

10 June 2022

TENDER TECHNICAL SPECIFICATIONS

OPEN TENDERS N° ESMOL 2022_08

**SUPPLY WITH INSTALLATION OF A
CALISTHENICS WORKOUT PARK**

NEGOCIATED PROCEDURE FOR LOW VALUE

Award method: **best price-quality ratio**

Type of contract: **direct contract**

Contracting authority: **European School of Mol**

Tenderers are committed to the provision and the quality of the items listed below.

Any tender which will not meet all these minimum requirements will be considered irregular and will not be taken into consideration in the evaluation process.

However, bidders may offer improvements, additional devices or extensions to the minimum equipment, without adding extra costs (for the same price as their financial proposal). This will be considered in the award criteria, with additional points.

Proposed supplies must meet the MINIMUM requirements listed in the following items.

LOCATION


AVAILABLE SPACE

Minimum 120 m² – maximum of 150 m² (+/- 10m x 15m) is available for the location of all the elements. The space is located at the back of the sports area.



FOUNDATIONS ON THE GROUND

- Footing depth for posts
- Preparatory work for soil compaction and crushing
- Preparation of floor: Concrete or “stabilise” slab or similar. Optional with metallic grid or glass fibre inside, or any other recommended options.
- Minimal slope to one side to allow rainwater to drain away from the area to the fence, located at the edge of the forest.
- Material Concrete minimum C25/30 or more

COMPONENTS /DEVICES	
IMPACT AREA	Minimum 10,00 x 12,00 m
FREE FALL HEIGHT	Between 2.33- 2.95 m
TOTAL HEIGHT MAXIMUM	3,02 m
RECOMMENDED AGE GROUP	≥ 14 years old
MATERIAL	<p>Structure: Stainless steel</p> <p>Components: Aluminium, stainless steel or pre-galvanized carbon steel.</p> <p>Connectors: fiberglass-reinforced plastics</p> <p>Materials shall be weather resistant</p>
FORM	<p>All materials shall be manufactured in a rounded finish, without sharp edges or sharp elements.</p> <p>The tops of the poles shall be covered to prevent water from entering the interior of the pole</p>
MINIMUM THICKNESSES	<p>Posts: Ø 100 x 3,6 mm</p> <p>Bars: Ø 33,7 x 3,2 mm</p> <p>Dipbars: Ø 48 x 2,9 mm</p>
WEIGHT RESISTANCE	Minimum 300 kg per bar
PAINT	Available in any RAL colour [preferably (bars and connectors - Navy Blue #003399 or similar shades) and Black (posts)]
MINIMUM EQUIPEMENT	
Swedish Wall	
	<p>Minimum 1 Swedish Wall: multi-functional device used simply for climbing and for coordination skills. (Installed in the main unit or separately as shown below).</p> <p>Minimum Height 2100 mm x Width 1200mm</p>
	<p>Used in a lying position to do several types of push-up exercises.</p> <p>Minimum Height 1250 mm x Width 1200mm</p>
1 Triple push up bar	



Minimum Height 800 mm x Width 1200mm

Minimum Height 300 mm x Width 1200mm

2 Abs bench



A simple piece of fitness equipment for doing advanced abdominal exercises. (1 or 2 bench)

- Grooved surface to prevent water stagnation (preferably wooden surface with resistance to water)
- With inclination

1 Monkey Bars



Equipment consisting of a horizontally mounted overhead ladder, from which people may swing or do exercises. ([installed to the main unit as shown below](#))

Sizes Minimum 2100x1600 mm

5x Pull bars



Exercise equipment to perform different types of pull ups. ([Installed in the main unit, similar to the provided image](#))

Similar square configuration to fig.

Minimum Height 2100 mm

If possible, it would be valuable to include a support step, to be able to climb one of the bars

1 Parallel bars (dip bars)



A piece of fitness equipment to do dips, and various other gymnastic exercises to develop arm and core strength. (Either 2 or 3 bars. Separate from the main unit)

Minimum Height 1100 mm x length 1300 mm

Minimum distance between bars Width 600mm

Double pull up bar



A classic piece of gym equipment to develop arm strength. (Separate from the main unit)

Minimum Height 2200 mm x Width 1100mm

Minimum Height 1900 mm x Width 1100mm

If possible, it would be valuable to include a support step, to be able to climb one of the bars

Bar with gymnastics rings



Gymnastics apparatus that develops upper body strength. (Optionally Can be Included in the main unit)

Rings (from the bottom of the ring): Minimum Height position 1900 mm

LAYOUT AND DISTRIBUTION OF EQUIPMENT

- It is intended that the configuration of each of the posts (bars, etc.) should be as separate as possible, so that more people can use the facilities except for the 5 main pull up bars, monkey bars, and (optional) Swedish wall and (optional) gymnastic rings.
- At the same time, however, it is required that the structure be compact in terms of its joints, in order to offer greater strength and stability.

