

1 TYPICAL PROCESS, SPECIFICATION AND COST SCHEDULES

1.1 Introduction

The Contract comprises a will comprise of a JCT Framework Agreement with Underlying Contracts being used for each individual Contract for carrying out the Design and Construction of Artificial Grass Sports Pitches, Multi Use Games Areas, Outdoor Court Surfaces and other Synthetic Sports Surfaces and the like in locations across England Each Framework Contractor will be expected to provide the service for any project across England.

The work to be undertaken will be categorised into the following categories:

- Design and repair or replacement of **existing** outdoor sports surfaces.
- Design and repair or replacement of **existing** outdoor sport surface ancillaries.
- Design and construction of **new** outdoor sports facilities such as: multi use games areas, full size artificial grass sports pitches, outdoor courts for tennis, netball and the like, and other synthetic sports surfaces (for example athletics).
- Design and construction of access arrangements for **new** or **existing** outdoor sports surface facilities for participation and maintenance and repair.
- Design and construction of ancillary works associated with outdoor sporting facilities including; drainage, fencing and court/pitch markings and the like which may or may not be associated with the provision of a new or replacement sports surface. NOTE: Associated Sports Lighting to be provided by separate Sport England Framework Contractor
- Maintenance of new, refurbished or existing facilities.
- Any of the above works will be for a range of different sports and competition levels from a range of materials.

1.2 Schedule of Tasks

The Framework Contractor shall undertake the following duties. This schedule does not purport to detail everything that shall be done but is intended to indicate the level of service expected.

The items below have been written around the cases where a funding award is being sought from Sport England. On projects where this is not the case or an alternative Lottery process is adopted, the Schedule of Tasks will be modified as necessary and such amendments shall be detailed within the order for that project or mini-competition data and costs agreed with the Framework Contractor.

1.2.1 From 'Conditional Award in Principle' to 'Confirmation to Proceed'.

This process is to develop the project to demonstrate compliance with the Technical Conditions set out in the Award Letter.

1. The Authority advises the Applicant, the Framework Contractors' details from the approved list and agrees a direct award or mini-competition approach.
2. The Framework Contractor makes contact with the Applicant and develops the proposals to minimise the project risks and form a fixed lump sum price for the detailed design and construction stage. The contract for the project will be between the Applicant and the Framework Contractor. The successful Framework Contractor would enter into a Pre-Construction Agreement to develop the

project in sufficient detail to demonstrate compliance with the Technical Conditions of the Award Letter.

3. Within the first 28 calendar days of an appointment, the Framework Contractor shall carry out a feasibility report to review the project requirements as laid down in the Applicant's proposals. The report shall include the following:-

- Site visit findings
- Results of any initial investigations.
- Feasibility study.
- A report providing confirmation of whether appropriate planning permission has been obtained for the lighting levels and hours of use etc required. If planning approval has not been obtained the report must include the views of the local planning authority officers on the likelihood of success, including any special requirements for minimising light pollution or other environmental impact.
- Condition survey findings.
- Photographs.
- Preliminary cost plan.

'The preliminary cost plan shall include the cost of any fees needed to obtain the necessary statutory approvals for the project. These fees will be paid by the Contractor when the applications for these permissions are made and the cost detailed shall include the Contractor's adjustment for this item.'

- Risk register.
- Value engineering opportunities and any other options that may better suit the Applicant's needs.
- Conclusion

The Framework Contractor shall stay within the scope of works identified in the Applicant's initial submission.

If at any stage in this piece of work it becomes clear that there are major additional costs that would be incurred, the Framework Contractor shall refer the matter back to Sport England immediately for a decision on how to proceed.

The purpose of the report is to confirm that the Applicant's proposals are reasonably robust and suitable for more detailed development. The report shall be submitted from the Applicant to Sport England who shall confirm or otherwise that the project should continue. Should it not continue, the Framework Contractor shall be paid the feasibility sum.

4. Undertake any necessary surveys, site investigations or tests to assess the ground conditions, etc to fully inform the design and construction stages.
5. Co-ordinate all necessary input from the design disciplines and other members of the supply chain.
6. Produce a scheme design sufficient to obtain planning permission and to show that the proposals will comply with all statutory requirements. Where planning permission is not needed, the design shall be prepared to a stage equivalent to

RIBA Stage D such that a Fixed Lump Sum price can be calculated, without the use of provisional sums, in a way that will show value for money.

7. Submit a detailed report in conjunction and liaison with the Applicant's further submission to Sport England. This report shall include the following as a minimum:-
 - Executive Summary
 - Data to be included within the form of contract for the 'Confirmation to Proceed' stage onwards, including confirmation of who will undertake the Contract Administrator role (or any other role specifically referred to in the selected form of contract).
 - Details of any investigations and consultations made with statutory bodies.
 - Programme and cash flow forecast.
 - Schedule of works required including key design details.
 - Fixed Lump Sum price and breakdown for all the construction and remaining design works including the obtaining of any outstanding necessary statutory permissions. Costs to be reconciled to the pricing data included within the accepted tender for admission to the framework.
 - Risk register and a list of any other issues, including the impact of the proposals on any neighbouring properties, e.g. right to light, Party Wall issues, potential nuisance, etc.
 - Any value engineering measures taken.
 - Confirmation from the Applicant of his/her agreement to the extent of works proposed.
 - A concluding section that demonstrates the extent to which the Technical Conditions of the Award Letter have been met.
8. Keep the Applicant informed of progress.
9. Obtain detailed planning permission and correspondence from any other statutory bodies as required to confirm that the proposals are acceptable in principle.
10. Comply with the requirements of the CDM Regulations and provide a CDM Co-ordinator, where required by the Regulations.
11. Provide Employer's Agent, or equivalent, function where this option has been selected at 'Conditional Award' stage.
12. Obtain 'Confirmation to Proceed' details before progressing to the next stage. Whatever the outcome of this stage, the Framework Contractor will be paid a sum as detailed in its accepted tender to cover the work it and its supply chain has undertaken in this pre-construction stage.

7.3.2 From 'Confirmation to Proceed' Received from Sport England to Completion.

13. Enter into a Contract Agreement for the works with the Applicant.
14. Work with the Applicant to ensure relevant conditions of award are met.
15. Take all reasonable steps to discharge all Planning, Building Regulations and any Statutory Requirements on behalf of the Applicant.

