

# FIH Olympic Games Event Guide

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## 1. Documentation

This FIH Olympic Games *Event Guide for the Organisers of Olympic Games* document should be read in conjunction with the *FIH Field Specifications & technical requirements for Olympic Games*

## 2. Olympic Competition Schedule

The competition system for each event/discipline on the Olympic programme is:

- one Men's Tournament of twelve (12) teams and one Women's Tournament of twelve (12) teams. The minimum / maximum number of days required to complete the programme for hockey is:
  - minimum 14 days – maximum 15 days.

The maximum distribution of events over the number of days is:

- 8 matches on each day, except in emergency re-scheduling situations. The preferred timetables and any explanation as such is:
  - full compliance with FIH regulations concerning schedule of play including rest times and taking into consideration local climatic conditions.

*There are several scheduling considerations when developing the Hockey schedule, which include the following:*

- *Climatic conditions, for example competition sessions should be scheduled to avoid if at all possible times of the day when particularly hot and humid conditions are anticipated.*
- *Lighting – if all/part of competition sessions are to be run under floodlights, scheduling must consider fairness to all athletes/NOCs/NPCs as far as is possible.*
- *One team should not play a match with less than a minimum 20 hours rest between the end of the first match and the start of the following one.*
- *The Competition should avoid clashes with significant Team sport finals and is to be formally approved by the IF*
- *There are breaks of more than a day between each of the last pool match, the quarter-finals, semi-finals and medal matches. If matches have to be postponed for weather related reasons, this may have to be re-arranged.*
- *Where two pitches are being used, each team should be allocated number of matches on each pitch*

*All three elements of the competition schedule must be scheduled to run on consecutive days. For teams training, the venue and all related services need to be operational from the day when the first teams are scheduled to arrive on-venue until the last team have departed the venue following the end of the final Hockey competition. Even on competition days there will be training on-venue even for teams not taking part in that day's competition.*

### 3. Venue – Competition & Technical aspects

Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
<b>Field of Play - Facilities</b>						
<b>Competition Pitch</b>	Please refer to Olympic Games Field specification & Technical requirements					
<b>Warm Up Pitch</b>						
<b>Pitch Lighting</b>						
<b>Technical Official Booth</b>	Minimum 6m x 2.5m	1	<p>FIH has a preference for this item to be discussed to establish if it is possible to locate in the grand stand, in line with the half way line as this is the FIH preferential position for future venues.</p> <p>It can also be located on ground level at the side of the pitch on the half way line. Set back a minimum distance of the pitch run off (4m) subject to FIH approval</p>	<ul style="list-style-type: none"> <li>• <b>FIH preference is for this facility to be located in the stands and not pitch side. If this is possible, detailed location and facilities need to be agreed with FIH.</b></li> <li>• A platform height a minimum of 25cm above ground level.</li> <li>• Seating for 5 people.</li> <li>• Covered to protect from the weather</li> <li>• Protection from the FOP</li> <li>• Table to accommodate laptop, printer and technical equipment.</li> <li>• Providing an unrestricted clear view of the pitch</li> <li>• Electrical and data outlets</li> <li>• The sides of the area are to permit easy access to the FOP.</li> <li>• For safety, and windows should be of Perspex/acrylic material and not glass.</li> </ul>	4 extra seats are required for suspended players. These can be located at the front or side of the table.	

Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
<b>Field of Play - Facilities</b>						
	<b>Team Benches</b>	Minimum 8m x 3m	2	Immediately accessible at the side of the pitch – within 7.5m either side of the technical table. Set back the same distance (as minimum) as the technical table.	<ul style="list-style-type: none"> <li>• Seating for 10 people</li> <li>• Room for storage of 16 x player equipment bags &amp; team medical equipment.</li> <li>• Covered to protect from the weather</li> <li>• Electrical outlets and running water</li> <li>• Stick storage box</li> </ul>	<ul style="list-style-type: none"> <li>• Screens to protect the bench from the watering system are recommended.</li> <li>• Table (3m<sup>2</sup>) for drinks and medical equipment</li> <li>• In warm climates, industrial cooling fans are to be provided.</li> <li>• Changing rooms and team benches to be located on the same side of the pitch.</li> </ul>
	<b>Changing Rooms – Athlete</b>	Preferably 75m <sup>2</sup> per room	4	Preferably located within 25m of the FOP and located on same side of pitch as team benches. A secure area that is not accessible by the general public and media.	<ul style="list-style-type: none"> <li>• Minimum 36m<sup>2</sup> dry area</li> <li>• Showers (min 2) with hot &amp; cold water</li> <li>• Provision of towels</li> <li>• Toilets (min 2)</li> <li>• Electrical outlets</li> <li>• Seating for a minimum of 24</li> <li>• Treatment Table</li> </ul>	Must be lockable and secure.
	<b>Changing Rooms – Umpires</b>	Preferably 30m <sup>2</sup> per room	2	Preferably located within 25m of the FOP. A secure BOH area that is not accessible by the general public and media.	<ul style="list-style-type: none"> <li>• Seating for up to 6 people</li> <li>• Showers with hot &amp; cold water</li> <li>• Provision of towels</li> <li>• Toilets</li> <li>• Electrical outlets</li> <li>• Lockers for officials’ belongings</li> <li>• Ice bath</li> </ul>	Must be lockable and secure.
	<b>Ice Bath Facilities</b>	Minimum 20m <sup>2</sup>	2	Located near (if not in) the change rooms.	<ul style="list-style-type: none"> <li>• Large tubs or small pools that allow athletes to submerge themselves– to approximately waist depth.</li> <li>• Facilities to service a minimum of 3 athletes at one given time are required.</li> <li>• To be also installed for the umpires</li> </ul>	<ul style="list-style-type: none"> <li>• Must ensure privacy from the spectators.</li> <li>• Ice is to be stored on site to allow immediate servicing as required.</li> </ul>



Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
<b>Field of Play – Technical Areas</b>						
<b>Sports Presentation</b>		Minimum 25m <sup>2</sup>	1 per pitch	To accommodate 4 people. Ideally centrally located to the FOP with a clear view of the entire pitch.	Host to arrange <ul style="list-style-type: none"> <li>• A powered booth closed off area from spectators (covered and enclosed)</li> <li>• 4 x chairs</li> <li>• Tables to accommodate the electronic equipment required.</li> <li>• Electrical and data outlets</li> </ul>	
<b>Team Video Analysts Facilities</b>	Sufficient to accommodate 1 person per competing team camera operator and all technical equipment.		1 set of 13 per pitch	Located BOH or in the broadcast area. A view of the pitch is preferable but not mandatory. Suitable covered area with power supply.	<ul style="list-style-type: none"> <li>• Technical equipment</li> <li>• Wide angle lens camera (HD 720 50p minimum)</li> <li>• SDI cable connection to World Feed</li> <li>• An SDI cable from tactical camera to SDI Distributor/Splitter in Sport Analyst area</li> <li>• SDU Distribution splitter</li> <li>• Ethernet connection from team bench area to sport analyst area</li> <li>• 1 table and chair per team analyst</li> <li>• Requirement to share at least 12 feeds for teams and 1 feed for umpire coding platform per pitch.</li> </ul>	Team video analysis has 2 components: <ul style="list-style-type: none"> <li>• Tactical feed (delivered via a tactical camera, with a wide angled lens which will be fixed high behind the goals at an agreed end). This camera will be Operated remotely by the Broadcaster or an independent operator from a location either in the venue or in the broadcast compound.</li> <li>• The world feed.</li> </ul> <p>Both will be delivered either to a space allocated to the team video analyst (at a location in the venue) and/or through a remote log-in which will be available for access to the feeds for analysts who are not on site.</p>
<b>Video Umpire facilities</b>		Preferable 4m x 2m	1 per pitch	To be defined with FIH.  This will either be a booth located with a view of the FOP, or a location to be identified in the supplier vehicles.	Host to arrange; <ul style="list-style-type: none"> <li>• Office space - closed off area from spectators (covered and enclosed)</li> <li>• 3 x chairs</li> <li>• Tables to accommodate the electronic equipment required.</li> <li>• Important this room is not part of an access way to other areas of the production area.</li> </ul>	<ul style="list-style-type: none"> <li>• Specifics as outlined in Event Requirements for Olympic Hockey and Appendix 1 – Smart Replay Video Umpire Hawkeye Technical requirements.</li> </ul>

a. Video Umpire Facilities (each competition field of play)

- Video Umpire Room.

The number of people in the Video Umpire room will be restricted to approved personnel, which shall be no more than four persons at any one time.

- Camera Feeds

Camera feeds will be selected from the camera plot to give the best options for coverage and should be mutually agreed between FIH, OBS and OCOG.

- Replay Equipment & Services

The method and process for the Video Umpire system needs to be agreed with FIH and should include the use of a proprietary system such as “Hawk Eye” or Zebra.

The specification and personnel requirements of a Video umpires’ system are:

- Replay system to provide in game instant review by Video Umpire
- Ability to ingest all available OBS video feeds including “Super Slow Mo” cameras Quickly and efficiently review footage with video synchronised between multiple camera sources
  - Ability to accurately zoom, split screen and frame step to enhance available evidence
  - Video output for footage to be integrated into both International Feed and Big Screen for on field umpire
  - Facility for events to be bookmarked and archived for post-match quality review
  - The monitors should be high quality TV Monitors, preferably high resolution and minimum 19” colour screens.
  - Operators with Hockey specific experience to assist Video Umpire by providing the highest quality video evidence with minimum delay.

**Appendix 1 – Smart Replay Video Umpire Hawkeye Technical requirements** is attached with details of operations area and broadcast requirements per pitch.

- Radio Communications

FIH’s preferred solution is for OBS to provide broadcast radios with open mikes for the FOP Umpires and Reserve Umpire, as well as connecting in with the Video Umpire. Failing this a solution to be provided by the OCOG. The audio from the radios shall be available for connectivity with video umpire and should be audible in the stadium and connected to sports presentation. OBS will supply broadcast microphones for FOP Umpires (plus the Reserve Umpire, in case of substitutions of on field Umpires through injury or illness).

- Wired Communications

2-way communication systems should be in place with Sports Presentation for Video Display Screen and announcement purposes including holding TV replays in case of possible Video Umpire Referrals. The PA Announcers should have an audio feed from the Video Umpire room for the purposes of making the appropriate engagement with the stadium spectators regarding Video Umpire Referrals and their outcomes.

#### b. Technical Officials' table and equipment

- i office stationery;
- ii the remote console for the score-board and clock;
- iii electrical power outlets for clock, computers and printers to support the delivery of ORIS and TMS;
- iv appropriate protection for computers and printers;
- v appropriate network cabling to provide access to the real time data in support of approved ORIS functionality;
- vi a system of communication (telephone or radios) linking the Technical Delegate, OCOG Competition Management, Results Timing and Scoring and Public
- vii Announcer;
- viii Two (2) audible hooters (air horns);
- ix Two (2) stop watches;
- x one (1) set of official warning cards (green, yellow and red) as used by umpires; xi two (2) spare whistles;
- xii two (2) FIH approved stick checking devices (control rings and bow measuring devices – will be provided by FIH), a flat area / table is required for testing purposes;
- xiii four (4) captain's arm-bands or ribbons in different colours, and safety pins;
- xiv one (1) set of FIH approved templates for checking the goalkeepers' hand protectors and pads (available from FIH if required);
- xv box gauge for the measuring of outfield players 'hand protectors.
- xvi bottle containing an 80% alcohol solution and 3 pieces of cloth for cleaning blood stained field of play;
- xvii plastic gloves (and waste disposal facility) for use of personnel responsible for cleaning blood stains  
from field of play.

#### c. Technical Table Papers

Match and shoot-out competition report sheets, print out of Rules of Hockey, set of FIH Tournament Regulations for the Olympic Games, card registration forms, injury report forms, etc.



Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
<b>Field of Play – Technical Areas</b>						
	<b>Mixed Zone</b>	Minimum 40m <sup>2</sup> Preferable 10m x 4m		Immediately near the exit of FOP, allowing athletes to pass through as they leave the area. (This shall not be directly behind the team benches)	<ul style="list-style-type: none"> <li>• Priority area is to be given to the host broadcaster and the rights holder broadcasters, with athletes to then move onto the remaining media.</li> <li>• Barricading to separate the athletes and media.</li> <li>• Space to erect a backdrop.</li> </ul>	
	<b>Integrated Score Board and video Screen</b>	Minimum 6.5m x 4.4m	Minimum 1 per pitch	At the end or corner of the FOP, visible to the technical table, team benches and as many spectators as possible.	<p>Ability to display the following:</p> <ul style="list-style-type: none"> <li>• Match time (playing and breaks)</li> <li>• Participating teams - 3 letter IOC abbreviated name</li> <li>• Match score</li> <li>• Clock capable of adjusting to different timings showing seconds and minutes</li> <li>• Video referral status</li> <li>• Integrated siren at the end of identified periods.</li> <li>• all requirements for the scoreboard as defined in the ORIS document.</li> <li>• 8 seconds countdown with the countdown in 1/100ths of a second.</li> </ul> <p>Specifications for the scoreboard are;</p> <ul style="list-style-type: none"> <li>• Minimum resolution of 6,000 Led / m<sup>2</sup></li> <li>• Minimum intensity of 4,000 cd/m<sup>2</sup></li> <li>• Minimum useable screen surface is 23m<sup>2</sup></li> </ul>	<p>A scoreboard is required to display all of the specific requirements identified. The scoreboard must be controlled from the Technical Table by FIH appointed technical officials.</p> <p>See FIH guidelines on the preferred layout and details to be displayed. .</p>

#### 4. IF Delegation

TD, FIH Executive & Staff

President & Secretary General	2*
Technical Delegates	2*
IF Executive Board Members	17*
IF Senior Staff	2*
IF staff	16
Head of Media	2
Transferable Guests	15**

\* denotes with Guest

\*\*based on allocation from 2020

International Technical Officials (ITOs)

Jury of Appeal	10
Technical Officials	20
Umpire Managers	4
International Umpires	28
Medical Officers	3

(provision based on Tokyo 2020 approved numbers)

National Technical Officials (NTOs)

NTO role requirements to be discussed and agreed between FIH and OCOG. Number should be no less than 28 National Officials

#### 5. Sport Staffing & Sport Specific Volunteers

FIH will work with the OCOG to support discussions about the appropriate number and roles of Sport Specific staff roles and to agree the sport specific volunteer roles and numbers per shift.

Sport Specific volunteer roles include the following:

Training Site Coordinator
Training Site Team Member
Administration Coordinator
Administration Team Member
Athletes Services Coordinator

Athletes Services Team Member
Field of Play Coordinator
Field of Play Team Member
IF Services Coordinator
IF Services Team Member
Sport Equipment Coordinator
Sport Equipment Team Member
Sport Information Coordinator
Sport Information Team Member
Technical Official Coordinator
Technical Official Team Member

## 6. Sports equipment

The FIH shall approve all sport equipment list and the OCOG is required to approach FIH to identify any sport specific supplier.

At least one month prior to the start of the competition, the OCOG shall install the specified sports equipment.

**Goals:** Hockey goals shall be FIH approved Goals (A list of approved goals may be found at [www.fih.ch/inside-fih/quality-programme](http://www.fih.ch/inside-fih/quality-programme)).

The posts and crossbars shall be white in colour. The goal nets shall be a similar colour to the Hockey Turf.

**Corner Flags:** Corner flags shall be mounted on flexible (22mm diameter) posts and be fitted into ground mounted or socketed.

**Hockey balls:** Only approved balls meeting global category requirements from an FIH approved manufacturer shall be used, and participating countries shall be advised of the selection at least six months prior to commencement of the competition. Six new balls and an adequate number of replacement balls of the same model shall be available at the start of each match. The balls should include the Look of the Games. The colour of the ball to be used must be approved by the FIH no later than 12 months before the first match of the Games. The availability of practice and pre-match warm-up balls, compliant with Rule 50, is the responsibility of the competing teams and not of the Organising Committee.

Specific details of the above Sport equipment items can be found under the *Olympic Games Hockey competition and training facilities Fields specifications & technical requirements*.

**Other Sport Equipment:** Various other items of sports equipment must be provided. Specifications should be discussed in advance with FIH and agreed using the previous Olympic Games sport equipment list as an indicative starting point. Look of the Games should be applied to appropriate items.

*The General Olympic Equipment list for Hockey can be found in appendix 2*

Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
<b>Operational &amp; Sport Offices</b>						
<b>International Federation Office</b>	Minimum 50m <sup>2</sup>	1	Located in the Sport BOH area with immediate access to the FOP, hospitality and all operational areas.	<ul style="list-style-type: none"> <li>• Work spaces for 8 people, with sufficient electrical outlets.</li> <li>• Internet and printer capabilities</li> <li>• Preferable to have a TV monitor with a live feed from broadcast</li> <li>• Must be lockable and secure</li> </ul>		
<b>President's Office</b>	Minimum 12m <sup>2</sup>	1	Located in the Sport BOH area, with immediate access to the FOP and Hospitality areas.	<ul style="list-style-type: none"> <li>• Work space for 1 person, with office table and chair.</li> <li>• 2 more chairs for meeting purposes.</li> <li>• Small couch and coffee table.</li> <li>• Preferable to have a TV monitor with a live feed from broadcast</li> <li>• Must be lockable and secure</li> </ul>		
<b>CEO's Office</b>	Minimum 12m <sup>2</sup>	1	Located in the Sport BOH area, with immediate access to the FOP and Hospitality areas.	<ul style="list-style-type: none"> <li>• Work space for 1 person, with office table and chair.</li> <li>• 2 more chairs for meeting purposes.</li> <li>• Small couch and coffee table.</li> <li>• Preferable to have a TV monitor with a live feed from broadcast</li> <li>• Must be lockable and secure</li> </ul>		
<b>Technical Delegates</b>	Minimum 25m <sup>2</sup>	1 per pitch	Located in the Sport BOH area with immediate access to the FOP and operational areas.	<ul style="list-style-type: none"> <li>• Work space for 2 persons, with office table and chairs.</li> <li>• Up to 8 more chairs for the purpose of hearings / meetings.</li> <li>• Lockable filing cabinets</li> <li>• Preferable to have a TV monitor with a live feed from broadcast</li> <li>• Must be lockable and secure</li> </ul>	Preferable for this area to overlook the FOP.	

Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
<b>Sport Operational Offices</b>						
	<b>Umpire Managers</b>	Minimum 25m <sup>2</sup>	1 per pitch	Located in the Sport BOH area with immediate access to the FOP and operational areas.	<ul style="list-style-type: none"> <li>• Work space for 4 people, with office tables and chairs.</li> <li>• 4 more chairs for post-match meetings.</li> <li>• 2 spare tables for the setting out of umpire radios (3m<sup>2</sup>)</li> <li>• Must be lockable and secure</li> </ul>	Preferable for this area to overlook the FOP.
	<b>Officials' Lounge</b>	Minimum 50m <sup>2</sup>	1	Preferably located on the same side of venue as all operational offices.	<ul style="list-style-type: none"> <li>• 2 x office tables and 4 x chairs for match review purposes.</li> <li>• Electrical outlets</li> <li>• Tables for the provision of catering</li> <li>• small couches &amp; coffee tables. Likely to have maximum 30 persons in room at a time.</li> <li>• Fridge for cold drinks</li> </ul>	<ul style="list-style-type: none"> <li>• A monitor with a feed from the broadcasters is a preferable feature.</li> <li>• Provision of suitable Gym and pool access for games time as training facilities for umpires in close proximity to the hotel, as referenced in Olympic Event Guide document.</li> </ul>
	<b>Athletes' Lounge &amp; Sport Information Desk</b>	Preferably 100m <sup>2</sup>	1	Located in the Sport BOH area within close proximity to all operational areas.	<ul style="list-style-type: none"> <li>• Multiple tables and chairs</li> <li>• Fridge for cold drinks</li> <li>• Notice board for event &amp; logistical detail</li> <li>• Preferable to have a TV monitor with live broadcast feed</li> </ul> <p>An environment where athletes can obtain information about transport, match schedules and other event associated details.</p>	<p>Located as such to provide easy access to change rooms and the athlete transport areas.</p> <p>Used for Team management who are not able to enter changing rooms (ie Male coaches with female teams and vice versa).</p>
	<b>Jury Room/Sport Meeting Room</b>	Minimum 50m <sup>2</sup>	1	Located in the BOH Sport area, within close proximity to all operational areas.	<ul style="list-style-type: none"> <li>• Tables and chairs to accommodate meetings between officials and teams, approximately 20 people.</li> <li>• TV screen with the ability to accept external AV equipment.</li> </ul>	



Key Space	Sub Space(s)	Size	Quantity	Location	Specific Requirements	Further Information
	<b>Venue Operational Offices</b>					
	<b>Competition Management Office</b>	Minimum 75m <sup>2</sup>	1	Preferably located on the same side as the technical table and team benches, with immediate access to the FOP, hospitality and all operational areas.	<ul style="list-style-type: none"> <li>• Work spaces for at least 8 people, with sufficient electrical outlets.</li> <li>• Internet and printer capabilities</li> <li>• Must be lockable and secure</li> </ul>	A monitor with a feed from the broadcasters is a preferable feature.
	<b>Venue Accreditation Office</b>	Minimum 12m <sup>2</sup>	1	Located on the security perimeter of the venue to assist with accreditation inquiries	<ul style="list-style-type: none"> <li>• Work spaces for 2 people, with sufficient electrical outlets.</li> <li>• Internet and printer capabilities</li> </ul>	
	<b>Technical Facilities Management Office</b>		1	Preferably located on the same side as the technical table and team benches, with immediate access to the FOP	Ability to control all pitch watering and lighting requirements from the one central location.	
	<b>Ball Patrol</b>	Minimum 15m <sup>2</sup>	1	Located BOH in proximity to the FOP	Changing room and assembly area for all ball patrol personnel.	Must be lockable and secure
	<b>Volunteers</b>	Minimum 40m <sup>2</sup>	1	Located at a central point in the venue, free from athletes and spectators.	<ul style="list-style-type: none"> <li>• Workspaces for volunteer coordinators</li> <li>• Fridge(s) for drinks</li> <li>• Tables for catering</li> <li>• Seating appropriate to numbers</li> </ul>	A monitor with a feed from the broadcasters is a preferable feature.
	<b>Ceremonies Office, and Storage</b>	agreed with IOC	1	Located in the BOH area with immediate access to the FOP.	<ul style="list-style-type: none"> <li>• Adequate space for the storage of presentation podiums and event signage.</li> <li>• Space to accommodate 30 people.</li> </ul>	This room can also act as a changing room for individuals involved in sports presentation activities.

## 7. Medical

### a. Personnel

An OCOG doctor and an OCOG dentist must be on duty at each competition FOP during all matches. Stretcher bearers must be on duty at each competition FOP during all matches.

An FOP OCOG team member with responsibility to clean pitch of blood stains must be available at each competition pitch during all matches.

### b. Equipment

The provision of the following equipment is required beside each competition field of play:

- stretcher at or near the Technical Officials' table;
- seating for stretcher bearers;
- spinal board;
- wood, aluminium or air splints for fractures of upper or lower limbs;
- ambulance service (fully equipped, with unobstructed access to the field of play and for exit from the venue).
- Oxygen and means of administering it
- AED

### c. Medical Room

A Medical Room (supervised by OCOG doctor on duty) must be set up and equipped with:

- i dedicated area and desk for the FIH Medical Officers;
- ii minimum of two treatment tables;
- iii adequate lighting;
- iv facilities for suturing cuts;
- v sterile / non-sterile bandages (e.g. elastic bandages), slings, band-aid type dressings, tape;
- vi basic medicines;
- vii analgesics (oral and injectable), including morphine, medicines for gastrointestinal disorders;
- viii oxygen and means of administering it;
- ix intravenous equipment and sterile fluids for treatment of severe heat exhaustion (in tropical zone);
- x adequate splints and availability of morphine are essential;
- xi means of disposal of used sharp, sterile and non-sterile equipment.
- xii Crutches and wheelchair
- xiii Emergency tracheostomy device

**Physio Therapy service provision must be accessible to the umpires**

d. Dope Testing Facility  
i. Waiting Room

The waiting room should contain:

- i seating for athletes, athletes' representatives, and chaperones;
- ii facility for sealed drinks (cool box or refrigerator);
- iii garbage bin

ii. Doping Control Room

This room must be highly secure and lockable. Ideally the room is to be adjacent to the waiting room and the toilet. The Doping Control room should contain:

- i lockable fridge;
- ii table and four to five (4 / 5) chairs (Doping Control Officer, athlete, athlete's representative, possibly interpreter and Medical Officer);
- iii forms to notify athletes and for Doping Control records; iv laboratory collection forms of acknowledgement;
- v trained personnel (including Doping Control Officer) to monitor and chaperone the athlete selected to be tested;
- vi sufficient collection bottles/kits.

iii. Toilet

The toilet should be large enough for the Doping Control Officer to be able to directly observe the athlete providing

the sample. A disabled person's toilet is ideal but not essential.

e. Care of Umpires

An appropriate facility / ability to treat and care, including physiotherapy and massage facilities, for the umpiring panel and Technical Officials must be provide

Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
	<b>Medical</b>					
<b>Athlete First Aid Room</b>	60m <sup>2</sup>	1 per pitch	Located in the Sport BOH area with immediate access to the FOP and venue entry / exit. Access must be flat and not inhibited by stairs.	<ul style="list-style-type: none"> <li>• The first aid room must be well lit and contain the equipment as detailed in the IOC / IF medical regulations.</li> <li>• It must contain running water, a basin and immediate access to separate male and female bathrooms.</li> </ul>	This area must allow treatment of male and female athletes simultaneously in a private manner.	
<b>Pitch Side Medical Services</b>		1 per pitch	At or near the technical bench for immediate access to the FOP.	<p>The area established for this feature must be adequate to accommodate the following:</p> <ul style="list-style-type: none"> <li>• Event medical personnel.</li> <li>• 2 x dedicated stretcher bearers</li> <li>• Medical supplies and equipment as detailed in IOC / IF medical regulations.</li> </ul>		
<b>Doping Control Room(s)</b>	90m <sup>2</sup>	Based on 3 Processing areas, 1 waiting area & 2 dedicated toilets.	Located in the Sport BOH area with immediate access to the FOP and change rooms.	<p>The Doping Control room must have the following sections;</p> <ul style="list-style-type: none"> <li>• Waiting room – 1 x table, 12 x chairs, 1 x fridge with bottled water</li> <li>• Processing room – 1 x table, 4 x chairs, 1 x lockable fridge, and lockable cupboard.</li> <li>• Toilets must be large enough to accommodate athlete and chaperone.</li> </ul>	<ul style="list-style-type: none"> <li>• The Doping Control room is to be locked at all times and only accessed by the Doping Control staff, medical staff and the selected athletes.</li> <li>• It is imperative that athletes in the waiting room must not be able to hear the conversations between the DCO and athlete providing personal details.</li> </ul>	

Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
	<b>Medical</b>					
	<b>Ambulance Pitch Access</b>	Adequate to allow a medical evacuation device as a minimum.	1 per pitch	Near the FOP with unrestricted access to the pitch and venue exit.	<ul style="list-style-type: none"> <li>• Minimum requirement is access to the FOP with an appropriate medical evacuation device</li> <li>• Preferable is double gates to permit emergency vehicle access to the pitch</li> </ul> A dedicated driveway to access that pitch in a smooth manner.	Fence perimeter / advertising boards in this area must be moveable.
	<b>Public First Aid</b>		Minimum 1 per pitch	A central point within the spectator area.	<ul style="list-style-type: none"> <li>• Paramedics and first aid staff with a fully equipped first aid station to treat spectators as required.</li> </ul>	Access to ambulance and hospital as required.



Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
	<b>Venue Seating</b>					
	<b>VIP</b>	To be determined in consultation with FIH		The best seats available in the main grandstand.	All VIP seats are to be covered	
	<b>Spectators</b>	10 000 capacity unless otherwise agreed		Positioned to allow full viewing capacity as close to the pitch as possible.	20% to be covered Provision for suitable accessible seating area compliant with venue licensing requirements and with a good view of the FOP	
	<b>Athletes</b>	To be determined in consultation with FIH		To be seated outside of the line of site of the main camera arc.	Sufficient seating to accommodate all teams and staff for the finals.	In addition to the 20% seating capacity referred to above, It is preferable that this seating area is covered.
	<b>Coaches Seating</b>	2 seats per team		To be seated in the accredited side of the stand behind the team benches.	<ul style="list-style-type: none"> <li>• 2 seats per team</li> <li>• Elevated view of the pitch</li> <li>• Separated from spectators</li> <li>• A table / bench to work on with access to data, power and communications.</li> </ul>	This must enable the coach quick access to the FOP and changing rooms and provide an elevated view.
	<b>Umpire Manager Seating</b>	2 seats per pitch		To be seated in the accredited side of the stand behind the team benches.	<ul style="list-style-type: none"> <li>• 2 seats</li> <li>• Elevated view of the pitch</li> <li>• Separated from spectators</li> </ul>	
	<b>Officials</b>	Event specific		To be seated outside of the line of site of the main camera arc	Sufficient seating to accommodate all appointed officials.	
	<b>Media Tribune</b>	75 seats		A covered seating area that allows the media to oversee the entire FOP uninterrupted. On the same side of the venue as all media operations.	Designated tables and seating for a specified number of media.	

Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
	<b>Media / Press</b>					
<b>Media Centre</b>	75 work stations Approx. 150m <sup>2</sup>	1	Located on the same side of the pitch as the media tribune and mixed zone. It is important to ensure easy access to the media centre from the pitch side operational areas.	<ul style="list-style-type: none"> <li>• Must be well lit and serviced by air conditioning / heating as appropriate.</li> <li>• A reception desk for a media assistant to be based at to help service all media requests.</li> <li>• Work areas to adequately accommodate the expected volume of media.</li> <li>• Internet for all media</li> <li>• Lockers for the safe storage of photography equipment.</li> <li>• Open 2 hours prior to the first match and remains open 2 hours after the completion of the last match, or until all media have finished their work.</li> <li>• TV monitor/s with live broadcast feed.</li> <li>• Small private working area for FIH Head of media</li> </ul>		
<b>Press Conference Centre</b>	50 seats - approx 80m <sup>2</sup>	1	Located on the same side of pitch as all other media activity.	<ul style="list-style-type: none"> <li>• Must have a raised head table to seat 6-8 people</li> <li>• Media seating for the required amount of people.</li> <li>• Sound system with microphone.</li> <li>• Presentation backdrop</li> </ul>		
<b>Media Lounge</b>	100m <sup>2</sup>	1	Located on the same side of pitch as all other media activity (could form part of Media Centre)	Catering for the media to consist of <ul style="list-style-type: none"> <li>• sandwiches / snacks</li> <li>• coffee and tea making facilities</li> <li>• water</li> </ul>		

Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
<b>Broadcast</b>						
<b>Area for OB Vehicles</b>			1	Same side of the pitch as the commentary booths.		
<b>Camera Positions</b>			14+	Variable	A camera plan should be agreed with FIH, involving elevated and pitch side camera locations.	Feeds to be made available for Video Umpire and Team sport Analysts facilities
<b>Commentary Booths</b>		Min 4m2 Preferable 2m x 2m	2+	Each booth to accommodate 2 people. Ideally centrally located to the FOP with a clear view of the entire pitch.	Host to arrange (per booth); <ul style="list-style-type: none"> <li>• Office space - closed off area from spectators (covered and enclosed)</li> <li>• 2 x chairs</li> <li>• Tables to accommodate electronic equipment required.</li> <li>• Electrical and data outlets</li> </ul>	To arrange equipment with broadcaster.
<b>Guest Area</b>						
<b>IF &amp; Olympic Family Lounge</b>		To be determined in consultation with FIH & IOC	1	In close proximity to the VIP seating area.	<ul style="list-style-type: none"> <li>• Needs to accommodate all IF and Olympic Family Guests</li> <li>• Must be a secured and controlled area</li> <li>• Must have provisions of catering services.</li> <li>• Preferable to have a TV monitor with a live feed from broadcast</li> <li>• Must have access to VIP only bathrooms</li> <li>• Highly Preferable to have a view of the FOP</li> </ul>	

Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
<b>Vehicle Access, Parking and Flows</b>						
	<b>Team Arrival / Departure load zone</b>	50m <sup>2</sup>	1	Direct entry into a secure athletes / operational area only.	Athletes should be able to leave their transport and enter their changing rooms immediately, without having to move through spectator areas.	They should be able to access the warm up areas and FOP without moving through spectator areas.
	<b>Officials Arrival / Departure load zone</b>		1	Preferably a direct entry into a secure operational area.	Preferably officials should also be able to arrive in an area that allows them to access their offices and changing rooms directly.	
	<b>VIP Arrival / Departure</b>		1	Direct entry to the VIP section of the venue	VIP should be able to arrive at the venue and move immediately towards the designated VIP area of the stadium.	
	<b>Emergency Vehicles</b>	Refer to the medical evacuation plan.	Minimum allocation - dedicated ambulance per client group - 1 x athletes & 1 x spectators	Clear emergency evacuation plan and medical plan	Emergency vehicles movement plans must be established in advance of the event in order to coordinate efficient access to all areas of the venue, along with planned exit pathways.	Subject to the licensing requirements of the venue/country.



Key Space	Sub Space(s)	Size	Quantity	Location	Functional Requirements	Further Information
	<b>Spectator Plaza</b>					
<b>Sport Initiation area</b>	To be discussed with FIH	1	In an accessible location in the spectator area plaza.	A suitable space for a sport initiation area for fans to have a go at Hockey activities such as small sized hockey.	Activities to be discussed with FIH and area to reflect needs	
<b>Plaza Area</b>		1	Situated in an area that encourages the spectators to move through upon their arrival into the grounds and pre accessing the seating.	To include: <ul style="list-style-type: none"> <li>• Retails stands</li> <li>• Catering services</li> <li>• Fan zone activity</li> <li>• Public bathrooms</li> <li>• Event information</li> <li>• Friends and Family area for athletes to meet and greet – with restricted access</li> </ul>	<ul style="list-style-type: none"> <li>• Compliant with local health and safety regulations</li> <li>• A big screen with a live feed, and a sound system are desirable features, yet not mandatory.</li> </ul>	
	<b>Training Facilities</b>					
<b>Training Pitch (es)</b>	Playing area: 91.4 x 55m Total area: (101.4 x 63m – 6388.2m <sup>2</sup> )	2	Within 20 minutes of the Athletes' village	<ul style="list-style-type: none"> <li>• A full size pitch, surfaced with the same surface and watering system and set out in line with the competition field of play.</li> </ul>	<ul style="list-style-type: none"> <li>• Lighting should be illuminated to non-televised FIH Class 1.</li> <li>• Pitch equipment should be provided in good condition.</li> </ul>	
<b>Changing rooms</b>		4		<ul style="list-style-type: none"> <li>• Provision of towels and ice</li> </ul>		
<b>Ice baths</b>		2		<ul style="list-style-type: none"> <li>• Provisions to provide this service to teams</li> </ul>		
<b>Medical room</b>		1		<ul style="list-style-type: none"> <li>• Basic medical provision plus an area identified for doping control testing.</li> </ul>		
<b>Athletes Lounge</b>		1		<ul style="list-style-type: none"> <li>• A lounge with basic refreshments to accommodate teams on arrival and departure to training.</li> </ul>		



## 8. Refreshments – Teams & Technical personnel

Adequate supply of cooling ice and bottled water should be constantly available for teams and technical officials near the team benches and in the changing rooms. Fruit, drinks and light snacks to be available in the Athletes Lounge.

## 9. Accommodation

The following accommodation and type is required:

- a. [Technical personnel \(see section 9 for a full delegation list\)](#)

70 (double / twin) rooms is a minimum provided by OCOG.

- i Technical Delegates –hotel accommodation minimum 4\* (double / twin room per TD).
- ii Jury Members – hotel accommodation minimum 4\* (double / twin room per member required)
- iii Technical Officials & Umpires –hotel accommodation minimum 4\* (single or twin rooms as agreed with FIH).

- b. [President & Secretary General](#)

President & General Secretary (double / twin room each at IOC Hotel).

- c. [Executive Board, Guests and FIH staff](#)

Provision of a suitable 4\* minimum hotel for Executive Board, Guests and FIH staff at cost of FIH.

- d. [Working offices and other room requirements:](#)

Sufficient office or meeting space in the hotel (including provision for Technical meetings). Meeting room with video facilities and appropriate seating for Umpires' Managers.

- e. [Meal services:](#)

Related to competition schedule (early morning and late evening matches). Quantity and variety according to international standards.

- f. [Executive Board meeting](#)

The FIH may host its Executive Board meeting during the Olympic Games. Provision of a meeting room at the designated accommodation will be required and support for sourcing appropriate requirements.

