



*Schola Europaea*  
European School of Mol

## TENDER SPECIFICATIONS

OPEN PROCEDURE  
TENDER N° 2024\_05

### SUPPLY OF OUTDOOR FURNITURE AND SIGNAGE

Number of lots: 6

1. Canopies and Tents
2. Children's play areas
3. Outdoor furniture
4. Outdoor floors
5. Signage
6. Electronical displays

Contracting authority: **European school of Mol.**

Award method: **Best value for money.**

Type of contract: **Open procedure (Multiframework contracts for every lot)**

Estimated Value: **600.000,00€ (whole duration of 4 years)**

## Part 2 .- Technical Specifications

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## 1. OBJECT:

The European School of Mol is launching this public tender procedure for a multi-framework contract, selecting up to two contractors for each of the 6 lots. The contract pertains to the procurement, with or without installation, of various outdoor equipment and signage over the next four years. The objective is to refurbish the school's outdoor spaces with high-quality equipment that meets stringent safety and ergonomic standards, ensuring suitability for a school community.

## 2. LIST OF PRODUCTS

### 2.1. Lot 1: Canopies and Tents.

The installation will include a selection of canopies and tents designed to provide shelter and shade in outdoor (play) areas. These structures will be constructed from durable, weather-resistant materials to ensure longevity and safety. Various styles and sizes can accommodate different activities and group sizes, creating comfortable, shaded.



Tensioned textile covers supported by cables or perimeter posts that are designed to maintain the membrane under tension, complemented by a sturdy metal structure to withstand external forces. Customizable designs can be tailored to fit the available space, offering options for one or two slopes, as well as vertical enclosures on the sides and/or rear, depending on the specific requirements.

Material: PVC or PTFE.

Wind resistance to be ensured through the use of secured masts or tensioned metal ropes, providing stability and preventing wind suction forces from compromising the structure.

The shape of the awning should be able to drain the weight of rain or snow (minimum 40-50 kg/m<sup>2</sup>).

#### Possibilities

**Seams and joints:** are constructed using a combination of sewing, welding, gluing, cordage, or clamping techniques to ensure structural integrity and durability.

**Perimeter edges:** in rigid or flexible options (perimeter edges can be unreinforced, reinforced with hems, tape, rope, inner cables or outer cables). They can be semi-free (with transition elements) or rigid (utilizing tubes, profiles, clamps, channels, guides).

**Edges:** may be designed as hanging, supported, tied-down valleys or supported valleys to accommodate various structural requirement.

**Corners:** can be configured as external or open, with options for overlapped or closed designs for enhanced stability.

**Anchor plates:** positioned at the bases of masts and anchors, with the possibility of being articulated in an active (prestressed) or passive manner. Anchoring solutions may be surface-based (stakes, piles, wells, footings, screen elements, sheet piles, solids, bags, tubes) or deep (plates, helices, profiles, gratings, logs, bars or solids). It is essential to conduct a thorough assessment of the soil resistance or anchoring walls prior to installation.

## **2.2. Lot 2: Children's play areas**

The design and installation of children's play areas will feature a range of equipment and activities tailored to promote physical, social, and cognitive development. These spaces will incorporate safe, high-quality materials and structures, ensuring compliance with safety regulations and guidelines. The play areas will be designed to cater to various age groups, providing inclusive and stimulating environments that encourage imaginative play, interaction, and exploration.

### **a. Toboggans / combos and Parcours**

The installation will include a variety of toboggans, combination structures, and parcours (obstacle courses), designed to provide engaging and challenging play experiences for children.



A modular set consisting of 3 ALU 5 towers, or similar models with the equivalent features, at varying heights of 1.20m and 1.60m. The towers are interconnected by a bridge with steps at different levels and a balance walkway. The structure is recommended for children aged 3 years and older.

Structure (Aluminium): The structural profiles are made from cold-extruded alloy 6005 with a thickness of 2.5 mm. All aluminium profiles have integrated slots designed to securely accommodate mounting bolts connections, ensuring both long-term durability and resistance to vandalism.