16. Provide the Contract Administrator, etc and Quantity Surveyor where such person is named in the form of contract to be adopted and this option has been selected at 'Confirmation to Proceed' stage. Such person(s) shall be provided from a professional consultancy independent of the Framework Contractor but funded through the Framework Contractor's contract with the Applicant.
17. Complete the outstanding design work and obtain the remaining statutory permissions.
18. Ensure the design is fully co-ordinated.
19. Agree a construction works start date and all necessary pre-contract commencement matters with the Applicant. Undertake the construction of the works.
20. Prepare valuations and invoices and all necessary information to the Applicant to enable grant and match funding drawdown applications to be made and a financial audit trail to be maintained.
21. Keep the Applicant informed of progress.
22. Administer the terms of the contract as Contract Administrator, etc where this option has been selected.
23. Comply with the requirements of the CDM Regulations and continue to provide a CDM Co-ordinator, where required by the Regulations.
24. Ensure rigorous Health and Safety and Quality Control measures are adopted on site.
25. Ensure that the works excludes the use of materials accepted as being deleterious.
26. Where the Applicant notifies the Framework Contractor of a defect arising during the Rectification Period, Maintenance Period, etc., attend site within 7 working days to inspect the defect and initiate necessary remedial measures.
27. Maintain a photographic record of progress on site.
28. Ensure that the Works are cleaned, tested and commissioned prior to completion.
29. At Completion, provide a Completion certificate and all necessary test certification, H&S File and Operation and Maintenance information to the Applicant and provide any necessary training. Complete the rectification of all defects prior to certifying the works as complete.
30. Report any increase in costs to the Applicant as soon as they become apparent. Suggest measures to bring the cost back to within budget. Report potential overspend to Sport England. Amend the cashflow forecast as necessary and provide a copy of any revision to the Applicant and Sport England.
31. Review the relevant KPI data for the project with the Applicant and obtain the Applicant's scoring and associated signature to confirm their views of the project's success. Submit the KPI report to Sport England. The KPI report shall include a section relating to any lessons that may be learnt from the project that may improve the overall effectiveness, ease of use and value for money obtained from the framework.

The Framework Contractor is required to fully comply with the requirements of the Construction Design and Management Regulations 2007 both as 'Designer' and 'Principal Contractor'. He will also be required to appoint a competent CDM Co-ordinator wherever and whenever one is required by the Regulations on individual tasks awarded to the Framework Contractor.

As the 'Designer' the Framework Contractor shall ensure that the design process duly considers all health and safety issues and any risks associated with the construction, maintenance and operation of the facility and the design developed to design out the risks or at least minimise them to a manageable level.

The Framework Contractor shall ensure that all CDM documentation is delivered in good time with the H&S File complete and checked, in an agreed format prior to practical completion of each project undertaken.

The Health and Safety File shall include all documentation related to the construction of the project together with details of how to maintain it during its future use.

1.4 Contract

The main overarching agreement that will be entered into by Sport England and each of the successful Contractors is the JCT Framework Agreement 2007.

The Underlying Contracts that will be used for the individual Contracts would be as follows:

Pre- Contract Stage

JCT Pre-Construction Services Agreement

NEC3 Option A

Construction Stage

JCT Minor Works Building Contract with Contractor's Design

JCT Intermediate Building Contract with Contractor's Design

NEC3 Option A

Pricing

Framework Contractors will be required to develop the scheme with the Applicant and provide a Fixed Lump Sum Price using the rates and prices within the contract, together with any Specialist Sub-Contractor/Material prices. Payment terms shall be as detailed in each form of contract for each project.

1.5 Performance Indicators

The Performance Indicators will be as detailed in the separate KPI document.

1.6 Price Variation

The increase or decrease in the rates shall be calculated by applying the latest published annual percentage increase or decrease in the Retail Price Index (RPI) CHAW Indices.

The adjustment to the rates shall be applied 12 months after the start of the Framework and annually thereafter.

Regional Prices are adjusted as per the Framework Agreement.

1.7 Planning Approvals

Where new facilities are proposed or existing facilities altered in a manner that may require planning approval the contractor will make all necessary arrangements to seek approval from the relevant authority. This would typically include, but not limited to, the following:

- Careful consideration of the siting of the proposed lighting which should be sympathetic to the surroundings whilst minimising disturbance to neighbouring properties and infrastructure.
- Liaison and discussions with adjacent landowners, sporting bodies, statutory authorities and any other interested parties to review and consider the options available.
- Undertake initial approaches to the particular planning office to assess their concerns and desires. Including the preparation of preliminary sketches.
- Preparation of all planning drawings and documentation necessary for a formal application to the relevant Authority and submission thereof. Including but not exclusively: Flood Risk Assessments; Design and Access Statement; Landscaping Proposals and the like.
- Further liaisons with the planning authority landowners and interested parties plus the addition of any further information required during the planning process to aid that process to delivery a successful outcome.
- In the event that planning approval is not forthcoming the scheme will not progress further, unless further funding and approval is obtained from Sport England and/or the Applicant

1.8 SAMPLE DESIGN / SPECIFICATION REQUIREMENTS

1.8.1 General Design requirements

The design shall be prepared to provide the optimum surface to satisfy the applicant's requirements. The Framework Contractor shall determine the priority sport for the proposed playing surface and develop the design accordingly. In determining the primary and secondary sports and the level of acceptable compromise in surface performance from the standards required by the relevant design guides for those secondary sports, due cognisance shall be given to the anticipated level of participation and usage. In any event the extent of compromise needed shall be minimised.

The location of the proposed facility shall be carefully considered to ensure that appropriate access arrangements can be provided; suitable for all users and that the proposed facility will offer the minimum disturbance to others in the area.

Adequate parking facilities shall be provided where required and wherever practicable with clean, dry clearly defined access routes provided to the facility to ensure the surface is not contaminated by mud and debris.

