

No. 17012/08/2013-Prov(S) 2037
भारत सरकार/Government of India
गृह मंत्रालय/Ministry of Home Affairs
पुलिस आधुनिकीकरण प्रभाग /Police Modernization Division
संभरण-1 डेस्क/Prov.I Desk

26, Man Singh Road, Jaisalmer House,
New Delhi, the 17th October, 2015.

To,

DsG : AR (through LOAR), BSF, CISF, CRPF, ITBP, SSB, NSG & BPR&D.

**Subject : QRs and Trial Directives for Skiing, Rafting & Still Water Equipments –
reg.**

The QRs and Trial Directives in respect of Skiing Equipments (34 items), Still Water Equipments (23 items) & Rafting Equipments (26 items) as per the Appendix-A, Appendix-B, Appendix-C & Appendix-D respectively have been accepted by the Competent Authority in MHA.

2. Henceforth, all the CAPFs should procure the above item required by them strictly as per laid down Technical Specifications/QRs.

3. Concerned CAPF will be accountable for correctness of the QRs/Trial Directives.

Yours faithfully,

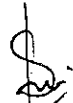


(M. N. Sukole)

Under Secretary (Prov-I)

Encl.: As above.

Copy to ✓ SO(IT), MHA : with the request to host the QRs and Trial Directives of Skiing, Rafting & Still Water Equipments on the website of MHA (under the page Organizational Set up-Police Modernization Division-Qualitative Requirements – Clothings), soft copy being sent through email.



(R K Soni)

Section Officer (Prov.I)


Copy to : DDG(Procurement), MHA.


PROPOSED QUALITATIVE REQUIREMENTS IN R/O SKIING, RAFTING AND WATER SPORTS EQUIPMENTS

(i) SKIING EQUIPMENTS

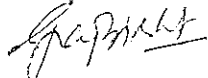
SNO	Name of equipment/ item	QRs/Specifications
1.	SKI RUNNER ALPINE	Length - 165 to 200 Cms Radius - 12 to 35 MM Construction - Fibro or Metal or Core-wood (As per FIS Standard)
2	SKI RUNNER NORDIC	Size - 172 to 190 Cms Side cut - 42 to 44 MM Weight per Pair - Maximum 02.36 Kgs Race profile - Speed Cell Core (As per FIS Standards)
3	SKI ADJUSTABLE BINDING SAFETY ALPINE	Adjustable Binding - Complete with Plate DIN Range - 3.5 to 12 Cms
4	SKI BINDING NORDIC	02 Axial with rigid link Rear Set Pivot point Full length guide ridge Bumper-less Step in system manual
5.	SKI SKIN	Made of 80 to 100% Mohair
6.	SKI WAX	Wax - Hot Wax Weight - 120 Gms (Maximum) Snow temperature - Minus 04 to Minus 12 Degree Celsius
7.	SKI BOOT ALPINE	Material Shell - Polyether Size - 24 to 31.5 Cms Buckle - Aergo Shape-3 made of Micro 100% Aluminium Velcro Strap - 40 to 45 MM Canting - Double
8.	HELMUT ALPINE	Size - M, L, XL, XXL Weight - Light Weight 300-400 gm Should be with Chin Guard attachment, Micrometric buckle and Breathable velvet padding liner and outer shell Polycarbonate.



(Mohd Ali Khan)
Asstt. Sub Insp (ITBP)
Technical Member



(Ramvir Singh)
Nb Sub (HSG)
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(Narayan Singh)
Insp (DISF)
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(Bhim Singh)
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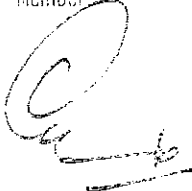

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AC (SSB)
Member


(S. K. Thakur)
Dy Comdt (AR)
Member


(Manish Barikala)
OC (CRPF)
Member



(H. C. Sunder Singh)
OC/WW (BSF)
Member



(Dr. M. M. Gosal)
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Member


(D. P. Yadav)
DIG (L&C) ITBP
Presiding Officer

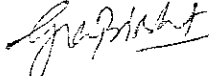
9.	SKI BOOT NORDIC	Size - As per requirement in European number 38 to 45 Lining - Polyester thermo adjustable fit. Weight - Not more than 1150 Gms Boot should be with Race Skate. Adjustable heel strap, Ratchet buckle, Heel foam liner & Micrometric closing system
10.	SKI STICK ALPINE	Shaft should be made of 100% air carbon material, light in weight, flexible. Race grip strap Basket - Small Size - 25 to 110 Cms Shaft Area - 14 MM to 17 MM
11	SKI STICK NORDIC	Aluminium Zycral Pole Performing and wind resistant Good seizure grip Small basket adapted to parks & pipes Size - 115 to 135 Cms
12	SKI DRESS NORDIC	i) Fabric Weight - 210 gms/m ² Fabric Content - PES-83% PU-17% PA-50% PES-39% EL-11% Finish Pocket, Hood Cuff, Adjustment Accessories. Stretch DWR-3L Membrane/Back 2 L Hand Pockets Fixed hood with cord Warm stretch cuffs elastic draw cord. Body mapping fabric zoning- reflective prints FIS ii) Fabric Weight - 150gm/Mtr sq Fabric content - Elastane-86% PU-14% Waist Key Features-Waist band with silicon & inside cord, Reflective piping and knee print-Body and mapping texture- Anatom
-	CAP NORDIC	100% Acrylic, soft and Cozy Full Fleece lining and stretchable
14	SKI STICK BASKET	Made of heavy duty PVC Suitable for all kinds of sticks