Panels (HDPE): Constructed from high-density polyethylene (HDPE) offering exceptional resistance to chemical abrasives and corrosion, along with high impact durability. The slides are manufactured using a mixture of polyethylene and anti-static particles to prevent static build-up. It is recommended that a ground connection be installed for all installations to ensure safety and optimal performance.

Nets (vandal-proof reinforced rope): made with a 16mm diameter rope featuring 6 braided steel wires, coated with polypropylene for enhanced durability. The nets are secured with exceptionally durable plastic connectors.

Metal parts: manufactured from AISI-304 stainless steel, hot-dip galvanized steel, and aluminium, ensuring excellent corrosion resistance and long-lasting durability.

Screws: Electro galvanized and stainless-steel screws, rated 8.8 DIN267, AISI-304, for secure and stable fastening. TÜV certified for compliance with international and quality standards.

The new children's play equipment will be supplied, arranged, and installed, along with the execution of the foundation work that is determined by the installer. This will be performed with the manufacturer's technical specifications and recommendations.

### **b. Swings**

The installation will feature a variety of swings designed to provide safe and enjoyable play experiences for children of different ages. Options may include traditional belt swings, bucket swings for younger children, and adaptive swings for children with special needs. Each swing set will be constructed from high-quality materials to ensure durability and safety. The swings will be anchored securely to withstand vigorous use, and the surrounding area will be designed to minimize the risk of injury.



**Slide, PE + Rice husk:** constructed from a composite material composed of 15% of plant-based material (rice husk) and 85% low-density linear polyethylene (LDPE) ensuring both durability and an eco-friendly profile.

**Platforms, phenolic:** made from birch plywood. These platforms are covered on both sides with a phenolic film providing a non-slip embossed surface along with waterproof side protection for enhanced safety.

**Plastic parts:** comprising high-quality polyethylene and polypropylene for strength and resistance to wear.

**Metal parts:** fabricated from hot-dip galvanized steel, offering excellent corrosion resistance and structural integrity.

**Screws:** unions electro-galvanized and stainless-steel screws, rated 8.8 DIN267, AISI-304, ensuring secure assembly and longevity.

**Chains:** feature 5mm links made from AISI 304 stainless steel, providing robust support and durability.

### c. Pannakooi: Mini football or multisport

The installation will include a Pannakooi, a compact and versatile structure designed for mini football or multisport activities. This enclosed play area promotes skill development, teamwork, and physical activity in a safe environment. Constructed from durable materials, the Pannakooi will feature reinforced walls and a robust playing surface, ensuring longevity and resistance to wear. The design will cater to children of various ages and skill levels, fostering an inclusive atmosphere for recreational play and organized games.



**Specifications:** The Pannakooi will have no nets and no floor requirement, providing a versatile play area suitable for mini football and multisport activities.

**Material:** Constructed from high-quality steel, ensuring durability and resistance to environmental conditions.

**Installation:** The structure will be securely fixed to the floor, providing stability and safety during use. All installation procedures will adhere to relevant safety standards and guidelines to ensure a secure playing environment.

### d. Sandpits and sandboxes



The installation will include a range of sandpits and sandboxes designed to encourage imaginative play and sensory exploration among children.

**Minimum Size:** 3 x 3 m

**Material:** The sandpits and sandboxes will be constructed from either high-quality wood or recycled plastic, ensuring durability and environmental sustainability.

**Design Features:** Each sandpit will be designed with rounded edges for safety and will include a removable cover to keep the sand clean and free from debris when not in use. The design will promote imaginative play, sensory exploration, and social interaction among children.

**Installation:** Proper installation will ensure stability and safety, adhering to relevant safety standards and guidelines. The sand used will be clean and safe for children's play, providing a secure and enjoyable environment.

### e. Climbing Wall Panels



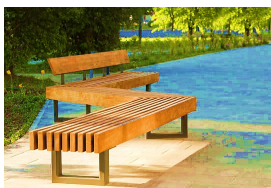
**Panels Material:** Constructed from durable fiberglass, providing a strong and weather-resistant surface for climbing activities.

