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 VSO(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.
### Skiing Equipments

<table>
<thead>
<tr>
<th>SNO</th>
<th>Name of equipment/item</th>
<th>QRS/Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SKI RUNNER ALPINE</td>
<td>Length - 165 to 200 Cms&lt;br&gt;Radius - 12 to 35 MM&lt;br&gt;Construction - Fibre or Metal or Core-wood (As per FIS Standard)</td>
</tr>
<tr>
<td>2</td>
<td>SKI RUNNER NORDIC</td>
<td>Size - 172 to 190 Cms&lt;br&gt;Side cut - 42 to 44 MM&lt;br&gt;Weight per Pair - Maximum 02.35 Kgs&lt;br&gt;Race profile - Speed Cell Core (As per FIS Standards)</td>
</tr>
<tr>
<td>3</td>
<td>SKI ADJUSTABLE BINDING SAFETY ALPINE</td>
<td>Adjustable Binding - Complete with Plate&lt;br&gt;DIN Range - 3.5 to 12 Cms</td>
</tr>
<tr>
<td>4</td>
<td>SKI BINDING NORDIC</td>
<td>02 Axial with rigid link&lt;br&gt;Rear Set Pivot point&lt;br&gt;Full length guide ridge Bumper-less&lt;br&gt;Step in system manual</td>
</tr>
<tr>
<td>5</td>
<td>SKI SKIN</td>
<td>Made of 80 to 100% Mohair</td>
</tr>
<tr>
<td>6</td>
<td>SKI WAX</td>
<td>Wax - Hot Wax&lt;br&gt;Weight - 120 Gms (Maximum)&lt;br&gt;Snow temperature - Minus 04 to Minus 12 Degree Celsius</td>
</tr>
<tr>
<td>7</td>
<td>SKI BOOT ALPINE</td>
<td>Material Shell - Polyether&lt;br&gt;Size - 24 to 31.5 Cms&lt;br&gt;Buckle - Aergo Shape-3 made of Micro 100% Aluminium&lt;br&gt;Velcro Strap - 40 to 45 MM&lt;br&gt;Caming - Double</td>
</tr>
<tr>
<td>8</td>
<td>HELMUT ALPINE</td>
<td>Size - M, L, XL, XXL&lt;br&gt;Weight - Light Weight 300-400 gm&lt;br&gt;Should be with Chin Guard attachment, Micrometric buckle and Breathable velvet padding liner and outer shell Polycarbonate</td>
</tr>
</tbody>
</table>

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(Names of Signatories)
<table>
<thead>
<tr>
<th>No.</th>
<th>Item</th>
<th>Specifications</th>
</tr>
</thead>
</table>
| 9   | SKI Boot NORDIC       | **Size** - As per requirement in European number 38 to 45  
**Lining** - Polyester thermo adjustable fit  
**Weight** - Not more than 1.150 Gms  
Boot should be with Race Skate. Adjustable heal 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 Zycon 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/m²  
**Fabric Content** - PES-83%, PU-17%  
|     |                       | ii) **Fabric Weight** - 150gm/Mtr sqm  
**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** |

(Md. Ali Khan)  
Asst. Sub Inspt (ITBP)  
Technical Member

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

(Ramraj Singh)  
Sub (ITBP)  
Member

(Rajender Singh)  
Sub (ITBP)  
Member

(Dr. M. H. Dawal)  
SP (BSF)  
Member

(Deepak)  
BSF (ITBP)  
Member

(B. A. Bhat)  
AC (SSB)  
Member

(Dr. C. P. Yadav)  
DG (BSF)  
ITBP  
Presiding Officer
| 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 TROUSERS 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, I.D. other small items, Micro-chamoi 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 |

\[\text{Signatures}\]

- (M. Ali Khan)
  Asstt. Sub Inspector (ITBP)
  Technical Member

- (Rajesh Singh)
  Inspect (CISF)
  Member

- (V. R. Singh)
  Inspect (ITBP)
  Technical Member

- (G. S. Bishri)
  AC (SSB)
  Member

- (S. Thakur)
  Dy. Comdt (AP)
  Member

- (Manish Behl)
  OC (CPP)
  Member

- (N. L. Sunder Singh)
  OC/WW (BSF)
  Member

- (Dr. M. Goyal)
  SP (BSF)
  Member

- (D. P. Yadav)
  DG (BSF)
  ITBP
  Presiding Officer
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
</table>
| 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 tip 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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(Handwritten signatures of various members)
**30 STOP WATCH**

Store 2000 splits and/or rates 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 (1/100th 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.