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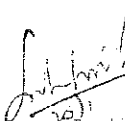

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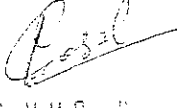

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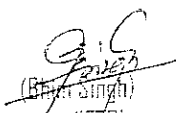

(B. P. Yadav)
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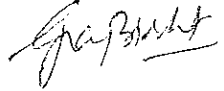
15	SKI WAX SCRAPER	Scraper for skis. Material-PVC
16	SKI GOGGLES	Anti fog treatment Double lenses. Lens ventilation system. Polarized photo-chromatic. 100% UV protection Scratchproof filter integrated into the lens material Infrared protection
17	SKI GOGGLES NORDIC	Comfortable fit with peripheral vision Double spherical or cylindrical lenses for fog & good conditions. Screen materials Polycarbonate Screen Type Double vented, cylindrical Screen protection Frame PU Foam Simple + fleece Strap Double adjustment Protection level 100% from UV
18	SKI TROUSER WIND PROOF REVERSIBLE	Size- S, M, L, XL, XXL 85 to 100% Polyester. Water Proof, wind proof. Mesh in side pocket, Waist elastic.
19	SKI JACKET WIND PROOF REVERSIBLE	Size- S, M, L, XL, XXL. Alpine fit. Made of Breathable fabric. Chest-high hand pockets accommodate a harness or pack. Helmet-compatible hood with single-pull adjustment system and extra beefy brim. Well watertight pockets and zips seal out moisture. Superlight, extra-long pit zips for ventilation. Interior zip pocket for keys, ID, other small items. Micro-chamois-lined chin guard
20	LEATHER GLOVES	Size - S, M, L, XL, XXL Tight fit Breathable. Long Cuff.
21	GLOVES ALPINE	Lining R-dry Body - Neoprene/Amara/Codura Palm - Goat skin-stretch Insulation - Soft Fiber Fill



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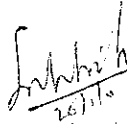

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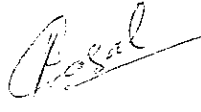

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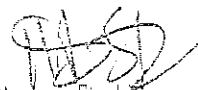

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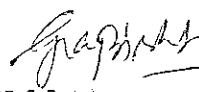
22	GLOVES NORDIC	Lining - Bemberg Body - Neoprene/amara Palm - Rubber Grip Insulation - Soft Fiber Fill Velcro Cuff Adjustment
23	WOOLLEN MITTEN	Size: S. M. L. XL, XXL 6 to 8 Ply Lamb wool. Long Cuff.
24	WOOLLEN JERSEY REVERSIBLE	Merino Wool. Size-S. M. L. XL. XXL Long Sleeve high Neck. Colour - (user to specify)
25	KNEE PAD	Impact resistant plastic with shin guards For maximum slalom gate protection Velcro strap closure Size - Small, Medium & Large.
26	HAND GUARD	High impact plastic guard Full hand guard fitting with 14 to 18 mm Ski Sticks
27	ELBOW GUARD	Constructed with EVA padded chassis Incorporating articulating polypropylene hard caps with Elastic
28	FLEXIBLE POLE	60 Cms soft and flexible polyurethane shafts for slalom training and kids races. All stubbies (poles) are built with a protective plastic collar at the base of the shaft that indicates correct gate setting depth in the piste. Screw base should be 15 to 30 Cms. red or blue colour.
29	Ski TIMER	The Bid ID Crystal Synchronization Ski Racing System/Brower Timing Systems. Portable, easy to set up system Wand and the Finish Beam get calibrated to the Time when powered on. Multiple power settings. Multiple programs allowing customize system as per training needs. TECHNICAL Radio Frequency- 433.425 MHz, 25Hz spacing Modulation Method- FM.FSK. 32 Channels Temperature Rating-Minus 20 degrees C


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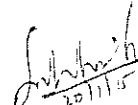

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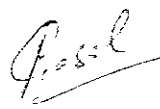

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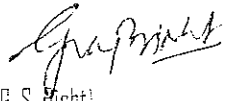
		Receiver Sensitivity- 18 dBm Transmitter Power- Low 10 mW, High 135 m W Power Source- Three AA alkaline batteries Transmission Distance- 5 miles (8km) lines of sight Memory Capacity- All Components store 255 skiers times CE Certified- CE0408! Weight- 5 lbs. (3 kg. Approx.)
30	STOP WATCH	Store 2000 splits and/or rtes in memory. Stores and recalls lap times and cumulative splits. Segmented memory allowing to store multiple races on workouts for later recall and save multiple races, pieces or workouts (store up to 2,000 segments). Count 1, 2 or 3 strokes, strides or cycles. View strokes per minute (1/2 stroke resolution) OR seconds per stroke (1/100 th second resolution) Automatic backlight activates in low light, turns on with every button press for 3 seconds. Button feedback is both tactile (click) and audible (beep). Built-in clock and calendar. Should be in protective rubber cover. Waterproof and float.
31	SKI STRETCHER	Made of highly strengthened AL- Alloy Material. Fashionable structure Light Weight (14 Kg Approx) convenient, handy under all circumstances Foldable
32	TROUSER ALPINE	Size- S, M, L, XL, XXL Omni-Heat Thermal insulated. 2-way comfort stretch. Vented Internal leg gaiter coated with nylon with anti slip elastic Waist adjustable tabs. Secret pocket. Removable cuff guard. Removable suspenders. Fabric content 85 to 100% Polyester + Breathable fabric Lining Breathable and Belt with loops