**Holds:** Made from PE plastic, with a minimum of 25 holds in various colors to enhance visual appeal and encourage creativity in climbing routes.

**Installation:** The climbing wall panels will be installed using special screws designed to support weights greater than 200 kg, ensuring safety and stability during use. All installation processes will comply with relevant safety standards to provide a secure and enjoyable climbing experience for children and users.

## 2.3. Lot 3: Outdoor furniture

### a. Set and Single benches



**Material:** The benches will be constructed from either durable wood or recycled plastic, designed to withstand outdoor conditions and provide long-lasting use.

**Structure Options:** Bench structures can be made from metal or concrete, ensuring stability and resilience against the elements.

**Installation:** Each bench will be securely fixed to the ground in a stabilized position to enhance safety and prevent movement during use. The installation will comply with relevant safety standards and guidelines to ensure a secure and comfortable seating area for users.

### b. Benches and picnic Tables



Standard sizes or similar:

- Mini: 120x98x50 cm - Seat height: 28 cm
- Midi: 131x180x55 cm - Seat height: 46 cm
- Large: 131x180x76 cm - Seat height: 47 cm

**Design Features:** The picnic tables will be constructed from planks with benches attached to each side. The planks will feature rounded or smoothed edges to eliminate sharp or cutting elements, ensuring safety for users.

**Material:** Each table will be manufactured from 100% high-quality recycled plastic, which is recyclable, or wood certified with green labels. All materials will be free from contaminants.

**Durability:** The picnic tables and benches will be designed for minimal maintenance and treatment, exhibiting resistance to weathering, acids, oils, and anti-graffiti properties.

**Colour and Design Options:** There will be a variety of colours and designs available to suit different preferences and settings.

**Anchoring:** The anchors used to secure the tables to the support base, which can be natural grass or compacted earth, will be completely concealed to maintain a clean and aesthetically pleasing appearance.

### c. Bike Parking / covers



#### Possibilities:

- available in single or double-sided configurations, providing versatility to suit different space requirements and user needs.
- (optional) possibility to connect a charging solution for electrical bikes, with solar panel, etc.

#### Structure: the framework will consist of:

- round tube posts  $\varnothing 50\text{mm}$ ;
- IPE beams 100mm;
- rectangular tube section 60x30mm;
- "L" section 100x100mm (or similar)

**Roof:** constructed from 16mm makrolon polycarbonate to withstand a snow load of up to 150kg/m<sup>2</sup>, ensuring durability and safety in various weather conditions.

**Fixing:** The structure will be securely fixed to the ground, using a surface mount method, ensuring stability and safety during use.

### d. Bins



**Configuration:** Minimum of three sorted bins designated for **Paper-Carton**, **PMD** (Plastic, Metal, and Drink Cartons), and **All-Rests** (general waste).

**Capacity:** Each bin will have a minimum capacity of 40 liters to accommodate a sufficient amount of waste.

**Entry Mouth:** Designed with an entry opening that prevents the introduction of bulky objects and full garbage bags, ensuring proper sorting and disposal.

**Features:** Each bin will be equipped with a cover and a foot pedal for hands-free operation, promoting hygiene and ease of use. The bins will be constructed from durable materials suitable for outdoor use, ensuring long-lasting functionality.

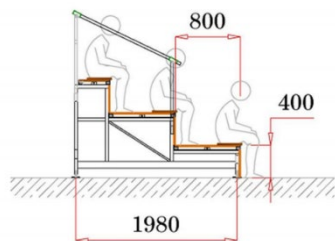
### e. Flowerpots and Planters

**Variety:** Available in different models, capacities, and sizes to accommodate a wide range of planting needs and aesthetic preferences.

**Material:** Constructed from durable materials, such as wood or recycled materials, ensuring longevity and sustainability.