## 10. Transport

To be agreed between FIH and OCOG in line with IOC Technical Requirements and based on the sport specific requirements and location of accommodations.

## 11. Pre-Olympic Test Events

As appropriate testing opportunity to be discussed and agreed between FIH & OCOG. FIH looks forward to working to support the OCOG to ensure the whole organisation mobilises from planning and implementation to Games readiness.

Where climatic conditions require consideration, the test should take place one year prior to the Games during the same time period that the Games will take place.

Key areas which should be integrated into a test where delivered should include the following in line with the proposed Games time provision:

- the competition venue using both FOPs, where appropriate
- athlete, sport and FIH facilities;
- key aspects of sport equipment;
- results, timing and scoring technology and services including ORIS systems and processes;
- video referral systems and processes including broadcast to support the delivery;
- sports presentation approach and delivery;
- key sport specific Games-time personnel from OCOG, Volunteers and Technical Personnel (FIH appointed)
- Roles of NTOs

## 12. Sport Presentation

### a. Sport Presentation

FIH endorses a big, bold, packed and loud approach to Sports presentation in its events and places priority on the importance that the event experience and sports presentation has in relation to the experience that Fans take away from its events.

Sport Presentation at the stadium is the link between the spectators, the athletes, the event and the sport competition itself with the objectives to provide a consistent, informative and entertaining event presentation and memories to take away, showcasing both athletes and the sport before, during or after the game.

FIH will work with the OCOG to agree a sport presentation concept for Hockey that matches the levels delivered at its World Cup with importance placed on ensuring the sport presentation team are experienced in the sport of Hockey. Operational support can be provided to the OCOG with sport specific aspects for scripting and planning.

### b. Pre-match protocols

FIH has standard Pre-match protocols which it will share with the OCOG to be integrated into the Daily Competition Activity Schedule and pre-match run-down for broadcast.

### 13.Sport Initiation

#### a. Sport Initiation area

FIH believes that the opportunity to engage fans with the sport of hockey through activity is as important as through watching and will work with the OCOG to devise a suitable plan for a sport initiation area for fans to have a go at Hockey in the spectator area of the venue.

The core objectives of the Sport Initiation for hockey at the games are to **EXCITE, INSPIRE** and **MOTIVATE**.

- To provide a positive hockey experience for all visitors to the hockey venue
- To excite visitors with interesting and innovative animations
- To inspire visitors with local and international hockey stars
- To motivate visitors to start, play and stay in hockey through awareness and promotion of local hockey clubs, and in particular to help grow hockey participation in the host country
- To ensure a safe environment for everyone by conducting a risk mitigation

Plan could be articulated around a concept with multiple zone activity areas with hockey and technology to develop visitor’s skills, speed and agility.

In addition to these activity zone, a Masterclass zone should be put in place for regular drop-in clinics. This area can also be used in order to organise some signing sessions and meet-ups with international players and Hockey stars, Top coaches for a top experience.

Inflatable or other brandable perimeter can be used for safety, look and feel matters as well as branding opportunities.



#### b. Sport Initiation personnel

FIH will support the OCOG to have discussions with the National Federation of the OCOG country to provide sport specific qualified volunteers to deliver the Sport Initiation activities.

*Appendix 1 – Smart Replay Video Umpire Hawkeye Technical requirements*



*Simply click on the image to get the presentation*

Appendix 2 – General Olympic Equipment List - Hockey

This list provides an overview of main requirements based on previous Games editions. The list evolves on a Games by Games basis and future editions are subject to inclusion of new requirements and approval by FIH. (Numbers of each asset dependent on number of pitches and to be agreed with FIH)

Sport	Short Description	Long Description	IF Approved Suppliers	Possible Suppliers	IF Sole Supplier	Look of the Games	Comments
Hockey	Turf & Shockpad				FIH Sole Supplier		FOP & perimeter colour: Hockey Blue (RAL Signal Blue - RAL Classic Number 5005) Line markings to be white - inlaid / tufted Size of FOP, run-offs and operational margins as per FIH Field specifications for Olympic Games
Hockey	Balls- Olympic Games	Only approved balls meeting global category requirements from an FIH approved manufacturer shall be used.	FIH Approved supplier			Must have	
Hockey	Goals	Hockey Goals & Contingency spares		FIH recommended suppliers list will be provided by FIH		Must have	
Hockey	Nets	Goal Net		FIH recommended suppliers list will be provided by FIH			The net supplier should be the same as the goals' supplier as each manufacturer will have its own system for attaching the nets to the goals
Hockey	Net String	Goal Net String					10m lengths. Colour as per net. For emergency use,



Hockey	Team Benches	Squad Dugouts (Team Benches) for 10 players and staff with protective cover		FIH recommended suppliers list will be provided by FIH		Must have	Free sight lines and protective cover for sun, wind and rain (Non-transparent roof and sides for shade protection from sun) Rounded / sloping roof to support drainage. Possible opportunity for integrated storage along back of the dug out for GK spare kit etc. Games look along back.
Hockey	Team Name Board - Enclosure	Unit to enclose printed name boards for teams playing in match				Must have	The option to integrate name boards into the dugout is preferred. Printed name boards.. Weather resistant. If free-standing on a stand / wheels. Stable re wind. Double sided names so details can be seen from front and back.
Hockey	Team Name Boards	Team name boards aluminium PVC coated boards with team names					
Hockey	Technical Booth	For match officials (if at ground level requires a 250mm podium)		FIH recommended suppliers list will be provided by FIH		Must have	Shade protection from sun and with air conditioning required. Access on both sides, seating for 6 people, seating not fixed. Table fixed but check height/depth. High front for protection but still allowing clear sight lines. Ability to cover / close during watering. Sloping roof / drainage. Strong fabrication. 25cm min elevation from the floor. Power and appropriate technology including printer. No sight lines through rear.
Hockey	Temperature & humidity measurement device	Measurement tool for temperature and humidity for technical table					
Hockey	Sin-bin Chairs	Frame with two chairs for suspension. 4 per pitch.				Must have	
Hockey	Posts	Corner Flag Posts and Bases and contingency		FIH recommended suppliers list will be provided by FIH			Corner flags shall be mounted on flexible (22mm diameter) posts and be fitted into ground mounted or socketed.