Due recognition should be made of all relevant guidance and standards in the preparation of the design. This shall include, but not limited to, the following documentation:

- Sport England's Design Guidance Notes, in particular but not exclusively:
 - Selecting the Right Artificial Sports Surface for Hockey, Football, Rugby League and Rugby Union Revision 2: 2010
 - The design and Construction of Multi Use Games Areas (MUGAs) including Multi Sport Synthetic Turf Pitches (STPs)
 - Athletics
 - Comparative Sizes Check list

NB Sport England's Design Guidance Notes can be downloaded from their web site

- Sports Governing Bodies guidance.
- The International Association of Athletics Federations (IAAF) Track and Field Facilities Manual.
- SAPCA document: Code of Practice for the Construction and Maintenance of Tennis Courts
- SAPCA document: Code of Practice for the Maintenance of Sports Surfaces
- Disability Discrimination Act
- BS8300 - Design of Buildings for Disabled Use.

1.8.2 Efficiencies and reducing running costs

All design work undertaken within this framework will be prepared so as to provide an efficient and cost effective design solution to the proposed scheme. This would typically include, but not limited to, the following:

- Design of all products to take due account of the whole life cost of the product to provide the best value for money commensurate with the standard of facility to be provided.

- Products selection should take due account of the maintenance regimes required to maintain the level of performance required and ensure that this is an efficient and effective means of doing so
- Drainage systems should be designed and installed to reflect current flood risk assessments including the introduction of rainwater harvesting systems for irrigation and watering.

1.8.3 Playing areas and sizes.

The total area of a pitch or court will be the playing areas plus the run off areas which may be different if sports lighting is proposed. Where space is limited the run off areas specified by the relevant governing body shall prevail, with the court/pitch size reduced accordingly.

Playing surfaces shall wherever possible be orientated in a North/South direction to minimise the risk of glare from the setting sun on the participants.

1.9 Ground Conditions

Prior to Confirmation of Award stage, the Framework Contractor shall undertake such measures as are necessary to fully ascertain the nature of the ground conditions on the site and prepare a suitable design to ensure the stability of the playing surface.

Where appropriate, consideration shall be given to the adoption of ground stabilization techniques and/or soil remediation to deliver the most cost effective design solution which will not compromise the quality or performance of the completed surface.

The design parameters shall be verified during construction by undertaking CBR tests or other similar means of the formation and sub base levels.

1.10 Landscaping

The design of the facility shall take due regard of the location of the playing surface which shall be sympathetically landscaped into its surroundings. Such proposals will need to be agreed with the Planning Authority but shall be developed to ensure that the selection of planting and its location to the playing surface does not adversely affect the surface or result in excessive maintenance e.g. removal of leaves.

The landscaping design shall, where required, be developed to minimise the visual and acoustic impact of the facility which could also provide seating terraces or other landscaping features to enhance the whole facility.

1.11 Drainage

The drainage schemes from all outdoor sports surfaces shall be designed to ensure:

- That surface water is discharged from the surface at a rate which will safeguard against surface flooding.
- Allows for the effective and speedy discharge of surface water from beneath the playing surface to ensure that the load bearing capacity of the substrate is not weakened by an increase in moisture content or becomes more susceptible to frost damage.
- Takes due account of the influences of ground or surface water from the areas surrounding the facility.

All below ground drainage shall be designed in accordance with BS EN 752-1, 2, 3 & 4, BS EN 1295 and BS EN 1610.

Drainage designs shall be prepared complete with detailed calculations, drawings, technical and manufacturers literature. The design shall be sufficient to assess the adequacy of the design and to obtain approval from all interested parties.

Surface water drainage systems shall, wherever practicable, discharge through soakaways which shall be designed in accord with the BRE Digest 365.

All systems shall take due regard of SUDS requirements with attenuated flows incorporated wherever necessary.

Surface water flows will be calculated on the basis of a 1:100 year storm plus 25% for climate change, unless other wise agreed with the relevant authorities.

Where uPVC pipe work is proposed this shall comply with the requirements of BS4514-1 and BS EN 1329-1 and be Kitemarked certified and/or produced to any other relevant current British or European Standards.

Where clay pipe work is proposed this shall comply with the requirements of BS EN 295 and be Kitemarked certified and/or produced to any other relevant current British or European Standard.

All other drainage materials shall be manufactured in accord with the current British and Euro Standards.

All proprietary drainage systems shall have an Agrément or comparable certification and shall be installed strictly in accordance with the manufacturer's requirements.

All drainage systems shall be installed to a high standard of workmanship with a view to providing a long lasting quality system.

1.12 Base Construction

Generally the base construction of MUGAs will be a porous engineered construction comprising two layers of open textured porous macadam over a graded sub base which offers a stable final surface. Any alternative base construction shall only be considered if it will improve the overall stability of the playing surface.

The base construction of all outdoor playing surfaces shall be designed to meet the following criteria:

- It shall be capable of supporting and transmitting to the underlying substrate the loads of ALL vehicles, plant, machines and playing surface construction to be used during the construction and the maintenance of the facility through out its life.
- It shall allow for the free passage of surface water to the underlying ground, where suitable, or a suitable drainage system.

All sub-base layers forming the foundations of the playing surface shall be appropriately graded from frost resistant aggregates from a recognised local source.

Given that remedial action is extremely difficult to execute on all types of playing surface, particularly macadam, extreme care must be taken in the construction of the bases to avoid consolidation or settlement of the playing area.

1.13 Concrete works

The Framework Contractor shall ensure that all concrete is supplied through reputable sources and is produced in accordance with BS EN 206-1 and BS 8500-2.

Care should be taken with the selection of aggregates to minimise risk to the long term performance of the concrete.

All exposed concrete surfaces shall be finished with a hard dense surface with an appropriate finish and edging.

Formwork is to be designed and constructed to withstand the worst combination of the total weight of formwork, reinforcement and concrete, the construction loads (including dynamic effects of placing, compacting) and construction traffic and wind and snow loads. Proprietary release agents shall be applied to provide as smooth blemish free surface finish.

1.14 Playing Surfaces

1.14.1 Athletics tracks, sprint straights and athletics training areas

Prior to Confirmation of Award

Prior to Confirmation of Award, the chosen Framework Contractor shall provide the Applicant with the following:

- A reference sample of the synthetic surfacing proposed, not less than 500mm x 500mm at the thickness to which it will be installed. This sample will form part of the contract and will be used to compare the quality and properties of the finished installation.
- An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements of the Applicant.