**Maintenance:** Designed for minimal maintenance, these flowerpots and planters will not require any special treatment or upkeep, making them suitable for outdoor environments. They will be resistant to weather elements, ensuring they maintain their integrity and appearance over time.

#### f. Steps and Bleachers for exterior



**Structure:** The bleachers will feature a robust metal structure designed to support a weight capacity of 500 kg/m<sup>2</sup>, with continuous arc welding joints for enhanced stability and durability.

**Surface:** The seating surface will be made from weather-resistant wood, ensuring longevity in outdoor conditions. Additionally, there will be an option to install polypropylene seats, which are designed to prevent water accumulation and are not prone to flooding during rain.

**Safety Features:** All profiles will be constructed without sharp edges or corners to ensure user safety.

**Mobility:** Equipped with wheels on the back, the bleachers will allow for easy mobility and repositioning as needed.

**Capacity and Dimensions:** The bleachers will accommodate a minimum of 8 persons per step, with a maximum of 3 levels. The total maximum height of the structure will be 130 cm, divided into 3 steps to facilitate access and seating.

## 2.4. Lot 4: Outdoor floors

Bidders are required to provide a detailed description of the technical characteristics of their proposals, addressing the following aspects:

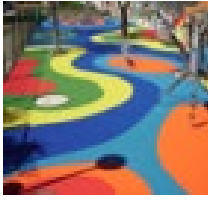
- **Resistance:** Specifications regarding the structural integrity and load-bearing capacity of the materials used.
- **Durability:** Information on the lifespan and performance of the materials under various environmental conditions.
- **Material:** A comprehensive overview of the materials used, including their composition and any relevant certifications.
- **Guarantees:** Details of any warranties or guarantees provided for the products and installations, including duration and coverage.
- **Safety:** An assessment of safety features integrated into the design, ensuring compliance with relevant safety standards and regulations.

Additionally, tenderers must include a plan for the installation process on-site, ensuring that all procedures adhere to safety and quality standards.

#### a. Rubber Continuous floor (Per m2)

Coating characteristics.





- **Non-slip:** The surface will provide excellent grip, ensuring safety during use, even in wet conditions.
- **Adaptable to the surface:** the flooring will be designed to conform to various underlying surfaces, allowing for seamless installation on different terrains.
- **Regenerable:** In the event of punctures or damage, the flooring can be repaired to restore its integrity and appearance.

#### Coating composition.

- **Primer coat :** A primer layer will be applied to enhance adhesion and ensure optimal performance of the top layers.
- **Layer of synthetic rubber (SBR):** The flooring will include a layer of synthetic rubber granules with a diameter of 2-7 mm, available in various colours. This layer will be agglomerated with polyurethane resin (the mixture must be homogenized). The percentage of polyurethane resin used will be no less than 11-12%. The thickness of this layer will be tailored to accommodate the critical fall height of the installed play equipment, in compliance with the UNE standard.
- **Top finishing layer:** a top finishing layer of 10mm thickness will be added, composed of coloured granules (EPDM) ranging from 1-4 mm in diameter. These granules will be coloured throughout and agglomerated with polyurethane resin in a percentage of no less than 19-20%.

#### b. EPDM tiles (50x50- 45mm)

**Product Description:** The EPDM (Ethylene Propylene Diene Monomer) tiles will measure 50 cm x 50 cm and have a thickness of 45 mm, designed for use in outdoor play areas and recreational spaces.



##### Coating Characteristics:

- **Non-Slip Surface:** The tiles will feature a textured surface that provides excellent grip, enhancing safety for users during play.
- **Durability:** EPDM with resistance to weather conditions, UV radiation, and wear, ensuring long-lasting performance.
- **Adaptability:** These tiles can be installed over various surfaces, including concrete, asphalt, or compacted earth, allowing for versatile applications.
- **Regenerable:** In case of damage or wear, the tiles can be easily replaced or repaired, ensuring the continued safety and aesthetics of the play area.

