

१. बाढी, डुवान सम्बद्ध खोज तथा उद्धार सामाग्रीहरु

SN	Items	Specification
१	Rescue Raft	<p>(a) Raft Specifications:</p> <ul style="list-style-type: none"> ➤ Length:(16 to 17) feet ➤ Width:(7 to 7.7) feet ➤ Weight :(170 to 188) lbs. ➤ Frame Width:(66 to 72) inch ➤ Frame Length:(85 to 96) inch ➤ Tube Diameter: (20 to 22) inch ➤ Thwart System: Min. 4 Removable (Batten Attachment Thwart system) ➤ Thwart Diameter: (12to 14) inch ➤ Center Compartment: Width (43 to 48) inch ➤ Kick\Rocker (Bow\Stern): (30to 32) inch ➤ Number of Air Chambers: Min.9 ➤ Valve Type: Lea field C-7 & Pressure Relief ➤ Weight/Denier of Tube Fabric: 48/1670 – 50/1672 ➤ Weight/Denier of Floor Fabric: 48/1670-50/1672 ➤ Number of D-Rings: Min. 14 ➤ Number of Handles: Min.8 ➤ Material: Heavy-duty Hypalon, 100% Pennel Orca material ➤ Color: Red/Orange ➤ Self-Bailing system floor <p>Minimum Ten-year guaranty with fabric of raft</p> <p>(b) Accessories (in each raft)</p> <ul style="list-style-type: none"> ➤ Boat Bag ➤ Boat Repair kit Includes- (5 set in each raft)

		<ul style="list-style-type: none"> • Plastic Container • Patching Piece- 2 roll • Valve -2 • Valve cover -2 • Dendrite- 1 liter • Hardener- 1liter • Rubbing Stake Folder- 2 • Roller (1 small, 1 big) • Emergency Tear Aid Patch- 2 • Alcohol Patch- 2 • Pump valve Nozzle- 2 • Key-2 ➤ Life line ➤ Lifting handle ➤ Super D-ring (4 units extra in each set) <p>Drain plug (Pressure Release Valve) set 8 extras</p> <p>(c) <u>Other Requirements</u></p> <ul style="list-style-type: none"> ➤ Certified and Tested document ➤ Guaranty Certificate document of company ➤ Raft repairing and maintenance practical five days training for thirty personnel with all necessary logistic management ➤ Color: Orange/Red <p>Luminous Print “OF ORGANIZATION” on boat (both side, front and back side)</p>
2	Paddle Per Boat	<p>(d) Outfitter Paddle (Twelve set in each raft)</p> <ul style="list-style-type: none"> ➤ Grip: T-grip ➤ Total length: (58 to 60) inch ➤ Blade Size: Width (7.5 to 8) inch, Length (20 to 22) inch ➤ Blade Shape: Symmetrical ➤ Blade Material: Xenoy ➤ Shaft Material- Polypropylene -covered aluminum ➤ Shaft Shape: Straight ➤ Breakdown: No

		<ul style="list-style-type: none"> ➤ Weight: (1000 to 1080) g ➤ Minimum three-year guaranty
		<p>(e) Command (Guide)Paddle (Two set in each raft)</p> <ul style="list-style-type: none"> ➤ Grip: T-grip ➤ Total length: (64 to 66) Inch ➤ Blade Size: Width (7.5 to 8) inch, Length (25-27) inch ➤ Blade Shape: Symmetrical ➤ Blade Material: Xenoy ➤ Shaft Material: Polypropylene-covered aluminum ➤ Shaft Shape: Straight ➤ Breakdown: No ➤ Weight: (1300- 1400) gram <p>➤ Minimum three-year guaranty</p>
3	Barrel Pump (two set in each raft)	<ul style="list-style-type: none"> ➤ Action- inflate ➤ Ump dimension- Min. Diameter 6-inch, Min. Length 24 inch ➤ Volume per stroke- (2 - 2.03) gal. ➤ Hose length- (6.5 to 7) feet ➤ Weight-(11 – 13) lbs. ➤ Features- wide base and carry handle Made of heavy-duty PVC, Foam O-ring seal <p>➤ Minimum ten-year guaranty</p>
4	Rescue Throw Bag	<ul style="list-style-type: none"> ➤ Weight: Max. 2 lb 4 oz ➤ Rope Length: Min. 75' ➤ Rope Material: Polypropylene yellow for high visibility. ➤ Rope Diameter: Min. 3/8" ➤ Load Max: 1900 lbs. (8.45 kN) ➤ Features: Mesh on top of bag for quicker drying, Webbing loop for glow stick ➤ Rugged Cordura Bag with two high visibility colors. ➤ 2" mesh panel for drainage