Generally, these requirements will be that the surfacing meets the requirements of the IAAF (as set out in their current Handbook) or, in exceptional circumstances, that the surfacing conforms with the requirements of EN 14877:2006 "Synthetic surfaces for outdoor sports areas - Specification"

Further advice on aspects of planning and design may be found in the Sport England Design Guidance Note "Athletics".

During the Works

During the Works the Framework Contractor shall prepare samples of the synthetic surfacing daily, as work proceeds that may be used to confirm the compliance of the installation with the specification. (Full details of the Quality Control system to be operated shall be agreed prior to contract).

Upon completion

Prior to the issuing of a Certificate of Completion, the Employer shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification.

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.2 Artificial grass pitches – "3G" type for Soccer and/or Rugby and/or Gaelic Games and or Hockey

Prior to Confirmation of Award

Prior to contract the chosen Framework Contractor shall provide the Applicant with the following:

- A reference sample of the artificial grass surfacing proposed, not less than 500mm x 500mm, together with a sample not less than 500mm x 500mm of any shockpad proposed, at the thickness to which it will be installed. In addition, 1kg samples shall be provided of all particulate materials used to fill the pile.

These samples will form part of the contract and will be used to compare the quality and properties of the finished installation.

- An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements of the Applicant.

Generally, these requirements will be that the surfacing meets the requirements of the FA "Artificial Grass Pitches for Community Use", which, in turn cites either compliance with the FIFA Quality Concept 1-star or conforms with the requirements of EN 15330 "Synthetic surfaces for sports areas – Synthetic turf and needle-punched surfaces primarily designed for outdoor use – PART 1: Specification for synthetic turf"

For hockey compliance with FIH and EHA will be required.

Further guidance may be found in the Sport England Guide "Selecting the Right Artificial Surface for Hockey, Football, Rugby League and Rugby Union"

During the Works

During the works the Framework Contractor shall prepare samples of the artificial surfacing daily, as work proceeds that may be used to confirm the compliance of the installation with the specification. (Full details of the Quality Control system to be operated shall be agreed prior to contract).

Upon Completion:

Prior to the issuing of a Certificate of Completion, the Applicant shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification.

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.3 Artificial Grass pitches – sand-filled or sand-dressed for Soccer and/or Hockey

Prior to Confirmation of Award

Prior to Confirmation of Award the chosen Framework Contractor shall provide the Applicant with the following:

- A reference sample of the artificial grass surfacing proposed, not less than 500mm x 500mm, together with a sample not less than 500mm x 500mm of any shockpad proposed, at the thickness to which it will be installed. In addition, 1kg samples shall be provided of all particulate materials to be incorporated into the pile.

These samples forms part of the contract and will be used to compare the quality and properties of the finished installation

- An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements of the Applicant.

Generally, these requirements will be that the surfacing meets the requirements of the current FIH - Handbook of Performance Requirements for synthetic turf hockey pitches "The Pitch Handbook".

and/or

FA "Artificial Grass Pitches for Community Use", which, in turn cites either compliance with the FIFA Quality Concept 1-star or conforms with the requirements of EN 15330 "Synthetic surfaces for sports areas – Synthetic turf and needle-punched surfaces primarily designed for outdoor use – PART 1 : Specification for synthetic turf"

Further guidance may be found in the Sport England Guide "Selecting the Right Artificial Surface for Hockey, Football, Rugby League and Rugby Union"

During the Works

During the execution of the works the Framework Contractor shall prepare samples of the artificial grass surfacing, as work proceeds that may be used to confirm the compliance of the installation with the client's specification. (Full details of the Quality Control system to be operated shall be agreed prior to contract).

On completion

Prior to the issuing of a Certificate of Completion, the Applicant shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification.

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.4 Artificial grass pitches – water-based or "wet" pitches for hockey

Prior to Confirmation of Award

Prior to contract the chosen Framework Contractor shall provide the client with the following:

- A reference sample of the artificial grass surfacing proposed, not less than 500mm x 500mm, together with a sample not less than 500mm x 500mm of any shockpad proposed, at the thickness to which it will be installed.

These samples forms part of the contract and will be used to compare the quality and properties of the finished installation

Note: If the intention is to seek FIH Accreditation for the pitch on completion, then the artificial grass surfacing must be chosen from the list of FIH-approved synthetic surfaces to be found on their website:

<http://www.fih.ch/vsite/vnavsite/page/directory/0,10853,1181-172524-189742-nav-list,00.html>

- An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements of the Applicant.

Generally, these requirements will be that the surfacing meets the requirements of the current FIH - Handbook of Performance Requirements for synthetic turf hockey pitches "The Pitch Handbook".

Further guidance may be found on the FIH website. In particular reference should be made to the document: Guide to Installing Hockey Pitches and Facilities

Helpful advice is also to be found in the Sport England Guide "Selecting the Right Artificial Surface for Hockey, Football, Rugby League and Rugby Union"

During the works

During the works the Framework Contractor shall prepare samples of the synthetic surfacing as work proceeds that may be used to confirm the compliance of the installation with the client's specification. (Full details of the Quality Control system to be operated shall be agreed prior to contract).

On completion

Prior to the issuing of a Certificate of Completion, the Applicant shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification. This would normally include the floodlighting and irrigations systems.

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.5 Tennis courts (outdoor)

Prior to Confirmation of Award

In preparing the specification for the project, reference should be made to the SAPCA document: Code of Practice for the Construction and Maintenance of Tennis Courts .

The chosen Framework Contractor shall provide the client with the following:

- A reference sample of the artificial grass surfacing proposed, not less than 500mm x 500mm, at the thickness to which it will be installed.

This sample will form part of the contract and will be used to compare with the quality and properties of the finished installation

The most important property of a court is its speed or "Pace". The ITF operates a system of classification of court surfaces in terms of Court Pace Rating (CPR).

An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements in the Applicant's specification, and has a CPR which is appropriate to the user profile anticipated.

During the works

During the works the Framework Contractor shall prepare samples of the artificial grass surfacing, as work proceeds, which may be used to confirm the compliance of the installation with the Applicant's specification. (Full details of the Quality Control system to be operated shall be agreed prior to contract).