##### Installation:

- **Easy Installation:** The interlocking design must facilitate straightforward installation, reducing labour time and costs.
- **Anchor Options:** Tiles can be secured using adhesive or mechanical anchoring methods, depending on the underlying surface and intended use.

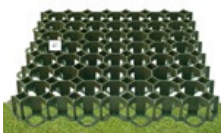
##### Safety Compliance:

- The tiles will meet relevant safety standards, including critical fall height requirements, ensuring that they provide adequate cushioning for impact protection in playgrounds.

##### Colour Options:

- Available in a range of colours, allowing for customization to suit the design theme of the play area while promoting visual appeal.

#### c. Grass protection mats (50x50 cm)



**Product Description:** The grass protection mats will measure 50 cm x 50 cm and designed to protect grass surfaces from wear and damage, particularly in high-traffic areas such as playgrounds, event spaces, and pathways.

##### Material Composition:

- **Durable Construction:** Made from high-quality, UV-stabilized polyethylene or polypropylene, ensuring resistance to environmental elements and prolonged lifespan.
- **Lightweight Design:** Easy to handle and install, or suitable for various applications.

#### Coating Characteristics:

- **Non-Slip Surface:** The textured surface will provide traction, preventing slipping and enhancing safety for users.
- **Adaptability:** The mats can be laid over natural grass, helping to distribute weight and reduce soil compaction. They will be designed to allow water and nutrients to reach the grass below.
- **Regenerative Properties:** The mats will help protect the underlying grass, allowing it to recover even after heavy foot traffic.

#### Installation:

- **Easy to Install:** The interlocking design facilitates quick and efficient installation without the need for specialized tools.
- **Anchoring Options:** Mats should be secured to the ground using stakes or pegs if additional stability is required, especially in windy conditions.

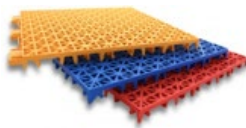
#### Environmental Compliance:

- **Eco-Friendly:** Made from recyclable materials, contributing to environmental sustainability.

#### Colour Options:

- Available in green and other colours to blend seamlessly with the natural environment, maintaining aesthetic appeal while providing functionality.

#### d. Plastic tiles (30,5 cm)



**Product Description:** The plastic tiles will measure 30.5 cm x 30.5 cm, and will be designed for versatile use in outdoor and indoor applications, including playgrounds, walkways, and recreational areas.

#### Material Composition:

- **High-Quality Plastic:** Made from durable, UV-stabilized polyethylene or polypropylene, ensuring resistance to fading, weathering, and impact.

#### Coating Characteristics:

- **Non-Slip Surface:** The tiles will feature a textured surface that provides excellent grip, enhancing safety during use in wet or dry conditions.
- **Durability:** Resistant to cracking, chipping, and wear, ensuring longevity even in high-traffic areas.
- **Lightweight Design:** Easy to transport and install, for various applications.

#### Installation:

- **Interlocking Design:** The tiles will feature an interlocking mechanism, allowing for quick and straightforward assembly without the need for adhesives or special tools.
- **Versatile Application:** Suitable for installation over various surfaces, including concrete, asphalt, or compacted earth, allowing for flexible use in different environments.

#### Safety Compliance:

- **Impact Absorption:** Designed to provide cushioning, the tiles will help reduce the risk of injuries from falls, making them suitable for playgrounds and activity areas.

#### Colour Options:

- Available in a range of vibrant colours, allowing for customization to suit specific design themes or preferences.
- These plastic tiles must offer a durable, safe, and visually appealing flooring solution suitable for both recreational and functional purposes.

## 2.5. Lot 5: signage

The markings on traffic signs and painted drawings must adhere to the following specifications:

- **Compliance Standards:** All markings must comply with the UNE 135200-3 standard, Method B, or UNE EN 13197. This includes regulations regarding shapes, geometry, height, and spacing of the markings to ensure clarity and visibility.
- **Durability:** The materials used for the markings must be resistant to inclement weather conditions, ensuring longevity and functionality over time. This includes resistance to fading, wear, and environmental exposure.
- **Luminescence and Fluorescence:** Markings must be luminescent or fluorescent, providing visibility in low-light conditions or darkness. This feature enhances safety by ensuring that markings are easily discernible at all times.

