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OIDEACHAIS | OF EDUCATION
AGUS SCILEANNA | AND SKILLS

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Outdoors Hard-Play Area.

Outdoor PE Equipment – PEO

Equipment List and Specifications.

Standards, Specifications and Conditions

Schools should tender and select the PE Supplier before practical completion and hand over to allow adequate time for co-ordination between the PE Equipment Supplier and the Main Contractor and/or School Authority

All equipment shall be durable and safe for school use.
Equipment wholly or partly or partly funded from public funds is subject to Inspection by Officers from the Department of Education and Skills.

It is essential that tenders and tenderers for equipment for school use shall:

- Comply fully with the specifications and be durable and safe for school use.
- Comply fully with the standards as detailed and shall comply fully with European Standards (EN), both established and developing.
- Comply with European electrical standards and CE marking as appropriate.
- Fully comply with requirements in the Request for Tenders (RFT) document.
- Be accompanied by documentation of sufficient detail for full evaluation.
- Include the completed and signed certificate of compliance.

Award of a contract is conditional on the production of a current tax clearance certificate.

Failure to comply with the above may result in the tender being deemed null and void.

Important: Equipment of Consumer quality (light duty home use type equipment) is **NOT SUITABLE** for school use.

Introduction

❖ Aims of Physical Education

- To contribute to the physical well-being of the pupil through a programme aimed at the development of a level of fitness.
- To develop appropriate motor skills enabling the pupil to participate in everyday life situations and in recreational, sporting and creative activities.
- To provide opportunities to acquire knowledge in relation to the following.
 - Games and Athletics.
 - Gymnastics.
 - Dance.
 - Aquatics.
 - Health & Fitness.
- The application of skills in the full game situation will require an area and a surface as recommended by the Governing Bodies of the relevant sport.
- Skills development can take place in the PE hall, Hard Play Area or Grass.
- A well structured games programme will take account of the games which are indigenous to the area and should also include a variety of opportunity as outlined in the “Rules & Programme for Secondary Schools”
- **To assist School Authorities on the games that can be selected, Data on Court sizes and appropriate safety Zones are detailed later in the Section entitled “Summary of Playing Court Sizes”.**

❖ Facility

The outdoors hard-play area shall be completed, including the installation of ground sockets/sleeves, by the Main Building Contractor prior to the installation of the equipment.

See also the Section under “COURTS” for further details.

The number of courts being provided will be included in the Schedule of Accommodation.

The School Management Authority shall insert the *number of sets* of equipment in the equipment list prior to tendering. See also the end of the section on equipment.

The formula used by the Department of Education and Skills for the number of Courts is as follows:

Courts per School	Area
2 for schools less than 250 pupils.	1020 m ²
3 for schools with 250 – 349 pupils.	1530 m ²
4 for schools with 350 – 499 pupils.	2040 m ²
5 for schools with 500 – 799 pupils.	2550 m ²
6 for schools with 800 + pupils.	3060 m ²

All costs to include supply, delivery, installation and commissioning of the equipment.

The installation of the equipment shall normally occur while the Main Contractor is still on site:

During the setting out of the tarmac area the Main Contractor is required to insert the correct sockets surrounded by a concrete plinth of an appropriate size in the ground in their correct positions. The sockets are to be requested from and supplied by the PE Equipment Supplier

OR

Very exceptionally, it may be necessary to install the sockets subsequent to the completion of the work by the Main Contractor and of the Hand Over to the School Management Authority. In such a situation the PE Supplier, by agreement with the Main Contractor, may be contracted to arrange to have the necessary work carried out. In these circumstances the Sub-contractor shall take every precaution to minimise the effect of the excavation and concrete works and must leave the sockets flush with the tarmac to eliminate any trip hazard. The areas around the posts shall be levelled and painted to match the original surface, or the concrete finished 50 mm below the surface and a tarmac substitute used to finish off the works to surface level. Socket and concrete plinth details are specified at PEO/150, PEO/152 and PEO/154 and PE suppliers should confirm their precise requirements if significantly different.