On completion

Prior to the issuing of a Certificate of Completion, the Applicant shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification. This would normally include assessment of the constructional standards required and the CPR of the surfacing system.

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.6 Multi-Use Games Areas (MUGAs)

Prior to Confirmation of Award

If a polymeric surface is to be used, the chosen Framework Contractor shall provide the Applicant with the following:

- A reference sample of the artificial grass surfacing proposed, not less than 500mm x 500mm, at the thickness to which it will be installed.

This sample will form part of the contract and will be used to compare with the quality and properties of the finished installation.

- An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements in the Employer's specification. In general, these requirements will be compliance with BS EN 14877 "*Synthetic surfaces for outdoor sports areas – Specification.*"

During the works

During the works if a polymeric surface is to be used, the Framework Contractor shall prepare samples of the synthetic surfacing, as work proceeds, which may be used to confirm the compliance of the installation with the client's specification. (Full details of the QC system to be operated shall be agreed prior to contract).

On completion

Prior to the award of a Certificate of Completion, the Employer shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification. This would normally include assessment of the constructional standards required and compliance with BS EN 14877 (see above).

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.7 Netball courts**Prior to contract**

In preparing the specification for the project, reference should be made to the England Netball Design Guide: *Facility and Court Information*" which is to be found at:

http://www.englishnetball.co.uk/the-game/Facilities_and_Courts

This explains the requirements for FIVE categories of netball courts intended to accommodate different standards of competition.

If a polymeric surface is to be used, the chosen Framework Contractor shall provide the client with the following:

- A reference sample of the artificial surfacing proposed, not less than 500 x 500mm, at the thickness to which it will be installed.

This sample will form part of the contract and will be used to compare with the quality and properties of the finished installation

- An independent Test Certificate from an ISO 17025 Accredited test laboratory, confirming that the surfacing system proposed, meets all the performance requirements in the Applicant's specification. In general, these requirements will be compliance with the AENA publication entitled "Categories of Netball. Court and Surface Performance Requirements (1999)".

During the works

During the works if a polymeric surface is to be used, the Framework Contractor shall prepare samples of the artificial surfacing as work proceeds, which may be used to confirm the compliance of the installation with the client's specification. (Full details of the Quality Control system to be operated shall be agreed prior to contract).

On completion

Prior to the issuing of a Certificate of Completion, the Applicant shall be provided with a test report, prepared by an accredited test laboratory, to confirm that the facility meets all the performance requirements in the contract specification. This would normally include assessment of the constructional standards required and compliance with the requirements of the AENA publication (see above).

Prior to expiry of the Rectification Period, etc

Prior to expiry of the Rectification Period, etc the Framework Contractor shall arrange with the Applicant the re-testing of the facility shortly prior to the expiry of the Rectification Period, etc, to demonstrate that the facility continues to comply with all the performance requirements in the contract specification.

1.14.8 Playing Lines

Playing lines for multi sport facilities shall be limited to the principle sports using that facility so that participants can readily identify the playing area.

The selection of the line colour shall be carefully considered depending upon the court/pitch to be accommodated. As a general rule the line for the most frequently played sport will be white with yellow used for the second most frequently played and blue and red the third and forth.

Playing lines for AGPs and synthetic sports surfaces shall be either tufted in during manufacture or cut in when laying the surface. The colour should be UV protected and robust enough to last the life of the playing surface.

1.14.9 Settling down periods

The period for synthetic sports surfaces to settle down after it has been initial laid shall be clearly defined within the O&M manuals provided to the Applicant at handover.

1.15 Fencing

The selection of appropriate surround fencing will be dictated by the principle sports to be played on the surface to effectively retain the sports playing ball whilst allowing spectators and non playing participants to view the area safely.

Security considerations will also have an influence on the fence selection and this will depend upon the particular site location and the risk of unwanted intrusions.

Unless specifically agreed with the Applicant and Sport England, fencing shall be plastic coated galvanised weld mesh which shall be fitted with perimeter rebound or kick boards.

Generally all fencing will be a minimum of 3m high with 4.5 m fencing to the ends of those facilities where hockey, football or five a-side football will be played. Recesses should also be provided within the fence line for the siting of the goals unless the run off area is increased accordingly.

All fencing shall be installed in a manner which will not expose the participants to fixing clips, bolt heads or nuts which may present a hazard to the participating players

Pedestrian access to playing areas shall be through a minimum 1.2m wide single leaf gates with access for maintenance plant and sports equipment being made through a further 3m wide gate. All gates shall be constructed in a similar manner to the fencing and be robust and easy to operate.

There shall be a minimum of two access points within the fencing and at least one of these should be fitted with an emergency release mechanism to allow for exiting the area in an emergency or to escape an act of aggression.

Rebound walls or fencing shall be incorporated where 5 A-side football will be the principal activity on the playing surface

1.16 Dividing netting

Dividing netting may be considered for larger multi court or multi sport facilities to increase flexibility and maximise user time. Where this is required due consideration shall be given to the location of the site and its exposure as this is likely to have an influence on the performance of the netting. All such netting shall be of a robust nature to provide longevity and safeguard those persons on the playing area.

1.17 Testing

To ensure that the playing surfaces satisfy the requirements of this specification and those of the Contracting Body they shall be tested on completion but prior to handover.

On larger projects or where a high standard of performance is required testing will also be required at the end of the Rectification Period to ensure that the facility remains within the standards set. This requirement shall be identified as a part of the investigative stage prior to Confirmation of Award.

All testing shall be undertaken by a specialist testing company such as those accredited by the United Kingdom Accreditation Service (UKAS) or a member of SAPCA's Professional Services Group.

1.18 Quality Assurance

All design and construction work will be undertaken strictly in accordance with the framework Framework Contractor's Quality Assurance procedures. Should the framework Framework Contractor not have a QA system which is fully and currently accredited to ISO 9001 the Framework Contractor shall be required to submit a detailed method statement demonstrating the procedures to be adopted to ensure the quality of the works to be undertaken.

