 meter high pressure hose reel located at the rear of the vehicle with nozzle of high quality kink-free and abrasion resistant (Imported).

EQUIPMENT & ACCESSORIES

Sr no	ITEM NAME	DESCRIPTION	QTY
1	First Aid Box	<ul style="list-style-type: none">One First Aid kit suitable for 25 person will be provided.	1
2	Suction Wrenches	Suction Wrenches would be provided in the storages compartments. (Local Made)	02 No's
3	Extension Ladder	10 -12 feet Light Alloy (2 Sections) Extension portable ladder meeting NFPA testing criteria certified by ladder manufacturer	01 No's
4	search light	High intensity search light (2 in front 2 at rear) rust proof of high quality (Imported).	02 No's
5	Copper Strainer (Local)	Imported made cooper Strainer will be provided.	01 No's
6	Jet Nozzle	Jet Nozzle will be provided	2 No's
7	Strainer	One basket strainer is provided.	1 No's
8	Delivery Hose Reel	Inside, outside rubber embedded delivery Rubber Hose of 5/8 inches and 50 - 60 meter with minimum 90 - 110 bar working pressure with aluminum coupling, kink-free and abrasion resistant (Imported).	3 No's
09	Safety helmets	Safety helmets will be provided	4 No's



GOVERNMENT
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PAKHTUNKHWA

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10	Fire Man Axe	Fire Man Axe with insulated handle (Imported)	2 no's
11	Fire Blankets	Fire blankets will be provided	4 No's
12	Fire Extinguisher DCP	<ul style="list-style-type: none">• 6 KG DCP Fire Extinguisher	1 No's
13	Fire Extinguisher CO2	<ul style="list-style-type: none">• 5 kg Co2 cylinder will be provided	1 No's
14	Shovel	<ul style="list-style-type: none">• Shovel will be provided	4 No's
15	Crow bar	<ul style="list-style-type: none">• One crow bar will be provided	1 No's
16	Fire Gloves	<ul style="list-style-type: none">• Best quality Fire Gloves (are provided on the suitable place of vehicle)	04 Pair's
17	Fire turn out gear imported	Fire turn out gear (Nomex) will be provided with fire safety shoes	04 Units



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Annex-B

List of Committee Members:

- | | |
|-------------------------|--------------------------------|
| 1. Mr. Nasir Khan | Director Planning |
| 2. Mr. Badar Ul Islam | Deputy Director PMU KITE C & W |
| 3. Dr. Shoaib | Deputy Director (Ops) |
| 4. Mr. Naeem Khan | Procurement Expert PMU KITE |
| 5. Mr. Irfan Ullah | Procurement Officer |
| 6. Mr. Uzair Maqsood | Architect PMU KITE |
| 7. Mr. Roied Ullah Khan | Section Officer Tourism |

List of Firms/Supplier/Companies Participants:

- | | | | |
|----|-----------------------|---------------------------|-----------------------------------|
| 1 | Mr. Furqan ur Rehman | Area manager | Ahmad Medix |
| 2 | Mr. M. Nawaz | Coordinator | A.Tech international |
| 3 | Mr. Nasrullah khan | Managing Director | S.K construction
Eng.: Co |
| 4 | Mr. Quaid Jamil | Regional Manager | Ghandhara
Industries |
| 5 | Mr. M. Asif khan | Regional Manager | Meraj LTD |
| 6 | Mr. Omar Nazar | Sr. Manager sales | Global
Technologies |
| 7 | Mr. M. Ghufraan | Manager Sales | Rikaus
International |
| 8 | Mr. Hafazat Imranhead | Head Business Development | Multiline Enterprise |
| 9 | Mr. Alam Zaib | Sr. Manager Marketing | Razmak
Razmak Industries Marks |
| 10 | Mr. Mohsin Ali khan | Director | CHIL |
| 11 | Mr. Farrukh Sair | GM | RIE, Islamabad |
| 12 | Mr. CH. Waqar Haider | Executive | Iman Group |
| 13 | Mr. Saif ul Islam | Deputy manager | Toyota Frontier
Motors |

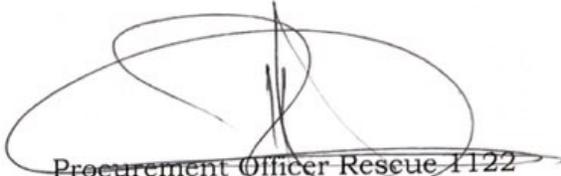


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Procurement Expert PMU KITE DoT

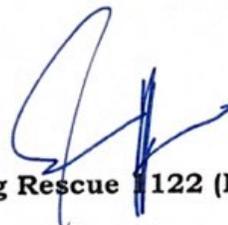

Procurement Officer Rescue 1122
(HQ), Peshawar


Representative of Sports and Tourism
Department Khbyer Pakhtunkhwa


Architect PMU KITE DoT


Technical Expert PMU KITE (C&W)


Technical Co-Opted Member


Director Planning Rescue 1122 (HQ) Peshawar
(Chairman)