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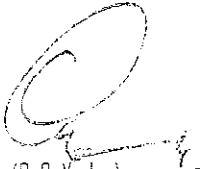

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DIG (L&C) ITBP
Presiding Officer


33	SKI JACKET ALPINE	Size- S, M, L, XL, XXL. Alpine fit. Made of Breathable fabric. Chest-high hand pockets accommodate a harness or pack. Helmet-compatible hood with single-pull adjustment system Welded watertight pockets and zips seal out moisture. Superlight, extra-long pit zips for ventilation. Interior zip pocket for keys, ID, other small items. Micro-chamois-lined chin guard
34	TROUSER NORDIC	Size- S, M, L, XL, XXL Fabric Weaves R-Wind/R-Ward stretch Fabric Weight 63 g/m sqr to 240 g/m sqr Fabric content 85 to 100% Polyester + Breathable fabric Finish Windproof-Mesh Adjustment elastic waist with anti-slip rubber Accessories Warm stretch-Reflective prints

TRIAL DIRECTIVES OF SKI CLOTHING & EQUIPMENTS


A board of Officers alongwith Technical member will check:-

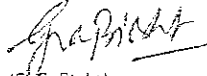
1. The outer parameters such as weight size, feel, finish and workman ship as per the specification/QRs.
2. A certificate from the firm concerned in respect of inner parameters and material will be required.
3. The trial on ground is not required.

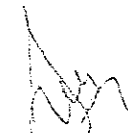

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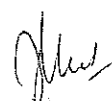

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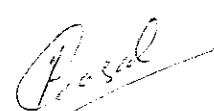

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 (Dr. M. M. Gosal)
 Dy SP (BARGO)
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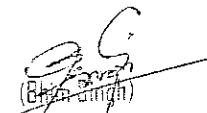
(ii) STILL WATER EQUIPMENTS


SNO	Name of Equipment/ item	QRs/Specifications
1.	KAYAK - K1	Size length-518 to 522 (preferably 520) Cms Weight 11.8 to 12.2 (preferably 12) Kgs. Constructed with Carbon fibreglass single skin laminate in hull and deck, sandwich moulding Machine-fibreglass, Carbon and Epoxy resin Vacuum infusion, Carbon seat Fitting-high grade aluminium duly anodized IKCA and ICF approved.
2.	KAYAK - K2	Size length - 648 to 652 (preferably 650) Cms Weight - 17.8 to 18.2 (preferably 18) Kgs Constructed with Carbon fibreglass single skin laminate in hull and deck, sandwich moulding Machine-fibreglass, Carbon and Epoxy resin Vacuum infusion, Carbon seat Fitting-high grade aluminium duly anodized IKCA and ICF approved.
3.	KAYAK - K4	Size length - 1080 to 1110 (preferably 1100) Cms Weight - 29.8 to 30.2 (preferably 30) Kgs Constructed with Carbon fibreglass single skin laminate in hull and deck, sandwich moulding Machine-fibreglass, carbon and Epoxy resin Vacuum infusion, Carbon seat Fitting-high grade aluminium duly anodized IKCA and ICF approved.
4	CANOE - C1	Size length - 518 to 522 (preferably 520) Cms Weight - 15 to 17 (preferably 16) Kgs Constructed with Carbon fibreglass single skin laminate in hull and deck, sandwich moulding Machine-fibreglass, carbon and Epoxy resin, Vacuum infusion, Carbon seat Fitting-high grade aluminium duly anodized IKCA and ICF approved.


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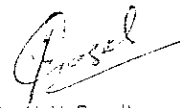

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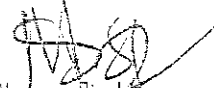

(Dr. M. M. Gosal)
Dy SP (BPR&D)
Member


(D. P. Yadav)
DIO (L&C) IT&P
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5.	CANOE - C2	Size length - 648 to 652 (preferably 650) Cms Weight - 19.8 to 20.2 (preferably 20) Kgs Constructed with fibreglass single skin laminate in hull and deck, sandwich moulding Machine-fibreglass, carbon and Epoxy resin, Vacuum infusion, Carbon seat., Fitting-high grade aluminium duly anodized IKCA and ICF Approved
6.	CANOE- C4	Size length -890 to 910 (preferably 900) Cms Weight - 29.8 to 30.2 (preferably 30) Kgs Constructed with fibreglass single skin laminate in hull and deck, sandwich moulding., Machine-fibre glass, carbon and Epoxy resin. Vacuum infusion, Carbon seat Fitting-high grade aluminium duly anodized IKCA and ICF Approved.
7.	SINGLE SCULL ROWING	Length- 25.4 to 25.8 (preferably 25.6) Inches Weight- 19.8 to 20.2 (preferably 20) Kgs Fibreglass single skin laminate in hull and deck, sandwich moulding, Material-fibreglass, carbon tape and Epoxy resin. Vacuum infusion, Foot stretcher-Marine grade plywood, adjustable system. Seat-Adjustable single action seat with carbon seat top. High quality rowing shoes, Carbon fibre ribs, oarlocks, High grade aluminium fin & nylon rudder, outstay rigger and rails duly anodized. Accessories-Bow ball, Number plate. RFI Approved
8.	DOUBLE SCULL ROWING	Length- 31.10 to 32.2 (preferably 32) Inches Weight - 35.8 to 36.2 (preferably 36) Kgs Fibreglass single skin laminate in hull and deck, sandwich moulding, Material-fibreglass, carbon tape and Epoxy resin. Vacuum infusion, Foot stretcher-Marine grade plywood, adjustable system. Seat-Adjustable single action seat with carbon seat top. High quality rowing shoes, Carbon fibre ribs, oarlocks, High grade aluminium fin and nylon rudder, High grade aluminium outstay rigger, rails duly anodized. Accessories-Bow ball, Number plate. RFI Approved.