Any method statement prepared in accordance with this clause shall be submitted, for approval, to the Authority as a part of the application prior to Confirmation of Award stage, prior to the execution of any works. Should approval not be forthcoming the Framework Contractor will make any such amendments to the proposed procedures to gain approval. In the event that agreement cannot be reached the Framework Contractor will not be awarded any works under the framework agreement.

1.19 PRICING / COST EXTRACTS

The lump sum prices shall include all works to be undertaken in the execution of the Project.

Pre-Construction Lump Sum Consultancy Service Costs

Table 9.3.1. Pre-Construction Lump Sum Costs for Services provided up to Award Confirmation.

Value Band	Feasibility Report £ (ref clause 7.3.2.4)	Management £ (ref clauses 7.3.2.2, 3, 8, 9, 10 and 15)	Full Design Service £ (ref clauses 7.3.2.5, 6 and 7)	Planning £ (ref clause 7.3.2.11)	Building Control £ (ref clauses 7.3.2.11)	CDM Co-ordinator £ (ref clauses 7.3.2.12)	Employer's Agent, etc function where required £ (Option) (ref clauses 7.3.2.13)
£20,000 to £50,000							
£50,001 to £100,000							
£100,001 to £150,000							
Above £150,001							

Table 9.3.2. Post 'Award Confirmation' Ancillary services

Value Band (Total Project Value)	Completion of Design £ (ref clauses 7.3.3.5 & 6)	Provision of Contract Administrator, etc and QS role as required by the selected form of contract (Optional) £ (ref clauses 7.3.3.4 & 12)	CDM Co-ordinator £ (ref clauses 7.3.3.13)
£20,000 to £50,000			
£50,001 to £100,001			
£100,001 to £150,000			
Above £150,001			

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1.19.1 Construction Phase

The rates and prices included in the following schedules have been split into four categories:

- o Section A - New Build
- o Section B - Resurfacing/ refurbishment
- o Section C - Supply and install rates
- o Section D - Maintenance

Section A and B have been based upon the most typical type of outdoor sports facilities which, for ease of reference have been summarised in the following index.

INDEX OF TYPICAL SPORTS SURFACES

No	Facility	Size
1	3g surfaced rugby pitch with floodlights	130m x 80m (10,400m ²)
2	3g surfaced rugby and football pitch with floodlights	120m x 75m (9,000m ²)
3	Football pitch with floodlights	106m x 71m (7,526m ²)
4	Multisports/Hockey pitch with floodlights	101.4m x 63m (6,388m ²)
5	Mini soccer/rugby training pitch with floodlights	61m x 42.6m (2,599m ²)
6	Macadam surfaced, tennis court	36.58m x 18.29m (669m ²)
7	Block of two floodlit, macadam surfaced, tennis courts	36.58m x 33.53 (1,227m ²)
8	Block of four floodlit, macadam surface, tennis courts	36.58m x 64.01 (2,342m ²)
9	Block of six floodlit, macadam surfaced, tennis courts.	36.58m x 94.49 (3,456m ²)
10	Floodlit, macadam surfaced, Tennis/Netball Court	36.6m x 21.35m (782m ²)
11	Block of two floodlit, macadam surfaced, Tennis/Netball Court	36.6m x 37.6m (1,377m ²)
12	Block of four floodlit, macadam surface, Tennis/Netball Court	36.6m x 79.1m (2,895m ²)

13	Block of six floodlit, macadam surfaced, tennis/netball courts.	36.6m x 117.6m (4,304m ²)
14	Floodlit, Type 4 Polymeric Surfaced, Multi-Use Games Area	36.6m x 21.35m (720m ²)
15	Floodlit, Type 4 Polymeric Surfaced, Multi-Use Games Area	25m x 16.5m (412.5m ²)
16	Synthetic surfaced cricket practice wicket (macadam base) with a batting cage (1 bay)	32m x 3m (96m ²)
17	Synthetic surfaced cricket practice wicket (dynamic base) with a batting cage (1 bay)	32m x 3m (96m ²)
18	Synthetic surfaced cricket practice wicket (macadam base) with a batting cage (4 bay)	32m x 12m (384m ²)
19	Synthetic surfaced cricket practice wicket (dynamic base) with a batting cage (4 bay)	32m x 12m (384m ²)
20	Synthetic surfaced cricket match wicket (macadam base)	32m x 3m (96m ²)
21	Synthetic surfaced cricket match wicket (dynamic base)	32m x 3m (96m ²)
22	Six lane athletics track with lights, two six lane straights, two fans, 2 javelin runways, 1 combined hammer/discus cage, 1 external shot circle and fan, 1 double ended pole vault runway with central landing area, 1 single ended long/triple jump runway with sand pit. Grass infield.	(7,640m ²)
23	Eight lane athletics track with lights, two eight lane straights, two fans, 1 combined hammer/discus cage, 1 external shot circle and fan, 1 double ended pole vault runway with central landing area, 1 single ended long/triple jump runway with sand pit. Grass infield.	

Pricing Assumptions

The prices to be submitted for items 1 – 5 above should assume;

- Level site (no cut and fill).
- Topsoil (200mm depth) excavated and carted off site. Sub-soil excavated and carted from site. Formation beneath trimmed and graded to form a plateau having a single plane gradient not exceeding 1%. Some topsoil

kept on site for landscaping around pitch.

- Geotextile membrane placed onto formation beneath.
- 300mm stone depth (250mm MOT Type 3 and 50mm MOT Type 1) placed on to formation in layers not exceeding 150mm. Final 50mm machine laid.
- 65mm depth of porous macadam (40mm depth of 20mm nominal aggregate size and 25mm depth of 10mm nominal aggregate size). Macadam machine laid.
- Weldmesh fencing (3m high and 4.5m behind the goals at each end). 8 No. Goal recesses included on football pitches. Rugby pitch fencing 5m all around with additional 5m high netting behind goals (on extended fence posts).
- Available drainage outfall on site within 20m of edge of pitch.
- Pitch lateral drainage system. 80mm diameter laterals at 5m centres. 150mm diameter perimeter drain around edge of pitch. Solid wall pipe to outfall and catch-pits included.
- No special ground conditions i.e. ground stabilization or decontamination not allowed for.
- Dimensions shown are fenced enclosure sizes.
- All lighting provision will be undertaken by the External lighting Framework Contractor appointed under the sister Sport England framework. This work should be coordinated with the main sports surface works who will act as Principal Contractor to the Lighting contractor