### a. Traffic signs and location indicators



Traffic signs and location indicators are essential components for guiding and regulating traffic in public spaces. These elements play a crucial role in enhancing safety, providing information, and directing pedestrians and vehicles.

#### Specifications:

- **Compliance Standards:** All traffic signs and location indicators must comply with relevant standards, including UNE 135200-3 (Method B) and UNE EN 13197. This ensures that their shapes, geometry, height, and spacing are designed for optimal visibility and comprehension.
- **Material Durability:** Signs must be constructed from weather-resistant materials that withstand environmental conditions, including rain, sun exposure, and temperature fluctuations. This ensures long-lasting performance and visibility.
- **Visibility:**
  - **Reflective Coatings:** Signs must incorporate reflective coatings or materials that enhance visibility during night-time or low-light conditions.
  - **Luminescence/Fluorescence:** In addition to reflective properties, certain signs should be luminescent or fluorescent to improve visibility in darkness, ensuring they are easily seen by drivers and pedestrians.
- **Design Features:**
  - **Standardized Shapes and Colours:** Signs must follow standardized shapes and colours to promote instant recognition and understanding by users.
  - **Height and Spacing:** The installation height and spacing between signs should comply with regulatory standards to ensure they are easily seen and understood.
- **Installation:**
  - **Secure Mounting:** Traffic signs and location indicators must be securely mounted on poles or walls to prevent movement and ensure stability.
  - **Accessibility:** Sign placement should consider the visibility for all users, including pedestrians, cyclists, and drivers, ensuring accessibility from various vantage points.

### b. Thermoplastic paint for soil.



Thermoplastic paint is a durable, high-performance marking material used for creating road markings, parking lot lines, and other surface indicators on asphalt and concrete. It is specifically formulated to withstand wear and tear from vehicular traffic while providing high visibility.

**Specifications:**

- **Composition:**
  - Made from a blend of thermoplastic resins, pigments, and additives that enhance durability and visibility.
  - Includes reflective glass beads for improved visibility in low-light conditions.
- **Compliance Standards:**
  - Must adhere to UNE 135200-3 (Method B) or UNE EN 13197 standards for quality, application, and performance.
  - Markings should comply with legal requirements for road signage and pavement markings.
- **Durability:**
  - Designed to withstand harsh weather conditions, including rain, snow, and extreme temperatures.
  - Highly resistant to abrasion, ensuring long-lasting markings even under heavy traffic conditions.
- **Application Characteristics:**
  - **Thermal Application:** Applied at elevated temperatures (typically between 180-220°C), allowing for a smooth and uniform application.
  - **Fast-Drying:** Quickly cures to allow for rapid reopening of surfaces to traffic, minimizing disruption.
- **Visibility:**
  - Provides vibrant colours, including white, yellow, and other hues, with high reflectivity to enhance visibility during day and night.
  - Luminescent or fluorescent options may be available for additional visibility in dark conditions.
- **Safety Features:**
  - Non-slip formulations can be used to enhance safety in high-traffic areas, reducing the risk of accidents.
  - Environmentally friendly options are available, complying with environmental regulations regarding VOC emissions.
- **Maintenance:**
  - The markings should be easy to maintain, with options for reapplication as needed to preserve visibility and effectiveness.

## 2.6. Lot 6. Electronical displays & signage

Electronic displays and signage are digital communication tools used for conveying information, and enhancing visibility in various common spaces. These displays can be employed in a range of applications, including traffic management, information, announcements, and wayfinding.

Minimum power 100 watts.

a. **LED information board with straight profiles or information board on column, information sidewalk sign, etc.**



The LED information board will be used for conveying real-time information and announcements.