Equipment for Outdoor Hard-Play Area		
Code Quantity	Outdoors Hard-Play Area Descriptions and Specifications	Cost €:
PEO/150 ** Sets	<p>Basketball Equipment to comply with IS EN 1270: 2005</p> <p>Supply and installation of Basketball equipment consisting of: Socket in ground 92 mm inside diameter - Socket depth 900 mm upright 4 m long 89 mm o.d. Galvanised tube 3.2 mm wall thickness capped with moulded PVC. One metre long extension arm manufactured from steel tube 89 mm o.d. 3.2 mm wall and galvanised after fabrication. A fixing bolt should be fitted to prevent the arm rotating and to keep it at the correct height. This bolt should be 10 mm x 120 mm hex bolt and Nylok nut. An alternative is to fit a steel band to the underside of the arm as an added safety measure. Marine plywood (or equal approved) backboard 18 mm thick 1200 mm x 900 mm followed with one undercoat and one coat of exterior gloss paint. All above to be in accordance with I.S. EN 1270: 2005 . Ring and net to I.S. EN 1270: 2005 with particular reference to construction and paint finish. All metal work to be galvanised after fabrication. Horizontal, vertical and lateral deflection of board and ring to comply with I.S. EN 1270:2005. Uprights to be padded. Any deviation from the above to be approved by the Planning and Building Unit of the Department of Education and Skills prior to being fitted. Supplier to supply and erect the equipment in sockets fitted by Main Contractor. <u>Concrete Plinth:</u> 650x650x1000 mm depth.</p>	
	Manufacturer:	
PEO/151 **	<p>Basketball Court Linemarking.</p> <p>According to IBBA regulation size using water based textured acrylic paint, which provides a non-slip surface year round.</p>	
	Manufacturer:	

PEO/152 ** sets	<p>Tennis Posts, Sockets and Nets to comply with IS EN 1510:2004</p> <p>Supply and installation of Tennis equipment consisting of: Tennis Posts & Sockets: Sockets a minimum of 78 mm inside diameter. Socket depth a minimum of 350 mm. Removable or hinged caps for sockets to be supplied. Uprights a minimum of 75 mm o.d, 1400 mm long appropriate to the depth of socket. Galvanised tube with grooved aluminium cap and external winder and handle or equal approved. Net: 1.6 mm twine, reinforced at side and bottom with black tape. White vinyl coated headband. All to comply with I.S. EN 1510. Any deviation from the above to be approved by the Planning and Building Unit of the Department of Education and Skills prior to installation. Concrete Plinth: 450x450x600 mm depth.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Manufacturer:</td> <td style="width: 50%; padding: 2px;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
PEO/153 **	<p>Tennis Court Linemarking.</p> <p>According to LTA regulation size using water based textured Acrylic Paint which provides a non-slip surface year round.</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Manufacturer:</td> <td style="width: 50%; padding: 2px;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
PEO/154 ** sets	<p>Volleyball Posts, Sockets and Nets to I.S. EN 1271.</p> <p>Supply and installation of Volleyball equipment consisting of: Sockets 52 mm minimum inside diameter. Socket depth 350 mm minimum. Caps for sockets. Uprights of 48 mm o.d., 2730 mm long. 2.5 mm wall thickness capped at top and supplied with net hooks for men's and ladies volleyball and also for badminton. Metal work all from galvanised tube. Net: 9.5 m x 0.915 m, 100 mm sq mesh. Coated top band with steel headline and suitable the fitting of an antenna. E.V.A. approved. All in accordance with IS EN 1271. Concrete Plinth: 450x450x600 mm depth.</p> <p>TO BE SUPPLIED IF REQUESTED BY THE SCHOOL MANAGEMENT AUTHORITY ONLY</p>			
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Manufacturer:</td> <td style="width: 50%; padding: 2px;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
PEO/ 155 **	<p>Volleyball Court Linemarking.</p> <p>To I.V.A. Regulations with water based textured acrylic paint, which provides a non-slip surface year round.</p>	0.00		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">Manufacturer:</td> <td style="width: 50%; padding: 2px;">Catalogue No:</td> </tr> </table>	Manufacturer:	Catalogue No:	
Manufacturer:	Catalogue No:			
Total : €				
Add for VAT @ Higher Rate: €				
Add for VAT @ Lower Rate: €				
Total Amount for PEO List: €				