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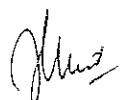

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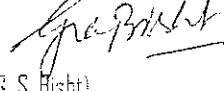
9.	COXLESS PAIR	Length - 31.10 to 32.2 (preferably 32) Inches Weight - 33.8 to 34.2 (preferably 34) Kgs Specification : Fibreglass single skin laminate in hull & deck, sandwich moulding. Material-fibreglass, carbon tape and Epoxy resin, Vacuum infusion. Foot stretcher-Marine grade plywood, adjustable system. Seat-Adjustable single action seat with carbon seat top, High quality rowing shoes, Carbon fibre ribs, oarlocks, High grade aluminium fin and nylon rudder, outstay rigger, rails duly anodized. Accessories-Bow ball, Number plate. RFI Approved.
10.	COXLESS FOUR	Length - 40.11 to 41.1 (preferably 41) Inches, Weight - 64.8 to 65.2 (preferably 65) Kgs Specification: Fibreglass single skin laminate in hull and deck, sandwich moulding, Material-fibreglass, carbon tape and Epoxy resin, Vacuum infusion. Foot stretcher-Marin grade plywood, adjustable system. Seat-Adjustable single action seat with carbon seat top. High quality rowing shoes, Carbon fibre ribs, oarlocks, High grade aluminium fin and nylon rudder, outstay rigger, rails duly anodized. Accessories-Bow ball, Number plate. RFI Approved.
11.	KAYAK PADDLE	Blade Specs - Carbon fibre, symmetrical/slightly spooned. 18 inches 'L' X 8 inch 'W'. Shaft Specs: Coated high-strength airplane grade aluminium. 1 piece.. Straight, size-as per requirement Paddle Weight: Max 44 oz/2.75 Lbs/ 1.25 kgs ICF approved.
12.	CANOE PADDLE	High-value performance canoe paddle Blade shape designed for long trips and heavy use. The dual-tapered Douglas fir shaft Carbon fibres edges and fibreglass skin The comfortable T-grip handles providing excellent blade control. Blade Length : 20 Inches, Weight : 19 oz/ 1.18 lbs/0.53 kg.


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Asstt. Sub Insp (ITBP)
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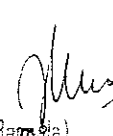

(Ramvir Singh)
Nt Sub (MSG)
Member


(Mahaveen Singh)
Insp (GISF)
Member

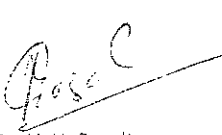

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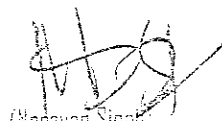

(Dr. M. M. Gosal)
Dy SP (BPR&D)
Member



(D. P. Yadav)
DIG (LSC) ITBP
Presiding Officer


13.	ROWING PADDLE	SCULL:- Sharp tip of the water at entry. Heavy load in first 1/3 of drive and light load through last 1/3 of drive. "Stiff" shaft Surface Area- 857 sq cm. Length of blade- 45 cm. Width at tip- 16.5 cm. Width at broadest point-23 cm.
14.	COXLESS PADDLE	SWEEP- Sharp grip of the water at entry. Heavy load in first 1/3 of drive "Stiff" shaft.. surface Area -1212 sq cm Length of blade- 55 cm, Width at tip- 19 cm Width at broadest point- 26.5 cm.
15.	KNEE PAD	12" long, 10" wide, 1/2" thick Closed Mini-cell Foam Self-adhesive
16.	KAYAK STAND STOOL	Top made of canvas Frame made of steel Foldable, 2ftX2ft, height of legs-2ft
17.	ROWING STAND STOOL	Top made canvas Frame made of steel Foldable. 2ft X 2ft, height of legs-2ft
18.	ERGO METER INDOOR EXERCISE ROWING MACHINE	Flywheel design:- Minimizes noise. maximizes smooth feel of rowing on the water. Easy spiral damper controls feel of each pull. Ergonomic handle promotes natural arm and hand position. Aluminium rail capped with a stainless-steel track for smooth movement of the seat. Adjustable monitor arm for compact storage. Flex foot footrests adjust for quick and easy sizing indoor rower separates easily into two parts for transport and storage. Caster wheels make it mobile. Indoor rowers with PM4 with a rechargeable battery pack and Garmin chest belt for hear rate monitoring. Length-8 ft, Width- 24 Inch, Seat Height-14 Inch, Weight of Machine- 57 lbs/25.82 kgs, Space Recommended for use- 9ftX4ft, Stored Dimensions- 25X33X53inches, Maximum user weight- 500 lbs/227 kgs.