**Specifications:**

- **Display Technology:**
  - **LED Screen:** Utilizes high-resolution LED technology for vibrant colors, sharp text, and images, ensuring clarity from various viewing distances.
  - **Brightness:** Adjustable brightness settings to maintain visibility in both bright daylight and low-light environments.
- **Board Configuration Options:**
  - **Straight Profiles:** Sleek and modern design for mounting on walls or as standalone units.
  - **Column-Mounted Boards:** Securely attached to columns or poles, ideal for outdoor locations to maximize visibility.
  - **Sidewalk Signs:** Portable, freestanding designs that can be easily repositioned for flexibility in communication.
- **Durability:**
  - **Weatherproof Enclosure:** Designed to withstand outdoor elements with an IP65 or higher rating, ensuring protection against dust and moisture.
  - **Impact Resistance:** Built with durable materials to withstand vandalism and accidental impacts.
- **Content Management:**
  - **Remote Update Capability:** Equipped with a user-friendly content management system (CMS) that allows for easy scheduling and updating of displayed messages remotely.
  - **Dynamic Content Display:** Ability to showcase a mix of text, graphics, animations, and videos to engage viewers effectively.
- **Power Efficiency:**
  - **Energy-Efficient Operation:** Designed to minimize power consumption while delivering high-quality display performance.
  - **Sustainable Features:** Use of recyclable materials in construction where feasible.
- **Safety and Accessibility Features:**
  - **Emergency Messaging:** Capable of displaying urgent alerts and notifications in collaboration with local emergency management systems.
  - **User-Friendly Interface:** Intuitive interface for easy content creation and management, accessible to users with varying technical skills.
- **Installation and Maintenance:**
  - **Flexible Mounting Options:** Can be installed on walls, freestanding structures, or columns, ensuring adaptability to different environments.
  - **Low Maintenance Requirements:** Designed for easy maintenance, with modular components that allow for quick repairs or replacements.
  - **Self-Diagnostic Functions:** Includes monitoring systems to track performance and notify users of any issues requiring attention.

## b. LED Speedometers



LED speedometers, equipped with solar panels and backup battery systems, to promote road safety by alerting drivers of their speed and encouraging compliance with speed limits.

### Specifications:

- **Display Technology:**
  - **LED Lighting:** High-brightness LED technology for clear visibility in all weather conditions and at various distances.
  - **Speed Indication:** Displays vehicle speeds in kilometres per hour (Km/h) prominently, ensuring easy readability.
  - **Smiley Logo:** Integrated smiley logo to provide positive reinforcement for drivers adhering to speed limits, enhancing community engagement and road safety.
- **Power System:**
  - **Solar Panel:** Minimum 100-watt solar panel to harness renewable energy, promoting sustainability.
  - **Backup Battery:** Equipped with a 19 Ah battery, providing at least 7 days of autonomy to ensure continuous operation during periods of low sunlight.
- **Adjustable Speed Limits:**
  - **Speed Range:** Capable of setting adjustable speed limits, allowing for flexibility.
  - **Programmable Settings:** Users can easily program speed limits based on specific requirements or regulations.
- **Motion Detection:**
  - **Integrated Motion Detector:** Equipped with a motion detector that operates within a minimum radius of 40 meters, ensuring timely speed monitoring as vehicles approach.
  - **Real-Time Feedback:** Automatically activates the display when a vehicle enters the detection range, providing immediate feedback to the driver.
- **Installation Options:**
  - **Pole Arrangement:** Designed for secure mounting on poles in various locations such as roadways, school zones, or community areas.
  - **Mobile Trolley Option:** Available in a mobile trolley configuration for temporary placements or events, allowing for flexibility in monitoring traffic in different areas.
- **Durability and Weather Resistance:**
  - **Weatherproof Enclosure:** Constructed with durable, weather-resistant materials, ensuring functionality in diverse environmental conditions.
  - **Impact Resistance:** Designed to withstand impacts and vandalism, ensuring longevity and reliability.
- **Safety and Compliance:**
  - **Regulatory Compliance:** Designed to meet local and national traffic safety regulations, promoting safe driving practices in the community.
  - **Visibility:** Enhanced visibility features ensure that the speedometer is easily seen by approaching drivers, contributing to overall traffic safety.