		<ul style="list-style-type: none"> ➤ An elastic loop and 'pocket' with a glow stick or "chem light" ➤ Certified and Tested document ➤ Guaranty Certificate document of company ➤
4	Back Board	<ul style="list-style-type: none"> ➤ Lightweight, foam-filled polyethylene backboard with a smooth surface for easy patient transfer. ➤ Runners allow easier access to the handholds for raising and lowering the board. ➤ Compatible with most head immobilization devices. ➤ Can be worn during x-ray procedures. ➤ Suitable for water rescues. ➤ Includes 21 pins for use with speed clip restraining straps. ➤ Capacity: Min. 273 kg (600 lbs) ➤ Dimensions: 45.1 x 185 x 5.7 cm (17-3/4" x 72-3/4" x 2-1/4"); ➤ Weight: Max. 7.3 kg (16 lbs) ➤ Included Restraint Straps w/Swivel Speed Clip & Automotive-Type Buckle <ul style="list-style-type: none"> • Four-piece restraint straps made of 5.1 cm (2") nylon webbing with a quick-release push button buckle (automobile-type) and metal swivel speed clip • For use with spinal backboard with pins • Dimensions: 5.1 x 152.4 cm (2" x 5') ➤ Included Universal Foot Immobilizer w/Straps ➤ Included Universal Head Immobilizer w/Straps <ul style="list-style-type: none"> • Immobilization device for use with an extrication collar when head or neck injuries are suspected • Features include: side blocks with wide fast-stick closures for a snug fit and up to 50% more support surface; ear holes to monitor bleeding and fluid drainage; 2 head/chin straps • Positions on a spinal backboard with mounting straps • No metal components - can be worn during x-rays, MRI and CT scan procedures • Waterproof and buoyant - can be used for water rescues • Lightweight and easy to use; can be disinfected for reuse • Weight: Max. 0.9 kg (2.1 lbs) ➤ Included Extrication Collar - Adjustable Sizes

		<ul style="list-style-type: none"> • Features comprehensive sizing system and application for a perfect fit on patients, ranging from neckless (size 3) to tall (size 6) • Rigid one-piece construction - no assembly required • Radiolucent, CT and MRI compatible • No post to break • Extra-large trachea opening • Flip chin piece allows for intubations and airway management • Large genuine Velcro closures • Folds completely flat for storage <ul style="list-style-type: none"> ➤ Minimum five-year warranty ➤ Certified and Tested document
ε	Carabineer (Screw lock)	<ul style="list-style-type: none"> ➤ Guaranty Certificate document of company ➤ Shape: D- shape/oval-shape ➤ Weight: Max. 270 g. ➤ Gate Opening: (20 to 30) mm ➤ Vertical(major) axis strength: Min. 40 KN ➤ Horizontal (Minor) axis strength: (15-17) KN ➤ Open gate strength: Min. 11 KN ➤ Screw Lock ➤ Material: Aluminum Alloy/ Steel ➤ Certification(s): CE EN 362, EAC, NFPA ➤ Minimum five-years guaranty ➤ Certified and Tested document ➤ Guaranty Certificate document of company
	Figure 8 Carabineer	<ul style="list-style-type: none"> ➤ Strength: Min. 30 KN ➤ Rope diameter compatibility:(7.5 to 13) mm ➤ Weight: Max. 106 g. ➤ Material: Aluminum Alloy/ Steel ➤ Certification(s): CE EN, EAC, NFPA ➤ Minimum five-year guaranty