**31 SKI STRETCHER**

Made of highly strengthened AL- Alloy Material.
Fashionable structure
Light Weight (14 Kg Approx)
convenient,
handy under all circumstances
Foldable

**32 TROUSERS 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 classic
Waist adjustable tabs.
Secret pocket.
Removable cuff guard.
Removable suspenders.
Fabric content 85 to 100% Polyester + Breathable fabric
Lining Breathable and Belt with loops
| 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 sq to 240 g/m sq  
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 along with the Technical member will check:

1. The outer parameters such as weight size, feel, finish and workmanship 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.

<table>
<thead>
<tr>
<th>Signature</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.Ah Khan</td>
<td>Asstt. Sub Insp (ITSP)</td>
</tr>
<tr>
<td>Parmvir Singh</td>
<td>Vl Sub (NSG)</td>
</tr>
<tr>
<td>Harpyan Singh</td>
<td>Insp (CISF)</td>
</tr>
<tr>
<td>G.S. Bhat</td>
<td>Insp (ITSP)</td>
</tr>
<tr>
<td></td>
<td>Technical Member</td>
</tr>
<tr>
<td>S. A. Khatri</td>
<td>AC (SSS)</td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td>Manish Bhardwaj</td>
<td>DC (CRPF)</td>
</tr>
<tr>
<td>N. K. Bhardwaj</td>
<td>DC/NSP (CSP)</td>
</tr>
<tr>
<td>V. M. Bhat</td>
<td>DC/SP (BPRD)</td>
</tr>
<tr>
<td>C. P. Yedav</td>
<td>GOC (LSG)</td>
</tr>
<tr>
<td></td>
<td>Presiding Officer</td>
</tr>
</tbody>
</table>
## STILL WATER EQUIPMENTS

<table>
<thead>
<tr>
<th>SNO</th>
<th>Equipment/item</th>
<th>QRs/Specifications</th>
</tr>
</thead>
</table>
| 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.** |
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 5. | CANOE - C2 | Size length - 648 to 652 (preferably 650) Cms  
Weight - 19.8 to 20.2 (preferably 20) Kgs  
Constructed with fiberglass 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 fiberglass 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.** |
| 7. | SINGLE SCULL ROWING | Length- 25.4 to 25.8 (preferably 25.6) Inches  
Weight- 19.6 to 20.2 (preferably 20) Kgs  
**RFI Approved.** |
| 8. | DOUBLE SCULL ROWING | Length- 31.10 to 32.2 (preferably 32) Inches  
Weight- 35.8 to 36.2 (preferably 36) Kgs  
**RFI Approved.** |

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(Handwritten Signature)  
Asstt. Sub Inspt (ITBP)  
Technical Member  
(S. R. Thakur)  
Dy Comdt (AR)  
Member  
(Mahesh Bansal)  
DG (CRPF)  
Member  
(G. S. Singh)  
Inspt (CISF)  
Member  
(N. S. Surinder Singh)  
DG (CRPF)  
Member  
(M. M. Basal)  
IGP (BSF)  
Member  
(G. P. Yadav)  
DG (ITBP)  
Presiding Officer

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Page 10 of 21
|   | COXLESS PAID | 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.  
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, outlay 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.  
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, outlay 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  
**ICP 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.  
**ICP approved.** |
<p>| | | |</p>
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<thead>
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</thead>
<tbody>
<tr>
<td>13. ROWING</td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>14. COXLESS</td>
<td>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 - 26.3 cm.</td>
<td></td>
</tr>
<tr>
<td>15. KNEE PAD</td>
<td>12” long. 10” wide, ½” thick Closed Mini-cell Foam</td>
<td>Self-adhesive</td>
</tr>
<tr>
<td>16. KAYAK STAND</td>
<td>Top made of canvas Frame made of steel Foldable. 20 X 25 ft; height of legs - 2 ft</td>
<td></td>
</tr>
<tr>
<td>17. ROWING STAND</td>
<td>Top made canvas Frame made of steel Foldable. 2 ft X 2 ft; height of legs - 2 ft</td>
<td></td>
</tr>
</tbody>
</table>
| 19. MOTOR BOAT WITH ENGINE | Length: 15ft 6 inch to 16 ft  
Inside length: 10 ft to 11 ft  
Width: 7 ft to 7 ft 6 inch, tube dia: 22 inch.  
Number of chambers: 8, payload: 1000-1200 kgs.  
Passenger capacity up to 10 persons.  
Weight should be 100-120 kgs.  
Suitable for 25-40 hp engine  
Standard features  
ABS 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 Equiments, 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) |
|-----------------------------|--------------------------------------------------|
| 20. ALUMINIUM JETTY | 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 air docks to create a floating community.  
Length overall- 7 ft 8 Inch, Width Overall- 7 ft 8 Inch.  
Tube diameter- 3 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 |
| 21. INDOOR EXERCISE KAYAKING MACHINE | 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. |
TRIAL DIRECTIVES FOR WATER SPORTS 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 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 ½ 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.