## 3. CATALOG AND PRICES

Contractors participating in the tender process are required to provide a comprehensive catalogue of various items within each lot for which they are bidding. They may propose discounts on these items, which will be considered as part of the award criteria.

The list of products contained in these specifications is not exclusive for the purchase but rather indicative of the purchasing intentions of the European School. That is to say, during the execution of the contract,

the contractor may offer other alternative products, in which the prices, qualities, etc., will be approved by the contracting authority.

#### 4. WARRANTIES

The guarantee must cover the repair or replacement (either fully or partially) of any defective or improperly installed components. Items deemed defective include those affected by natural wear and tear, accidental damage due to adverse weather conditions, or misuse not intended for regular operation within the specified warranty period.

In the event that repair or replacement of spare parts is necessary, these parts must be available in the manufacturer's stock for at least 10 years following installation. Should the supplier be unable to provide these parts, they must ensure that a similar part can be substituted or that a new part can be manufactured specifically for the purpose.

For installations involving structural constructions that are anchored to the ground, a minimum warranty period of 10 years from the acceptance date of the works must be upheld due to safety considerations. If the manufacturer does not have the original parts in stock, it is required to identify alternative components with comparable characteristics and materials to those initially installed .

The minimum required warranty periods are outlined below. However, bidders may propose extended warranty periods, which will be considered as part of the evaluation criteria for scoring the contact award:

LOT		MINIMUM PERIOD OF WARRANTY
1.	<b>Canopies and Tents</b>	2 years (10 years if it is a structural installation)
2.	<b>Children's play areas</b>	2 years (10 years if it is a structural installation)
3.	<b>Outdoor furniture</b>	2 years
4.	<b>Outdoor floors</b>	10 years
5.	<b>Signage</b>	2 years
6.	<b>Electronical displays</b>	2 years

#### 5. GENERAL CONDITIONS:

For installations involving structural items , the contractor is required to provide a detailed installation plan (including specifications for foundations, dimensions, safety conditions and measures, and any other relevant details). The invoice will be paid, after the reception receipt.

The contractors must comply, in general, and at all times with the applicable legislation and regulations concerning protection and safety standards throughout the execution of the contract. This includes compliance with any other legislation and regulations that may be in force during the supply and installation process.

All supplied products must bear the CE-EU marking, where applicable, ensuring conformity with European safety, health, and environmental protection standards.

The scope of supply will include all transportation and shipping costs, labour, design and site study as well as installation.

The offered materials must meet the technical specifications outlined in this document and be replaced if found defective or malfunctioning with materials of equal type and quality.

The awarded company must have adequate human, technical and material resources, along with as the necessary tools to successfully execute the contract.

### **Requirements for playground equipment manufacturers**

For Playground and playground equipment safety, the contractor must strictly adhere to the regulations<sup>1</sup> outlined in the [Royal Decree of 28 March 2001 in Belgium](#) and the [Code of Economic Law on the safety of products and services](#).

Playground equipment may only be placed on the market if it complies with the general safety requirements and general safety principles for design and manufacturing, as defined by these legal frameworks. This ensures that all playground equipment provided is safe for use and meets the highest safety standards in design, materials, and installation procedures.

Each piece of playground equipment must have the following indelible and non-removable markings, either on the interior or the exterior:

- identification of the playground equipment (e.g. name or reference number);
- brand, name and contact details of the manufacturer;
- year of fabrication, and, if applicable, the type number.

Additionally, the manufacturer must supply a comprehensive document that includes assembly and installation instructions as well as any other relevant information. This document must be provided in the official languages of the regional markets where the playground equipment is sold and installed, ensuring clarity and accessibility for all stakeholders.

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<sup>1</sup> See the Playground equipment safety indications: <https://economie.fgov.be/en/themes/quality-and-safety/safety-products-and-services/specific-regulations/recreational-activities/playground-and-playground>