		<ul style="list-style-type: none"> ➤ Certified and Tested document ➤ Guaranty Certificate document of company ➤
6	500 mm petrol Chain Saw	<ul style="list-style-type: none"> ➤ Engine Displacement (cu.in. /cc): Min. 4.8 cu.in. (78.5 cc) ➤ Power Rating: Min. 5.7 HP/4.3 kW ➤ Max. Engine Speed: Min. 12,800 RPM ➤ Chain Saw Configuration: Powerhead only ➤ Pitch: Min. 3/8" ➤ Fuel Mixture: 50:1 ➤ Fuel Tank Capacity: Min. 25.4 oz. ➤ Oil Tank Capacity: Min. 14.2 oz. ➤ Net Weight (w/o bar & chain): Max. 14.7 lbs. ➤ User Type: Professional ➤ Chain Saw Feature: Heavy duty air filter ➤ Power Type: 2-stroke gas ➤ Chain Selection: Min. 3/8" x .050 ➤ Weight: Max. 18.5 lbs. ➤ Guide Bar: 20" ➤ Chain cover ➤ 20" Saw Chain 5 set in each set of equipment ➤ Tools kit set ➤ In each set of equipment Sparking Plug and filter set five/five pcs same model and brand as in chain saw set ➤ Heavy-duty air filter system ➤ Easy-starting automatic half throttle lock ➤ Chain compartment ➤ Two-point durable inertia/mechanical chain brake ➤ Decompression valve ➤ Lateral chain tensioning ➤ Large metal spike bar ➤ Minimum Five years guaranty ➤ Certified and Tested document

		<ul style="list-style-type: none"> ➤ Guaranty Certificate document of company
↙	Static Rope	<ul style="list-style-type: none"> ➤ Diameter: (11 to 13) mm ➤ Elongation 50/150 Kg.: 2.9% min. ➤ Weight: 70- 95 grams per meter ➤ Static Strength: Min. 38 KN ➤ Protected in use against mechanical damages (abrasion, cutting, chafing, etc.) ➤ Sheath slippage: 0 % ➤ Breaking load: 35kN min. ➤ Sheath: (38 – 43) % ➤ Weight of the core: 57% min. ➤ Shrinkage H2O: (3 -4) % ➤ Length: 100 m. per coil ➤ Material: PA (Polyamide) ➤ Certification: NFPA, EN, NFPA, UIAA ➤ Manufacture date not before 2018 ➤ Minimum Five Years Guaranty ➤ Certified and Tested document ➤ Guaranty Certificate document of company ➤
	Dynamic Rope	<ul style="list-style-type: none"> ➤ Diameter: (11 to 13) mm ➤ Static Elongation: 7.5% min. ➤ Static Elongation: 31% min ➤ Weight: (70- 85)grms per meter ➤ Breaking load: 40 kN min. ➤ Impact Force: 7.9KN Minimum ➤ Protected in use against mechanical damages (abrasion, cutting, chafing, etc.) ➤ Sheath slippage: 0 % ➤ Length: 100 m. per coil ➤ Material: PA (Polyamide) ➤ Certification: NFPA, EN, NFPA, UIAA ➤ Minimum Five Years Guaranty ➤ Manufacture date not before 2018

	<ul style="list-style-type: none"> ➤ Certified and Tested document ➤ Guaranty Certificate document of company ➤
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२. आगलागी नियन्त्रण सम्बद्ध खोज तथा उद्धार सामग्रीहरू

. Fire Fighting Suit

(a) Fire Fighting Jacket

- Size: (86 to 94) cm chest wide
- Body height: (164 to 172) cm
- Outer fabric materials: NOMEX Tough, approx. 195 g/m³
- Moisture barriers liner water and windproof, breathable
- Safety thermal lining with insulating layer in a 100% aramid nonwoven and aramid/ viscose quilting, approx. 270 g/m³
- Arm and jacket with moisture blocker made of flame retardant PU coated aramid
- Sleeve construction with mobility wedge
- Additional reinforcement at elbows and shoulders made of silicone coated paraaramid fabric
- Flame protection Collar
- Sleeve width with adjustable to hook and pile fastener
- Sleeve with NOMEX knitted wristlet with thumb hole
- Radio pocket both side
- Two side Pocket with flap
- Lamp holder on front cover
- Adjusting Cord around waist
- Loops at shoulders patches
- (15 x 2.5) cm fleece strip for attaching name strip above left radio pocket
- 5 cm wide silver and Two 1.5 cm wide orange reflective stripes around torso and both sleeve
- Backside length: (85 to 90) cm
- Color: Dark Blue
- Weight: (2 to 2.5) kg
- Certification: EN 469