(Mohd Ali Khan)
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Nt Sub (NSG)
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(Nareyan Singh)
Insp (DISF)
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(Bhuvan Singh)
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Member


(Manish Barwala)
DC (CRPF)
Member



(N. C. Sunder Singh)
DC/WW (BSF)
Member

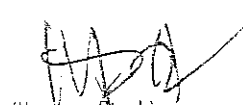

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Dy SP (SPRSD)
Member



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19.	MOTOR BOAT WITH ENGINE	<p>Length : 15ft 6 Inch to 16 ft Inside length : 10 ft to 11ft Width: 7ft to 7ft 6 inch, tube dia: 22 inch. Number of chambers : 8, payload : 1000-1200 kgs. Passenger capacity upto 10 persons. Weight should be 100-120 kgs. Suitable for 25-40 hp engine</p> <p><u>Standard features</u> <u>ABS</u> transom with splash guard floorboard All around rope lacing for a secure grip Stainless steel D-rings for easy towing Flexible nylon lifting handles. Front bow handle, Oar holders Rub strake going all around hull and keel. Standard Equipments Aluminium edged, Aluminium stringers, Two carrying bags Bellow pump, repair kit, Towing rope. Fibre glass oars 25-40 hp 4 Stroke Engine (As Per Requirement)</p>
20.	ALUMINIUM JETTY	<p>Revolutionary designed Air dock, durable, versatile stable platform Suitable of a multitude of uses. Provision of fastening to the stern of a yacht to expand boat deck or tie several other airdocks to create a floating community. Length overall- 7 ft 8 Inch, Width Overall- 7 ft 8 Inch. Tube diameter- 8 Inch, no. of chamber-1, weight 22 kg, main tube fabric-200 mm thickness drop stitch fabric, heavy duty 5 layer coated fabric, stainless steel during, rope handles</p>
21.	INDOOR EXERCISE KAYAKING MACHINE	<p>All model components are on glider bearings. Frame of the unit made of high quality steel. Cables that attach the paddles to the unit should be composed of highly tested material that sustains high pressure. Adjustable footrest 4kg/9 Lbs cast iron wheel, Nylon adjustable belt Dimensions: Inches 12X12X70/Centimetres 35X35X173. Weight : 14 kg/30 Lbs. Required working area : inner area 4 inchX6 inch, outer area 1.2 m X 1.8 m.</p>

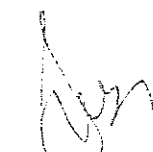

 (Mohd Ali Khan)
 Asstt. Sub Insp (ITBP)
 Technical Member



 (Ramvir Singh)
 Wb Sub (HSE)
 Member

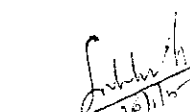

 (Nandyan Singh)
 Insp (CISF)
 Member



 (Bhim Singh)
 Insp (ITBP)
 Technical Member

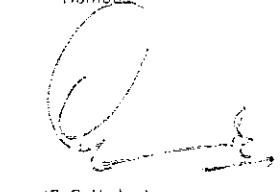

 (G. S. Bisht)
 AC (SSB)
 Member


 (S. K. Thakur)
 Dy Comdt (AR)
 Member


 (Manish Bamba)
 DC (CRPF)
 Member


 (N. C. Sunder Singh)
 DC/WW (BSF)
 Member


 (Dr. M. M. Gosal)
 Dy SP (BPRSO)
 Member


 (D. P. Yadav)
 DIG (L&C) ITBP
 Presiding Officer


22.	STOP WATCH	Stores 2000 splits and/ or rates in memory Stores and recalls lap times AND cumulative splits. Stroke rates are stored in memory with the time taken. Segmented memory allows one to store multiple races or workouts for later recall Save multiple races, pieces or workouts (Store up to 2000 segments)/ Count 1, 2 or 3 strokes, strides or cycles. View strokes per minute (1/2 stroke resolution) OR seconds per stroke (1/100th second resolution). Automatic backlight activates in low light, turns on with every button press for 3 seconds. Button feedback is both tactile (click) and audible (beep). Built-in-clock and calendar. Should be in protective rubber cover Waterproof and float.
23.	REPAIR KIT	Raft and inflatable kayak repair kit. Containing the essentials for emergency boat material and Leafed valve repair. Repair parts can be fitted in water resistant dry box. with gasket-lined lid., Plash (Pliers)-1 No, Key-5(various size), Valve Key-1 No. Repair material as per requirement, Adhesive Glue one Kg.

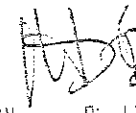
TRIAL DIRECTIVES FOR WATER SPORTS EQUIPMENTS:

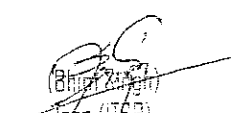
A board of Officers alongwith Technical member will check:-

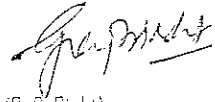
1. The outer parameters such as weight size, feel, finish and workman ship as per the specification/QRs.
2. Check the flotation, buoyancy & balance of Kayaks, Canoes & rowing boats by putting them physically in water/River.
3. All equipments relating to Kayaks, Canoes & Rowing boats will also be checked by board of officer simultaneously.
4. Motorized boats with full crew must be put through trial for an extended run of 1/2 Hour at Max. RPM followed by 1 Hour run at continuous RPM in presence of rep of the firm concerned.
5. A certificate from the firm concerned in respect of inner parameters and material will be required.