Hockey	Flags	Flags for posts (piece of fabric)		FIH recommended suppliers list will be provided by FIH		Must have	Different design for test event. To FIH Spec. Ensure attachment process to post is effective.
Hockey	Racks	Bag Racks (Team Bench Area)					Need depends on design of dug outs.
Hockey	Ice Storage Containers	Ice Storage Containers					Preferably on wheels. 1 per changing room and 2 pitch side. Assumes ice delivery or ice making facilities on sites and freezer units
Hockey	Stick Check Rings	Metal ring for measuring width of sticks					FIH will provide these
Hockey	Measuring device (cathedrals)	Measure Stick bow					FIH will provide these
Hockey	Hand protection measuring gauge	Box for measuring hand protection	-	-	-		180mm length, 110mm width and 290mm depth;
Hockey	GK equipment gauges	Gauges for measuring GK equipment					228mm, 355mm for hand protectors and 300mm for leg guards. Perspex or similar. As per FIH Spec.
Hockey	Airhorn - Manual	Manual audible airhorn with Cannisters					
Hockey	Tape Measure	Tape Measure					1 x 20m and 1 x 50m per pitch. To check pitch markings.
Hockey	Case A	Technical Equipment Case					Strong hard case with handle. To store table equipment and spares and carry to and from pitch. Also to take all match paper work, rules books etc.
Hockey	Case B	Gears Case				Must have	Case for PC Masks and Protection Equipment
Hockey	Arm bands	Captains Arm Bands (4 different colours per set) set of 4					Set = colours Blue, Red, White & Yellow. Would expect teams to provide. Provided only as back up.
Hockey	Results Board	Results Board VIP Lounge				Must have	Board to cater for x 2 Events, male & female. Manual update. Ideally on wheels.
Hockey	Results Board	Results and info board for officials and staff					Board to cater for x 2 Events, male & female. Manual update. Ideally on wheels.

Hockey	Video referral umpire solution	Including technicians support onsite		FIH recommended suppliers list will be provided by FIH			Requires confirmation between FIH, OBS & TOCOG .Video Umpire referral (smart replay) system solution contracted through Broadcast or TOCOG Sport to deliver video umpire referral (adjudication) specific to hockey for both competition pitches. Based on FIH specifications and the agreed number and type of camera feeds and replays between OBS and FIH.
Hockey	Umpire Radios	Used by the umpires on the FOP					A set comprises 6 radios. This element is linked to the video umpire referral solution and the sound connections require to be linked to VUR, OBS, Sports Presentation and Technical team.
Hockey	USBs	For disciplinary coverage of matches in case of an appeal					Number and requirement to be confirmed once solution for video analyst and video referral have been agreed.
Hockey	NOC team video analyst feed solution	Tactical Camera, splitters and remote accessibility of 13 feeds from camera	-	FIH recommended suppliers list will be provided by FIH	-	-	Requires confirmation between FIH, OBS & TOCOG. A solution that provides the capability for NOC team analysts and umpire managers to take a feed (in venue & remotely) from the dedicated team analyst camera feed (or other dedicated camera) in order to analyse the match live and to clip and record matches for the purpose of team analysis.
Hockey	Squeegees (Large)	Water Removers					Large, wide, heavy-duty metal squeegee with rubber base, industrial quality. To move excess rain water quickly from artificial turf playing area. 2 per training pitch and 4 each for Olympic Park pitches pitch plus spares. (Plus smaller type for walk ways and access areas at pitch level.
Hockey	Super Soppers	Large Push-Roller Sponge-Covered Barrel type Water Removers					Large, heavy-duty push-along sponge barrel rollers. To move excess rain water quickly from artificial turf playing area. 4 per for Olympic pitch
Hockey	Spirit	80% Alcohol Solution 1 litre bottles (500ml)					To also include a non-acid disinfectant surface cleaner effective against antibiotic-resistant bacteria. Suggest sourced through medical for doctor sign off. Sport need it in LIQUID form not gel.

Hockey	Buckets	Bucket ( plastic )					Blue ideally. Standard size bucket with a comfortable handle
Hockey	Gloves	Disposable medical gloves					Standard medical gloves in multiple sizes, used for cleaning blood off pitch, so same spec as medical gloves
Hockey	Brush	Scrubbing Brush					Blood removal
Hockey	Wipes	Kitchen / Floor Wipes					Appropriately thick to be durable and not rip easily if rubbed firmly against abrasive surfaces
Hockey	Bag - Blood	Disposable plastic bags for blood contamination					
Hockey	Bag - Ice	Disposable plastic bags for ice					Bags for physio ice
Hockey	Sponge	Sponge					Large handheld size, like a standard car washing sponge, to be dense enough to be durable and not rip easily when rubbed firmly against abrasive surfaces
Hockey	Water	For athlete rehydration					50 litres per team per match or more as necessary dependent on climate to compliment the Sports drink provision.
Hockey	Physio Beds	Physiotherapy beds for changing rooms					One for each changing room
Hockey	Chairs at Technical Table	For Technical officials on duty					
Hockey	Pitch dividers	2.0m x 500mm					Can be replaced by using ball patrol along the half way line for warm-up periods
Hockey	Cable Ties						
Hockey	National Flags						These will be required - one pre team for Sports Presentaiton Pre-match protocol at OG
Hockey	Ice baths	Team rehab					
Hockey	Sprinkler Hose	Contingency					
Hockey	Hose Reel	Contingency					

Hockey	Barricades						
Hockey	Crushed Ice (not block)						FIH regulations require sufficient quantity to cover ice baths, medical, hot weather and team requirements.
Hockey	Umbrella	Umbrella (clear type)					Clear type for better visibility of surroundings. Stronger type for windy conditions (for venue/FOP staff)
Hockey	Parasols for sun protection on FOP for FOP medical in case of need	Parasols (Large canvas type)					Large, stable, canvas type for shade protection against sun. Heavy base for wind. Potential for BIL coverage
Hockey	Cleaning Supplies	Cleaning Supplies					
Hockey	Office Supplies/Stationery						
Hockey	ITO radios	Communication tool for Technical team.					To be checked and approved by FIH ahead of the event in terms of specification.
Hockey	Mist fan	For athletes in the bench & Technical persons on table/offices if required					There should be sufficient number of fans to account for heat.
Hockey	Multi -way plugs	For technical and office areas and Team Video Analyst area					