The prices to be submitted for items 6 -11 above should assume:

- Level site (no cut and fill)
- Topsoil (200mm depth) excavated and carted off site. Sub-soil excavated and carted from site. Formation beneath trimmed and graded to form a plateau having a single plane gradient not exceeding
 - 1:120 for tennis courts,
 - 1:100 for the MUGA
 - Level for the athletics tracks and runways with a 1:100 cross-fall.
- Geotextile membrane placed onto formation beneath.
- 300mm stone depth (300mm depth of MOT Type 3) placed on to formation in layers not exceeding 150mm for the Courts, MUGA and cricket wickets. Final 50mm of stone laid through paving machine. 372mm depth of MOT Type 3 stone for athletics tracks and runways placed on to formation in layers not exceeding 150mm. Final 50mm of stone laid through paving machine.
- 65mm depth of porous macadam for all facilities. Macadam is machine laid for athletic track circuit and D's, and for the four block court. Macadam is hand-laid on all other facilities. 40mm depth of 20mm nominal aggregate size and 25mm depth of 10mm nominal aggregate size for Track and Runways, MUGA and Cricket Strip. 40mm depth of 20mm nominal aggregate size and 25mm depth of 6mm nominal aggregate size for tennis and netball courts.
- Weldmesh fencing (2.75m high chainlink for tennis and netball courts, 3m high twin wire for MUGA). 1.2m high spectator fencing around athletics

facilities.

- Available drainage outfall on site within 20m of edge of pitch and that the ground conditions will offer reasonable (but not ideal) conditions for soakaways.
- Perimeter drainage system (110mm diameter) around courts and MUGA. Solid wall pipe to outfall and catch-pits included.
- No special ground conditions i.e. ground stabilization or decontamination not allowed for.
- Dimensions shown are fenced enclosure sizes
- All lighting provision will be undertaken by the External lighting Framework Contractor appointed under the sister Sport England framework. This work should be coordinated with the main sports surface works who will act as Principal Contractor to the Lighting contractor

1.19.2 SECTION A - New Facility Prices

Prices are to include:

- Site setup, including welfare facilities and office accommodation.
- Assessment of the ground conditions to establish the sub strata underlying playing surface to enable the design of the sub-grade and drainage arrangements
- The design and development of the works in line with the general specification provided within this document to provide a quality product commensurate with the Applicant's, Sport England's and/or the OCB's requirements.
- Construction of the drainage arrangements including any porous layers beneath the playing surface. This shall include undertaking percolation tests and level surveys and any other testing necessary to design suitable discharge arrangements for the surface water from the playing surface. The design of the drainage system shall incorporate SUDS wherever practicable
- Provision and laying of all materials required to form an adequate and stable base for the playing surface which shall be laid to tolerances commensurate to the playing standards and participation levels proposed for the facility.
- Provision and laying of the stated playing surface including all lines and marking required for the required sport or sports laid to tolerances commensurate to the playing standards and participation levels proposed for the facility.
- Disposal of all arisings and waste materials arising from the execution of the works to recognised disposal locations.
- Wherever practicable the Framework Contractor shall minimise the amount of disposal of excavated material off site with the creation of bunds, spectator banks, general landscaping and the like.
- Execution of the works in a safe manner at all times with due regard for the workforce, the public and all others who may be affected by the operations.
- Where applicable fulfil the role of 'Principal Contractor', 'Designer' and CDM Co-ordinator as prescribed within the Construction Design and Management Regulations 2007
- Execution of the work in an efficient and cost effective manner and minimising disruption to the all others on the site or adjacent to it who may be affected by the works.

- Keeping the site clean and tidy at all times and making good of all areas on and adjacent to the site which have been disturbed by the works.
- Undertaking suitable testing of the completed surface to verify the performance of that surface and its compliance with the required standards.
- Working closely with the Applicant, Sport England and any other OCB and maintaining good communications with them at all times by attendance at regular meetings to review the design and the progress of the works.
- When required working alongside other separately appointed contractors and liaising with them in terms of programme and method of working including the provision of suitable Risk Assessments method statements and the like to ensure a safe and effective execution of the works.
- All Framework Contractor's preliminaries, overheads and profit

Examples of some of the 20+ options are detailed in the tables below:

2.0 - 3G SURFACED RUGBY AND FOOTBALL PITCH WITH FLOODLIGHTS (120m x 75m (9,000m²))

Construction Element	Cost £	
Preliminaries		
Earthworks and cart off site (200mm depth of topsoil and 250mm depth of subsoil – some topsoil left on site)		
Drainage		
Trim and grade formation and geotextile membrane		
Stone Foundations (300mm depth)		
Perimeter Edgings (150mm x 50mm)		
Slabbed mowing strip outside fence line.		
2 layer porous macadam base (40mm thick base course and 25mm thick wearing course)		
25mm thick in-situ shockpad		
Synthetic Turf Carpet (65mm pile length) and line markings		
Fencing (5m high weldmesh all around pitch with additional 5m high netting behind goals)		
Path to pitch		
Reinstatement		
Any other items not specified in this document but considered to be necessary by the Framework Contractor (please list and price)		
Grand Total (excluding VAT)	£	
Extra over standard fencing for 'twin wired fencing		

3.0 - FOOTBALL PITCH WITH FLOODLIGHTS - 106m x 71m (7,526m²)

Construction Element	Sand Filled (23mm)	3g (65mm)	3g (60mm)	3g (50mm)	3g (40mm)
Preliminaries					
Earthworks and cart off site (200mm depth of topsoil and 230mm depth of subsoil – some topsoil left on site)					
Trim and grade formation and geotextile					
Drainage					
Stone Foundations 300mm depth					
Perimeter Edgings 150mm x 50mm					
Slabbed mowing strip outside fence line					
2 layer porous macadam base (40mm thick base course and 25mm thick wearing course)					
15mm thick in-situ shockpad					
Synthetic Turf Carpet/Lines					
Fencing (weldmesh 3m high 4.5m high behind goals)					
Path to pitch					
Reinstatement					
Any other items not specified in this document but considered to be necessary by the Framework Contractor (please list and price)					
Grand Total (ex VAT) £					