**** The School Management Authority shall insert the appropriate number per the Schedule of Accommodation.**

*Planning and Building Unit, Department of Education and Skills, Portlaoise Road, Tullamore, Co. Offaly.
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The number of basketball sets of equipment is equal to the number of courts in the schedule.

The number of volleyball sets of equipment is equal to the number of courts in the schedule although it may be decided to reduce the number of volleyball courts in the light of expected usage.

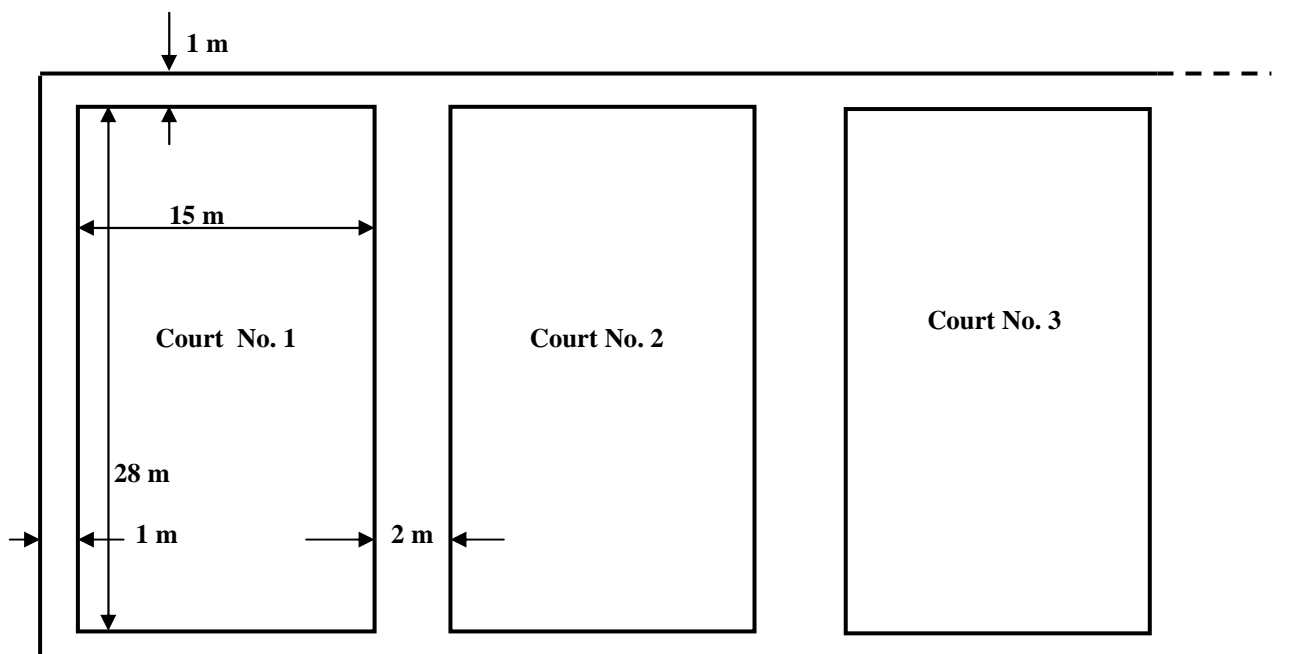
Ideally, tennis will be played across the basketball courts and the number of sets of tennis equipment is one (1) for three adjacent basketball courts. However, an alternative is to supply the same number of tennis posts and equipment as the number of Basketball courts. In this event, the basketball posts will be removed and their sockets fitted with caps during the tennis playing season.