- Minimum ten-year guaranty
- Luminous Print APF back side of jacket

(b) Fire Fighting Trousers

- Size: (82 to 84) cm Waist
- Body height:(164 to 172) cm
- Certification: EN 469
- Outer fabric: NOMEX
- Trouser with adjustable, non-detachable approx. 5 cm wide suspenders
- Adjustable elastic straps for fixing with waist band individually
- Fly with zipper and hook and pile fastener, covered by flap
- Two side pockets with flap
- Trousers with moisture blocker of flame retardant PU coated aramid
- Reinforcement at the knees, on the cuffs and interior seams of pants made of flame retardant silicon-carbon coated paraaramid fabric
- Fix mounted padding under the knee protection
- 5 cm wide silver and two 1.5 cm wide orange reflective strips around legs
- Weight: (1.5 to 1.8) kg
- Color: Dark Blue
- Minimum ten-year guaranty

(c) Helmet(following must be in each set)

- Certification: EN443, PR EN 16471/3, ISO 16073
- Helmet type: Full shell
- Size adjustment form outside
- Size:(51 to 65) cm
- Face Shield: As per EN 14458
- Eye Protection visor
- Neck protector
- Mask adaptor with spring clamp
- All around neck protector
- Edge protector with leather chin guard

- Integrated torch holder,
- Helmet Torch System: LED explosion proof with AAA batteries with Holster
- Integrated mask adaptor
- Radio headset
- Comfort Padding chin strap
- Leather lining
- Heat radiation: Min. 8 minutes, 14 KW/m² ≥ 300°C helmet temp.
- Cleaning spray: 5 per set
- Shock absorption: Hemispherical striker, 5 kg foam a height of 2.5 m, in heated condition > 300°C helmet temp., Force transmitted to heat < 15 KN
- Penetration resistance: Flat blade striker, 1kg foam height of 2 m, in heated condition > 300°C helmet temp.
- Flame engulfment: 1000 °C/10 sec, no after burning >5 sec, no dripping
- Helmet carrying bag
- Color: Orange/Red/Yellow
- Luminous Print APF on two side of helmet
- Minimum ten-year guaranty

(d) Fire-fighting gloves

- Certification: EN 659, Gore-Tex X-TRAFIT technology
- Flame side: silicon carbon mineral coated
- NOMEX KEVLAR double face fabric
- Flexible wristlet adjustment
- Pleats on the finger
- Adjustable hook and pile fastening
- Polyurethane protector on hands' back with heat insulation
- Cuff with reflective stripes
- Abrasion, Cut, Tear, Puncture resistant EN 388
- Heat resistant EN 367 ISO 6942
- Contact heat resistant EN 702
- Shrinkage ISO 17493
- Dexterity EN 420
- Water permeability EN ISO 20344
- Fluid permeability ISO 15383

- Chemical permeability EN 368
- Color: Dark blue
- Minimum ten-year guaranty

(e) Fire-fighting Boot

- Certification: EN 15090
- Ankle protector
- Hydrophobic waterproof leather
- Lined with Sympatex climate membrane
- High grade laminate lining with foamed material, highly abrasion resistance
- 3M reflective material, silver made of heat-retardant material
- Ankle-Zone stiffening
- Joint supportive leather heel insert
- Steel toe cap and steel midsole
- Leather insole
- Nitrile outsole
- Rubber toe cap
- BOA lacing system
- Reflex-element as sight able areas
- Extreme low weight
- Size: (41 to 43) cmEU
- Height: 28 cm approx.
- Weight: 2.7 kg max. (1 pair)
- Replacement coiler and lace: 2/2 per pairs
- Minimum ten-year guaranty

(f) Motor Pump

- Engine: 4 stroke gasoline
- Connection: minimum two tools
- Operation: Two tools min.
- Turbo function
- Power: Min. 4.2 KW
- Electric starter
- Max. operating pressure: 700 bars
- Flow rate, low presser- high pressure: 2 x 3.1 – 2 x 0.9 l/min
- Flow rate turbo, low pressure- high pressure: 1 x 6.05- 1 x 1.7 l/min
- Oil quantity: Min. (4.8to 5) ltr.
- Dimension: Max. (485 x 440 x 445) mm, (810 x 440 x 590) mm (with hose reel)
- Weight: Max. 42 kg, 80.5 kg (with hose reel)
- Hose length: Min. (2 x 20) m (with hose reel)
- Certification: EN 13204, NFPA 1936

(f) Fire Blanket

- Fire Blanket is 66" x 82"
- Dupont X-12 fire retardancy.
- Made of aramide

(g) Aluminum ladder /extension ladder 3 (section)

- rope pull with rope break
- 2 supports bars
- two spindles for leveling purpose
- wall rubber castle
- automatic ladder lock
- lifting capacity-324 kg
- length-14 mtr