(Mohd Ali Khan)
Asstt. Sub Insp (ITBP)
Technical Member



(Ramvir Singh)
Ns Sub (NSB)
Member



(Narayan Singh)
Insp (CISF)
Member



(Bhup Singh)
Insp (ITBP)
Technical Member



(G. S. Bisht)
AC (SSB)
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(S. K. Thakur)
Dy Comdt (AR)
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(Manish Barwala)
DC (CRPF)
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(N. C. Sunder Singh)
DC/WW (BSF)
Member


(Dr. M. M. Gosal)
Dy SP (BPRSO)
Member



(G. P. Yadav)
DIG (L&C) ITBP
Presiding Officer

(iii)

RAFTING EQUIPMENTS


1	RAFT 16'	Length Width Frame Length Tube Diameter Kick/ Rocker Weight Thwart diameter Air Chambers Weight/denier of tube fabric Weight/denier of floor fabric D-rings Handless Self bailing floor. Central Compartment 45 inch Width. Material: Panel Orca fabric coated with Dupont Hypalon.	-16 ft - 7 ft 2 inch Max. - 96 inch Max - 20 inch Max - 30.5 inch Max - 80 to 82 Kgs - 13.5 inch - 9 (4+4+1). - 48gm/1670 - 48gm/1670 - 14 Nos - 8 Nos
2.	RAFT 14 FT	Length Width Max Frame Length Tube Diameter Kick/Riocjer Weight Thwart diameter Air Chambers Weight/denier of tube fabric Weight/denier of floor fabric D-rings Handles Self bailing floor. Central Compartment Width 45inchXLength 54inch. Material-Panel Orca fabric coated with Dupont Hypalon	- 14 ft - 7 ft - 82 inch - 20 inch - 29 ft - 148 Ibs/67 kgs - 13.5 inch - 7 (3+3+1) - 48/1670 - 48 /1670 - 14 Nos. - 6 Nos.
3	THROW BAG	Length Dia mtr Max strength Rope bags made from highly durable Cordura fabric with mesh panels for drainage and quicker dry time. Highly visible with barrel lock closure to keep the rope secured Highly floatable.	-75 inch - 3mm to 8 mm Polypropylene - 1900 Ibs/860 kgs.


(Mohd Ali Khan)
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(Ramvir Singh)
Ns Sub (NSG)
Member

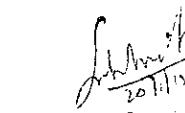

(Narayan Singh)
Insp (CISF)
Member

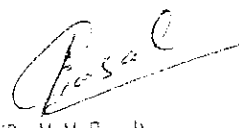

(Bhish Singh)
Insp (ITBP)
Technical Member

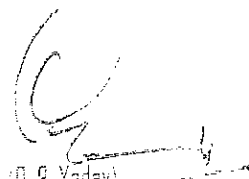

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Member


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(Manish Barmala)
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Member



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(Dr. M. M. Gosal)
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DIG (LGC) ITBP
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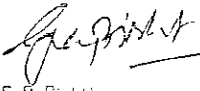
4	OAR FRAME	<p>Modular anodized aluminium raft frame should be 7inch Width X 120 inch Length and can carry for cooler and dry box both . Weight should be 120-125 lbs/54.36 to 55 62kgs.</p> <p>All the side rails, yokes and bars must b e detachable with oar, cooler, dry box.</p> <p>High back seat mounts with high density nylon 1inch strap with respective steel buckles for fixing.</p>
5	WHITE WATER KAYAK	<p>Length- 246 cm to 350 cm, Width- 26.75"/ 68 cm</p> <p>Max Capacity – 220 lbs/100 kg, Deck Height- 15"/38 cm</p> <p>Weight- 8 to 20 kg.</p> <p>Cockpit Width - S, M, L. Paddler Weight – 60 to 80 Kg</p> <p>Volume- 77 gal/ 292 Vector</p> <p>Thermoformed Seating Adjustable performance fit system</p> <p>Security grab handles Multi adjustable contoured hip pads D-bone welded in seat track Ratchet adjustable back band.</p> <p>Adjustable bulkhead foot brace with foam padding precision adjustable thigh braces.</p>
6	HELMUT	<p><u>High-impact polypropylene.</u></p> <p>Full cut shell, ear protection.</p> <p>Inner adjustable cradle Water-resistant foam lines.</p> <p>Open vents for ventilation and drainage.</p> <p>Soft webbing chinstrap.</p> <p>Water Sport Safety Standard.</p>
7	LIFE JACKET	<p>Vest type life jacket for adults as per SOLAS specification type. Suitable for chest size 45 inch to 58 inch</p> <p>Colour reddish orange</p> <p>With heavy duty plastic lockable zip and three heavy duty adjustable nylon belt, (1.5 inch wide) with buckle.</p> <p>Retro reflective type (2 inch X4 inch) on front and rear side at 6 suitable places.</p> <p>Each life jacket shall be tailored with a plastic whistle firmly secured by a lanyard.</p> <p>Have a capacity to float a person (including equipment's) 100 to 120 kgs.</p> <p>IRS approved for Indian make. For any foreign make should be approved by respective administrations.</p> <p>Type & Profile – 5 high profile.</p> <p>Design flotation-25 lbs</p>


(Mohd Ali Khan)
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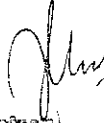

(Ramvir Singh)
Nb Sub (NSG)
Member



(Narayan Singh)
Insp (DISF)
Member

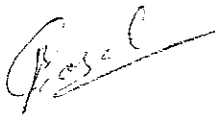

(Bhup Singh)
Insp (ITBP)
Technical Member



(G. S. Bisht)
AC (SSB)
Member


(S. K. Thakur)
Dy Comdt (AR)
Member

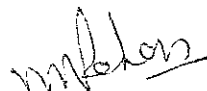

(Manish Bhatnagar)
DC (CRPF)
Member



(N. C. Sunder Singh)
DC/WW (BSF)
Member


(Dr. M. M. Gosal)
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Presiding Officer