(Md. Ali Khan)  
Asst. Sub Insp (NRP)  
Technical Member

(Pramod Singh)  
No Sub (NSB)  
Member

(Narender Singh)  
Insp (COF)  
Member

(Ashok Singh)  
Cap (TDP)  
Technical Member

(O. S. Bhardwaj)  
AC (SSC)  
Member

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

(Manish Bhardwaj)  
DG (CRPF)  
Member

(N. C. Javed Singh)  
DG (WW) (BSF)  
Member

(Dr. M M. Coomb)  
Op & SP (BSF)  
Member

(O. P. Talreja)  
DG (Hqrs) WP  
Presiding Officer
### RAFTING EQUIPMENTS

<table>
<thead>
<tr>
<th>No.</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>THROW BAG</td>
<td>Length: 7-5 inch, Dia: 3mm to 8 mm Polypropylene, Max strength: 1900 lbs/860 kgs, 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.</td>
</tr>
</tbody>
</table>

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**(iii)**

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**Appendix - C**

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(Manoj Ali Khan)
Asstt. Sub Inspt. (ITBP)
Technical Member

(Naveen Singh)
Inspt. (CISF)
Member

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

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

(Manish Bajaj)
DG (CRPF)
Member

(N. C. Gunther Singh)
DG (CISF)
Member

(M. M. Das)
Sr. SP (BPFRD)
Member

(P. P. Yadav)
DG (LGR) ITBP
Presiding Officer
| **OAR FRAME** | Modular anodized aluminium raft frame should be finch 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. All the side rails, yokes and bars must be detachable with oar, cooler, dry box. High back seat mounts with high density nylon linch strap with respective steel buckles for fixing. |
| **WHITE WATER KAYAK** | Length- 246 cm to 350 cm, Width- 26.75”/ 68 cm Max Capacity – 220 lbs/100 kg, Deck Height- 15”/38 cm Weight- 8 to 20 kg. Cockpit Width - S, M, L Paddler Weight - 60 to 80 Kg Volume- 77 gal/ 292 Vector Thermoformed Seating Adjustable performance fit system Security grab handles Multi adjustable contoured hip pads D-bone welded in seat track Ratchet adjustable back band. Adjustable bulkhead foot brace with foam padding precision adjustable thigh braces. |
| **HELMUT** | High-impact polypropylene Full cut shell, ear protection Inner adjustable cradle Water-resistant foam lines Open vents for ventilation and drainage Soft webbing chinstrap Water Sport Safety Standard. |
| **LIFE JACKET** | Vest type life jacket for adults as per SOLAS specification type Suitable for chest size 45 inch to 58 inch Colour reddish orange With heavy duty plastic lockable zip and three heavy duty adjustable nylon belt, (1.5 inch wide) with buckle. Retro reflective type (2 inch X4 inch) on front and rear side at 6 suitable places. Each life jacket shall be tailored with a plastic whistle firmly secured by a lanyard. Have a capacity to float a person (including equipment's) 100 to 120 kgs IRS approved for Indian make. For any foreign make should be approved by respective administrations Type & Profile – 5 high profile. Design flotation-25 lbs |
| **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. |
| **NORMAL PADDLE** | BLADE SPACES: Reinforced Polyethylene. Size: 19X34.6 cm, 7.5 inchX21.5 inch SHAFT SPACES: High-Density Polyethylene covered Aluminium. PADDLE WEIGHT: 960 gm Length: 60 inch |
| **GOGGLES RAPT** | Should exceed ANSI & CSA velocity tests interchangeably wrapped around lens cushioned brow-bumper, "soft fingers" nose bridge adjustable temple lifetime frame warranty, must have goggle retainer. |
| **FLIP LINE** | 14" of 3/8" Polypropylene safety line is stored in a rugged Cordura bag and secured by a drawstring closure. Loop on bags attach around frame or D-ring. |
| **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. |
| **DRY BAGS** | Storm strip closure system. Ensuring a waterproof seal. A heavy duty PVC/Polyester body and PVC/polyester bottom. |
| **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. |
| **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. |
| 16 | REPAIR KIT | One 6" X 18" Piece of Tube Material.  
One 6" X 5" Piece of Floor Material.  
Roller Rasp, Round & Oval Rubber Temporary Patches,  
Paper Leaflet Valve Wrench.  
Leaved Adapter Plug for Leaved 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 | OAR PADDLE | The 1-7/8 inch diameter thick-walled tempered aluminium tubing is sheathed in colourful.  
Abrasion-resistant polyethylene tubing., 3' 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 (1/100th 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). |
<p>| | |</p>
<table>
<thead>
<tr>
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<td>21</td>
<td>LIFE LINE</td>
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<tr>
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<td>NOSE CLIP</td>
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<td>23</td>
<td>COOLER BOX</td>
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<td>24</td>
<td>RAFT ENGINE</td>
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<tr>
<td>25</td>
<td>INSTRUCTOR</td>
</tr>
</tbody>
</table>