See also the diagram under “Basketball Courts”.

Standards, Specifications and Conditions	
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It is essential that tenders and tenderers for equipment for school use shall:	
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<u>Award of a contract is conditional on the production of a current tax clearance certificate.</u>	
Failure to comply with the above may result in the tender being deemed null and void. Important: Equipment of Consumer quality (light duty home use type equipment) is Not suitable for school Use.	
Certificate of Compliance with Standards, Specifications and Conditions	
I/We certify that the equipment tendered complies in all respects with the Standards, Specifications and other requirements/conditions specified in this tender document. I/We hold a current tax clearance certificate.	
Company:	<input type="text"/>
Signed:	<input type="text"/>
Position:	<input type="text"/>
Date:	<input type="text"/>

Outdoors Hard-Play Area -- Courts.

❖ Basketball Courts



Overall area per Court	510 m²	30 x 17 m	Playing Size	28 x 15 m
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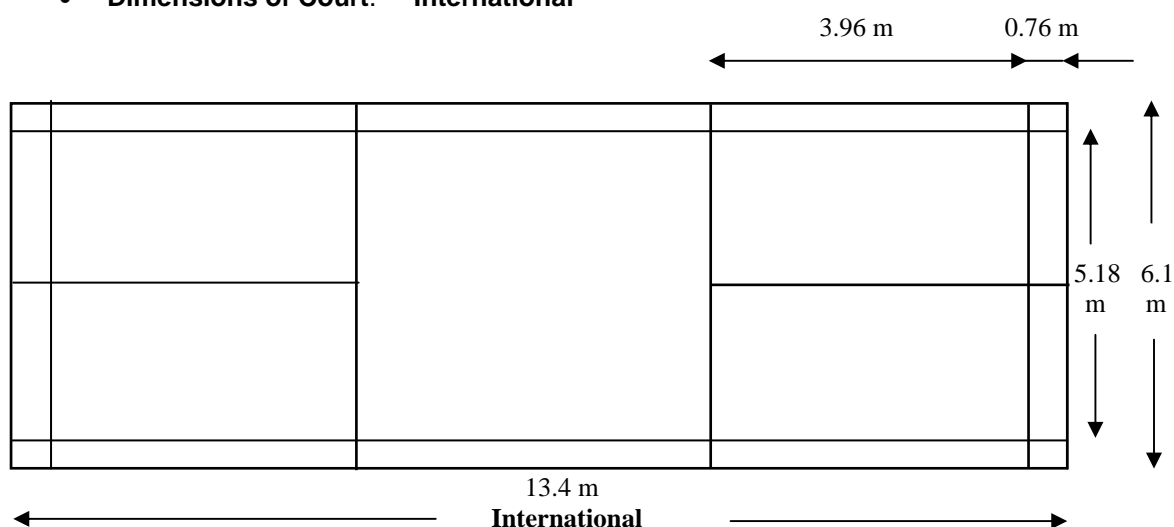
- Adequate surface water drainage shall be provided from all hard play areas without compromising the safety of the user during play.
- In providing such drainage, consideration must be given to the possibility of some games being played across the Basketball Courts. See section on “Summary of Playing Court Sizes”.
- In an existing school, the existing Hard Courts should be retained where possible.
- If additional courts are required, the cost of these courts should be assigned to the External Works Allowance.
- The hard Courts should be located adjacent to the external vehicular circulation and also to the changing rooms associated with the PE Facility.
- A 2.5 m high plastic coated chain link fence around the courts, with lockable access gates should be provided.
- Direct access from the changing rooms to external play facilities should be possible without going through the PE facility.