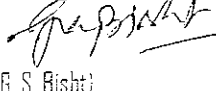
		Entry System: Front entry with quick release buckles. Adjustment systems- 8 adjustment points. Fabric 420-denier Nylon Flotation collar Universal Plus Coast Guard approved and Marine UL Listed.
8	GUIDE PADDLE	Reinforced polyethylene blade with rugged 1-1/4 inch diameter shaft & T-Grip.. Size- 60 inch to 68 inch, weight-1.3 kg to 15.5 kg as per requirement.
9	NORMAL PADDLE	BLADE SPACES: Reinforced Polyethylene. Size: 19X54.6 cm, 7.5 inchX21.5 inch SHAFT SPACES: High-Density Polyethylene covered Aluminium. PADDLE WEIGHT -960 gm Length- 60 inch
10	GOGGLES RAFT	Should exceeds ansi & csa velocity tests interchangeable wrap-around lens cushioned brow-bumper', "soft fingers" nose bridge adjustable temple lifetime frame warranty., must have goggle retainer.
11	FLIP LINE	14' of 3/8" Polypropylene safety line is stored in a rugged Cordura bad and secured by a drawstring closure. Loop on bags attach around frame or D-ring.
12	PUMP	6" Diameter X 24" Height., 7' non-link Hose. 2.0 Gal/Stroke. 8.0 L/Stroke Made of Heavy Duty PVC Foam O-ring Seal.
13	DRY BAGS	Storm strip closure system. Ensuring a waterproof seal. A heavy duty PVC/Polyester body and PVC/polyester bottom.
14	WET SUIT	Neoprene: 3-mm Terraprene neoprene torso and legs. 2-mm Power span Terraprene neoprene arms and shoulders. Seams: Glued and blind-stitched. Entry Style: double pull front zipper Wrist and ankle zippers. Padded Knees, Titanium adhesive.
15	WET HAND GLOVES	Material : 2-mm Terraprene neoprene with titanium synthetic leather palms and fingers. Seams: single needle with high tenacity thread. Palm Material: Synthetic leather. Armored patches in key wear areas. Grip Cote Wristband with hook and loop closure.


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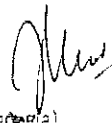

(Ramvir Singh)
N/S Sub (NSC)
Member



(Narayan Singh)
Insp (CISF)
Member

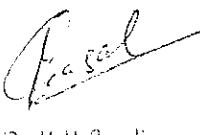

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16	REPAIR KIT	One 6"X 18" Piece of Tube Material. One 6" X 8" Piece of Floor Material. Roller Rasp Round & Oval Rubber Temporary Patches San Paper Leaffield Valve Wrench. Leafed Adapter Plug for Leafed PR Valve C7. Repair Kit: Pin, spring, Rubber. 1 Strip of 3 inch X 3/4 inch Tear aid type A.. 2. Alcohol prep pads.
17	OAD PADDLE	The 1-7/8 inch diameter thick-walled tempered aluminium tubing is sheathed in colourful. Abrasion-resistant polyethylene tubing., 8' and longer oars. Reinforced inner shaft for extra duty strength. Rubber grip cushion molded plastic handle. Removable blades permit easy storage and transport Blade Material UV-Resistant Plastic Width : 8 inch, Length: 26 inch, Weight 3 lbs/1.35 kgs Aluminium Spin Push Button Lock
18	WERNER PADDLE	Features: Spooned power face has sharp symmetrical blade for a powerful catch and immediate responsiveness. Carbon shaft with oval index add comfort and control. Blade Specs: Carbon Size : 49 X 20 cm. 19"X8" Symmetrical. Shaft Specs: Carbon. Paddle Weight : 652 g (23 oz) at inches.
19	PRESSURE GAUGE	Measures: 0-15 psi digital display. Waterproof Adapters that fit C7, B7 & A6 Valves.
20	STOP WATCH	Store 2000 splits and/or rates in memory. Stores and recalls Lap Times and cumulative splits. Strokes rates are stored in memory with the time taken. Segmented memory allows one to store multiple races or workouts for later recall. Save multiple races, pieces or workouts (store up to 2000 segments). Count 1,2 or 3 strokes, strides or cycles. View strokes per minute (1/2 stroke resolution) Or seconds per stroke (1/100 th second resolution). Automatic backlight activates in low light, turns on with every button press for 3 seconds. Button feedback is both tactile (click) and audible (beep).


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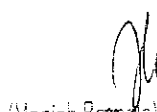

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Nb Sub (RSG)
Member

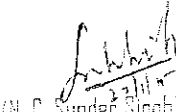

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Member

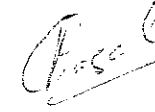

(Bhan Singh)
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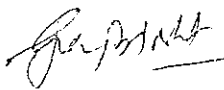
		Built-in clock and calendar. Should be in protective rubber cover. Waterproof and float.
21	LIFE LINE	14 MM nylon floating rope., Length- 14 Mtr.
22	NOSE CLIP	Adjustable nose plugs. High quality wire. Cottonmouth Nose Plugs
23	COOLER BOX	Exterior dimensions : 29" L X 16.5"W X 14" H Internal Capacity : 65 Lt. Two inches of insulation on all sides. Full length hinge system. One carrying handle on each end. O-ring seal. Drain plug. UV-resistant materials Stainless steel tension-adjustable latches.
24	RAFT WITH ENGINE	Length : 15 ft 16 inch to 16ft Inside length : 10ft to 11ft Width : 7 ft to 7 ft 6 inch Tube dia : 22 inch Numbers of Chambers : 8 Payload : 1000-1200 kgs Passenger capacity : 10 persons. Weight should be 100-120 Kgs., Suitable for 25-40 HP engine. ABS transom with splash guard, All around rope lacing for a secure grip., Stainless Steel D-rings for easy towing, Flexible nylon Lifting handles Front bow handle, Oar holders, Rub strake going all around hull and keel., Double wrap for abrasion and puncture protection Self bailing drain valves Aluminium edged floorboard., Aluminium stringers Two carrying bags., Bellow pump Repair kit, Towing rope aluminium oars Four stuck engine 25 to 40 hp Brand- Mercury/Tohatsu/Suzuki.
25	INSTRUCTOR	Should consist trek suit made of poly cotton with inner mesh lining. Fast drying and super quality short & T-Shirt & P.cap. River Sandles