**LIFE LINE**
- 14 MM nylon floating rope, Length - 14 Mtr.
- Adjustable nose plugs.
- High quality wire.
- Cottonmouth Nose Plugs

**COOLER BOX**
- Exterior dimensions: 29" L X 16.5" W X 14" H
- Internal Capacity: 85 ltr.
- 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.

**RAFT WITH ENGINE**
- Length: 15 ft 16 inch to 16 ft
- Inside length: 10 ft to 11 ft
- 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 handless
- 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 stroke engine 25 to 40 hp
- Brand: Mercury/Tohatsu/Suzuki

**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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- (Name: Ali Khan)
  - Asstt. Sub Inspect (ITBP)
  - Technical Member
- (Name: Singh)
  - Na Sub (HSG)
  - Member
- (Name: Singh)
  - IES (CISF)
  - Member
- (Name: Singh)
  - ISP (ITBP)
  - Technical Member
- (G. S. Bisht)
  - AC (SSB)
  - Member
- (Name: Badshah)
  - Dy Commandant (AR)
  - Member
- (Name: Banerjee)
  - OC (ITBP)
  - Member
- (Name: Sundar Singh)
  - OC (WW) (BSF)
  - Member
- (Dr. M. M. Goswami)
  - Dy SP (BPBS)
  - Member
- (Name: Yadav)
  - DIG (L & T)
  - ITBP
  - Presiding Officer

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TABLE

<table>
<thead>
<tr>
<th>RAFT 12 FT</th>
<th>LENGTH</th>
<th>12 ft</th>
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<tbody>
<tr>
<td>WIDTH</td>
<td>5 ft 6 inch</td>
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</tr>
<tr>
<td>WEIGHT</td>
<td>50 to 51 Kgs</td>
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</tr>
<tr>
<td>FRAME WIDTH</td>
<td>48 inch</td>
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</tr>
<tr>
<td>Max Frame Length</td>
<td>64 inch</td>
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</tr>
<tr>
<td>Tube diameter</td>
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</tr>
<tr>
<td>Thwart diameter</td>
<td>10 inch</td>
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</tr>
<tr>
<td>Centre Compartment</td>
<td>32 inch Width X 34 inch Large Kick/Rocker</td>
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</tr>
<tr>
<td>(bow/Stern)</td>
<td>26 inch</td>
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</tr>
<tr>
<td>Number of chamber</td>
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</tr>
<tr>
<td>Weight/Denier of Tube Fabric</td>
<td>48gm / 1670</td>
<td></td>
</tr>
<tr>
<td>Weight/Denier of Floor Fabric</td>
<td>48gm/1670</td>
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</tr>
<tr>
<td>Number of D-Rings</td>
<td>14</td>
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</tr>
<tr>
<td>Number of Handgrip</td>
<td>6 with Repair Kit</td>
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</tr>
</tbody>
</table>

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 4 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.

[Signatures and Names]

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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 workmanship 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 workmanship 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.

---

(Mr. J Ali Khan)
Asstt. Sub Insp (TBP)
Technical Member

(Ramvir Singh)
Ho Sub (MSS)
Member

(Kamal Singh)
Inspt (CGSF)
Member

(G S Sigh)
Inspt (TBP)
Technical Member

(G S Sigh)
AC (SSS)
Member

(K S Thalur)
Dy Command (AR)
Member

(Mansih Bawale)
DC (CGSF)
Member

(N. C. Sunder Singh)
DC (MWW/SGSF)
Member

(Shashikant)
By Sp (BPRGID)
Member

(Dr. M M Gosali)
By Sp (BPRGID)
Member

(G P Yadav)
DC (EC)/TBP
Presiding Officer