- If site restrictions apply, the following areas and dimensions may be considered but it is essential that the proportionality be maintained.

i)	Overall Area of court	448 m ²	28 x 16 m	Playing Size	26 x 14 m
ii)	Overall Area of court	390 m ²	26 x 15 m	Playing Size	24 x 13 m

❖ **Badminton Courts**

- **Dimensions of Court. International**



◆ **Playing Area:**

- Length 13.4 m
- Width 6.1 m
- Wall from base-line 2.3 m
- Wall from sideline 2.2 m
- Between parallel courts 2 m (min)
- Minimum clear height (over whole length of court) 9.1 m

◆ **Overall areas (minimum dimensions):**

- For one court 18 x 10.5 m
- For a parallel pair 18 x 18.6 m
- For each additional parallel court 18 x 8.1 m

❖ Tennis Courts

◆ Playing Area

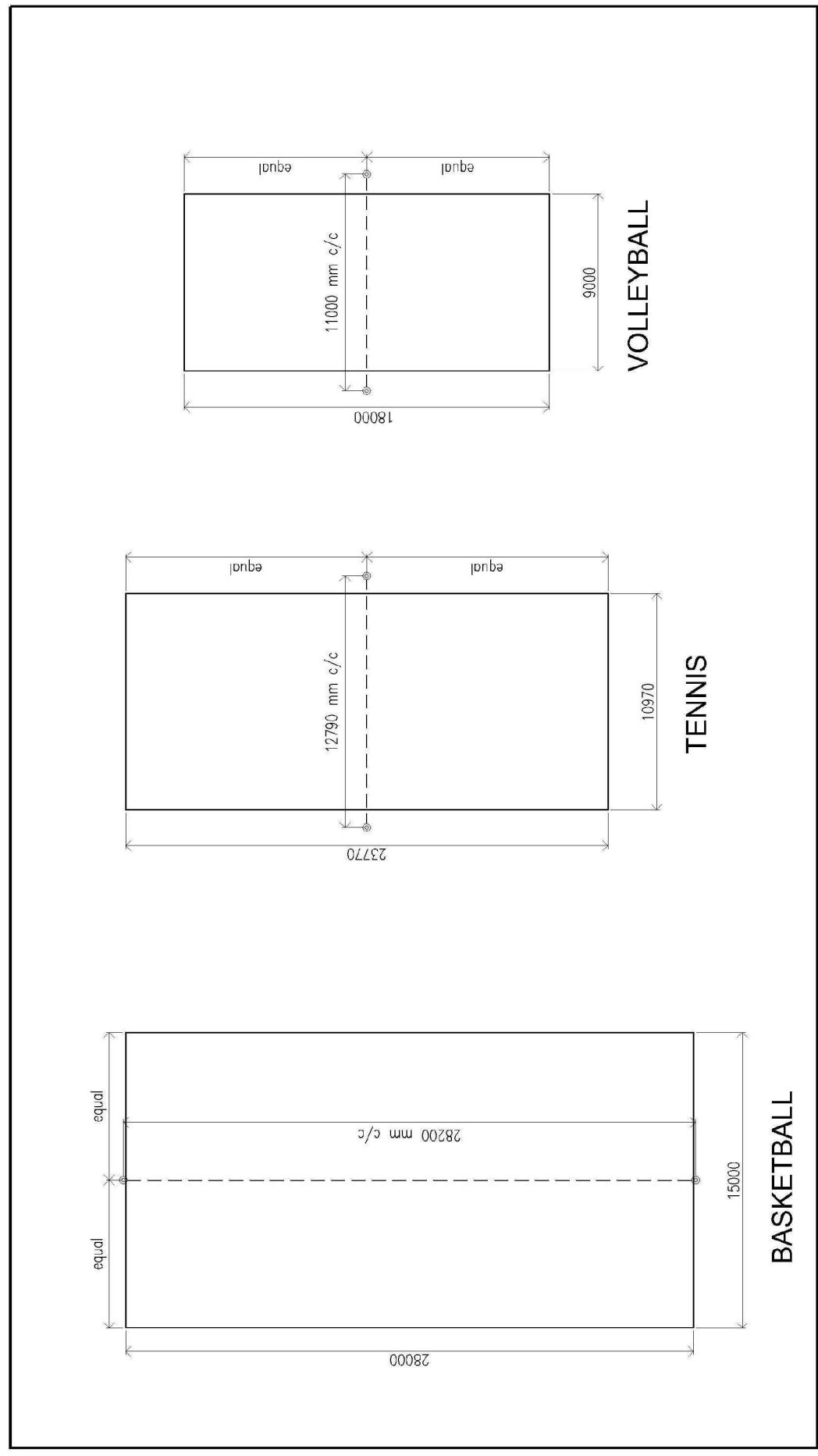
- Length 23.77 m
- Width 10.97 m
- Minimum run-back 6.4 m
- Minimum side-run 3.66 m
- Overall area per court 39 x 20.73 m
- Unobstructed height over net 9 m