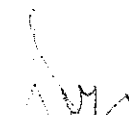

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26	RAFT 12 FT	LENGTH	- 12ft.
		WIDTH	- 5 ft 6 inch
		WEIGHT	- 50 to 51 Kgs
		FRAME WIDTH	- 48 inch
		Max Frame Length	- 64inch
		Tube diameter	- 17 inch
		Thwart diameter	- 10 inch
		Centre Compartment-	32 inch Width X 34 inch Large Kick/ Rocker.
		(bow/Stern)	- 26 inch
		Number of chamber-	3+2+1
		Weight/Denier of Tube Fabric :	48gm / 1670
		Weight/Denier of Floor Fabric:	48gm/1670
		Number of D-Rings:	14, Number of Handgrip- 6 with Repair Kit.

TRIAL DIRECTIVES FOR RAFTING EQUIPMENTS

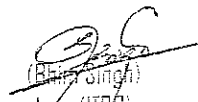
A board of officers along with Technical member will check: -

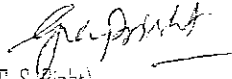
1. The outer parameters such as weight, size, feel, finish and workmanship as per specification/QRs.
2. The board will check the flotation, buoyancy, bailing out water & balance of Raft by putting it physically in water/River.
3. All equipments relating to Rafting will also be checked by board of officer by live trial.
4. Motorized Raft with full crew must be put through trial for an extended run of 1/2 Hour at Max. RPM followed by 1 Hour run at continuous RPM in presence of rep of the firm concerned.
5. A certificate from the firm concerned in respect of inner parameters and material will be required.


(Mohd Ali Khan)
Asstt Sub Insp (ITBP)
Technical Member

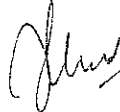

(Ramvir Singh)
Nb Sub (MSG)
Member

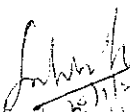

(Narayan Singh)
Insp (CISF)
Member

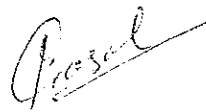

(Bhairu Singh)
Insp (ITBP)
Technical Member

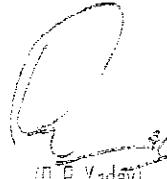

(G. S. Gisht)
AC (SSB)
Member


(S. K. Thakur)
Dy Comdt (AR)
Member


(Manish Bannala)
DC (CRPF)
Member


(N. C. Sunder Singh)
DC/WW (BSF)
Member


(Dr. M. M. Gosal)
Dy SP (BPRSD)
Member


(D. P. Yadav)
DIO (LSC) ITBP
Presiding Officer

PROPOSED TRIAL DIRECTIVES IN R/O SKIING, RAFTING AND WATER SPORTS EQUIPMENTS

A board of Officers alongwith Technical member will check:-

(i) SKIING EQUIPMENTS

1. The outer parameters such as weight size, feel, finish and workman ship as per the specification/QRs.
2. A certificate from the firm concerned in respect of inner parameters and material will be required.
3. The trial on ground is not required.


(ii) STILL WATER EQUIPMENTS


1. The outer parameters such as weight size, feel, finish and workman ship as per the specification/QRs.
2. Check the flotation, buoyancy & balance of Kayaks, Canoes & rowing boats by putting them physically in water/River.
3. All equipments relating to Kayaks, Canoes & Rowing boats will also be checked by board of officer simultaneously.
4. Motorized boats with full crew must be put through trial for an extended run of 1/2 Hour at Max. RPM followed by 1 Hour run at continuous RPM in presence of rep of the firm concerned.
5. A certificate from the firm concerned in respect of inner parameters and material will be required.


(iii) RAFTING EQUIPMENTS

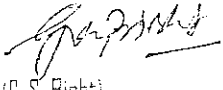
1. The outer parameters such as weight, size, feel, finish and workmanship as per specification/QRs.
2. The board will check the flotation, buoyancy, bailing out water & balance of Raft by putting it physically in water/River.
3. All equipments relating to Rafting will also be checked by BOO by live trial.
4. Motorized Raft with full crew must be put through trial for an extended run of 1/2 Hour at Max. RPM followed by 1 Hour run at continuous RPM in presence of rep of the firm concerned.
5. A certificate from the firm concerned in respect of inner parameters and material will be required.


(Mohd Ali Khan)
Asstt. Sub Insp (ITBP)
Technical Member



(Ramvir Singh)
Nb Sub (NSC)
Member



(Narayan Singh)
Insp (GISF)
Member

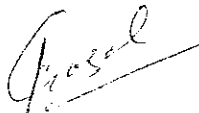

(Rajendra Singh)
Insp (ITBP)
Technical Member



(B. S. Bisht)
AC (SSB)
Member


(S. K. Thakur)
Dy Comdt (AR)
Member


(Manish Bhatnagar)
OC (CRPF)
Member


(N. C. Sunder Singh)
OC/WW (BSF)
Member


Dr. M. M. Gosal
Dy SP (BPR&D)
Member


(D. P. Yadav)
DIO (L&C) ITBP
Presiding Officer