4.0 HOCKEY PITCH WITH FLOODLIGHTS 101.4m x 63m (6,388m²)

Construction Element	Non-Sand Filled (water based)	Sand-Dressed (18mm)	Sand Filled (23mm)	3G (40mm)
Preliminaries				
Earthworks and Cart off site (200mm depth of topsoil and 200mm depth of subsoil – some topsoil left on site)				
Drainage				
Stone Foundations 300mm				
Perimeter Edgings 150mm x 50mm				
Slabbed mowing strip outside fence line				
Trim and grade formation and geotextile				
Macadam Base				
In-situ shockpad				
Synthetic Turf Carpet/Lines				
Fencing (weldmesh 3m high 4.5m high behind goals) includes hockey kickboards				
Irrigation				
Path to pitch				
Reinstatement				
Any other items not specified in this document but considered to be necessary by the Framework Contractor (please list and price)				
Grand Total (exc VAT) £				
EXTRA OVER for twin wired fencing				

5.0 - MINI SOCCER/TRAINING PITCH WITH FLOODLIGHTS 61m x 42.6m (2,599m²)

Construction Element	Sand Filled (23mm)	3g (65mm)	3g (60mm)	3g (50mm)	3g (40mm)
Preliminaries					
Earthworks and cart off site (200mm depth of topsoil and 230mm depth of subsoil – some topsoil left on site)					
Trim and grade formation and geotextile					
Drainage					
Stone Foundations 300mm depth					
Perimeter Edgings 150mm x 50mm					
Slabbed mowing strip outside fence line					
2 layer porous macadam base (40mm thick base course and 25mm thick wearing course)					
15mm thick in-situ shockpad					
Synthetic Turf Carpet/Lines					
Fencing (weldmesh 3m high 4.5m high behind goals)					
Path to pitch					
Reinstatement					
Any other items not specified in this document but considered to be necessary by the Framework Contractor (please list and price)					
Grand Total (ex VAT) £					
EXTRA OVER for twin wired fencing					

6.0 - SINGLE, MACADAM SURFACED, FLOODLIT TENNIS COURT - 36.58m x 18.29 (669m²)

Construction Element	Cost £	
Preliminaries		
Earthworks and cart off site (200mm depth of topsoil and 150mm depth of subsoil – some topsoil left on site)		
Drainage (110mm dia perimeter drains)		
Trim and grade formation and geotextile membrane		
Stone Foundations (300mm depth MOT Type 3)		
Perimeter Edgings (150mm x 50mm)		
Slabbed mowing strip outside fence line.		
2 layer porous macadam base (40mm thick base course and 25mm thick wearing course)		
Line markings		
Fencing (2.75m high chainlink)		
Path to court and bootscraper		
Reinstatement		
Any other items not specified in this document but considered to be necessary by the Framework Contractor (please list and price)		
Add for slip resistant colour coating		
Grand Total (excluding VAT)	£	
EO for 10mm sand filled synthetic turf carpet onto the porous macadam.		
EO for 20mm sand filled synthetic turf carpet onto the porous macadam.		
EO for non-porous acrylic onto a dense macadam base.		
EO for cushioned acrylic onto a dense macadam base.		

9.4 SECTION C – SUPPLY and INSTALL SCHEDULE of RATES

The Framework Contractor can offer to vary the surfacing and supply and install equipment as part of the Framework Agreement. An extract is as below:

	Construction Element	Unit	Rate
1.0	Ground works		
1.5A	EO Item 1.5 for Mobilisation costs associated with the introduction of ground stabilisation.	Sum	
4.0	Synthetic Surfaces (Additional Items)		
4.59	10mm sand filled carpet (PE Monofilament)	m²	
4.60	18mm sand filled carpet (PE Monofilament)	m²	
4.70	23mm sand filled carpet (PE Monofilament)	m²	
4.71	24mm sand filled carpet (PE Monofilament)	m²	
4.72	18mm sand-dressed carpet (PE Monofilament)	m²	
4.73	18mm water based carpet (PE Monofilament)	m²	
4.74	EO Cost for providing a shock pad which provides 0.15Mpa to meet FIFA and IRB standards rather than 0.10Mpa to meet Sport England guidance.	m²	
4.75	EO for providing IAAF Class 1 test certificate in stead of a UKA certificate for athletic tracks	Sum	
4.76	EO for providing IAAF Class2 test certificate in stead of a UKA certificate for athletic tracks	Sum	
4.77	EO cost for increased cost of aggregate based materials (sub-base and macadam) to be applied to projects within Norfolk and Suffolk in addition to the regional percentage to be calculated on the overall area of the pitch.	m²	
	Equipment		
7.0	Sports Equipment		
7.1	Rugby Posts per pitch	Pitch	
7.2	Full size football goals complete with nets	Pitch	
7.3	5 a-side football goals complete with nets	Pitch	
7.4	Hockey goals and nets	Pitch	
7.5	Tennis nets and posts	Court	
7.6	Hammer net	Sum	
7.7	High hurdles	No	

	Construction Element	Unit	Rate
7.8	Low hurdles	No	
7.9	Steeple chase hurdles	No	
7.10	Pole vault landing mat and rail	Sum	
7.11	High jump mat and rail	Sum	
7.12	Fixed basketball hoops and backboard for MUGA including all supports.	Each	
8.0	Maintenance Equipment		
8.1	Tractor and drag brush suitable for full size rugby or football pitch.	Sum	
8.2	Tractor and drag brush suitable for half size rugby or football training 5 a-side pitch.	Sum	

MAINTENANCE REGIMES

9.4.1 SECTION D – Maintenance Costs

The Framework Contractors are able to offer comprehensive maintenance contracts. An extract of the contract is attached.

	Construction Element	Rate
7.0	Macadam Tennis Courts (Minor Maintenance package)	
7.1	Single court	
7.2	Double court block	
7.3	Four Block	
7.4	Six Block	
8.0	Sand Filled artificial surfaced tennis courts Pitches (Minor Maintenance package)	
8.1	Single court	
8.2	Double court block	
8.3	Four Block	
8.4	Six Block	