❖ Volleyball Courts


- **International and National.**

◆ Playing Area

- Length 18 m
- Width 9 m
- Back-line clear space 8 m 2 m (National)
- Side-line clear space 5 m 2 m (National)
- Officials space 3 m 2 m (National)
- Clear height 12.5 m 7 m (National)
- Minimum hall dimensions without provision for officials, teams or spectators.
 - 40 x 25 m International 26 x 17 m National



GENERAL NOTES:

- DO NOT SCALE.
- USE FIGURE DIMENSIONS ONLY.
- SOCKETS DENOTED ON DRAWING AS 
- BASKETBALL COURT DIMENSIONS EXCLUDE THE LINE WIDTH OF 50 mm.
- TENNIS & VOLLEYBALL COURT DIMENSIONS INCLUDE THE LINE WIDTH.

DRAWING:

POSITION OF SOCKETS ON THE TARMAC AREA		DATE: Sept 2011
ISSUE NO: 01	SCALE: NTS	
DRG NO:		

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THE DEPARTMENT OF EDUCATION AND SKILLS



Planning and Building Unit

The playing pitches are NOT covered for grant-aid under equipment for outdoors hard-play area.

Never the less the following is given for the sake of completeness.

◆ **Playing Pitches:**

- Where site area and configuration permits, an area should be reserved suitable for use as a practice playing field. The levelling and preparation of this area is not covered by any of the Cost Limits.
- A Block Grant, on application, may be considered subject to a ceiling which will be determined from time to time.
- Direct access from the changing rooms to the pitch should be possible without going through the PE facility.
- The following data on sizes of playing areas are given for informational purposes.

❖ **Gaelic Games**

- Playing Area 130 – 145 x 80 – 90 m

❖ **Hockey**

- Playing Area 91.44 x 54.86 m

❖ **Soccer**

- Playing Area 90 – 120 x 45 – 90 m

❖ **Rugby**

- Playing area 100 x 69 m In-goal 69 x 22 m Overall 144 m x 69 m

- **An Appropriate Safety Zone around the playing area for each game should be allowed.**

Summary of Playing Court Sizes

◆ **International Court Sizes** (except where otherwise stated)

- The following is provided for informational purposes so that School Authorities can decide on the games that can be played safely within the Provision of the PE facilities.

Sport	Hall Size without provision for officials or spectators	Court Size	Clear height
Basketball	32 x 19 m	28 x 15	7 m
Volleyball National	26 x 17 m	18 x 9 m	7 m
Football National	31-48 x 21-31 m	25-42 x 15-25 m	7 m
Badminton	18 x 10.5 m	13.4 x 6.1 m	9.1 m
Hockey	42 – 50 x 22.2 - 26.2 m	36 – 44 x 18 – 22 m	7.6 m
Netball	33.5 x 18.5 m	30.5 x 15.25 m	7.6 m
Tennis	39 x 20.73 m	23.77 x 10.97 m	9 m
Football International	44-48 x 24-28 m	38-42 x 18-22 m	7 m
Handball	42 x 24 m	40 x 20 m	9 m
Handball Olympic	42 x 25 m	40 x 20 m	12.5 m
Volleyball International	40 x 25 m	18 x 9 m	12.5 m