FLOORING OPTIONS

Tenderers may offer one of the following flooring options, at their choice, to be scored with evaluable criteria with value judgments on the technical proposal:

RUBBER FIELD

Minimum 120 m2

Fall protection mats synthetic fall protection. Mats of continuous rubber granulate in different layer

	thicknesses according to the drop height (Compatibility HIC test according to DIN/EN 1177). Colours: preferably black or grey
	Minimum 120m2
GRASS FIELD	Artificial Grass or natural grass Including groundwork, Minimum 22mm shock pads

WORKS AND SERVICES INCLUDES

- Installation of calisthenics equipment
- Travel and Transports expenses, loading and unloading of materials and all the different elements that make up the calisthenics area.
- Salaries: Minimum 2 mechanics / workers-installers
- All the aforementioned elements will be suitable for use by a minimum of 10 users at the same time and aged 14 and over.
- Excavation, removal of earth to landfill and formwork.
- Making a rectangular concrete floor of H25 (minimum) concrete must have a thickness that complies with the regulations required for each element
- The continuous floor paving to be laid on top of the concrete must have a thickness that complies with the regulations required for each element.
- Surveillance and fencing of the work during its execution and the setting of the continuous floor.
- Cost of Certification

CONDITIONS

Once the works have been completed, certificates issued by an authorised body verifying that both the elements and the continuous flooring installed comply with the aforementioned regulations will also be required. The company awarded the contract will be obliged to carry out a review and adjustment of the elements installed **three (3) months after** their installation to guarantee their proper functioning and duration. This review will be supervised by the technical staff of the European School.

CERTIFICATIONS

All elements offered must comply with European standards

- **EN 1176** on "General safety requirements and test methods for playground equipment",

- EN-1176-7 on "Guidelines for installation, inspection, maintenance and use and test methods" and
- EN 1177 on "Shock absorbing surfaces". Such compliance shall be justified by the presentation of the corresponding certificates issued by an authorised body.
- EN 16630 on safety requirements and test

MINIMUM WARRANTIES

POSTS	Minimum 5 years
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CONECTORS	Minimum 5 years
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SPARE PARTS	Minimum 5 years
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FLOOR	Minimum 5 years
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It should be described which covers are included in these warranties.

It shall be guaranteed that for at least the first 10 years there are factory replacement parts with the same technical specifications as those installed.

Technical Provisions

a) Responsibility for regulations: The contractor is, in the exercise of its activities, held responsible for the application of all the regulations, all the standards and all the laws in force at the time of the assumption of responsibility and this during the period of application of the contract and in particular:

- The law on well-being and the code on well-being at work
- legislation in force, nomenclature and regulations on dangerous, unhealthy or inconvenient establishments, on protection against the risk of fire and panic, and on the storage and use of flammable liquids;
- decrees and regulations concerning preventive measures and emergency measures against fire;
- regulations and requirements concerning electrical equipment and installations;
- building regulations;
- health regulations;
- environmental permits issued to the Owner;
- regulations concerning hygiene;
- regulations regarding environmental protection and air pollution;
- the General Regulations on Electrical Installations.

The contracting party must obtain, at his own expense, these documents if he does not have them and cannot under any circumstances invoke ignorance of them to evade the obligations contained therein.

The contractor will be responsible at all times for the proper observation of the safety rules by his staff and that of the subcontractors with whom he would be in contact and for the compliance of the installations (except in the event of modification of the legislation or regulations).

The contractor will be responsible for the affixing of safety pictograms (dangers, service voltage, etc.) and the consignment for the premises for which he is responsible within the framework of the worksites for which he is responsible.

- b) Environmental Responsibility:** The successful contractor will be liable for any environmental incident caused by it, releasing the European School of any responsibility.

To avoid such incidents, the contractor will generally adopt the appropriate preventive measures with good environmental management practices, especially those related to avoiding liquid discharges unwanted, polluting emissions, as well as any other type of waste classified as dangerous.

Without wishing to be exhaustive, some of the practices to which the successful contractor will be related are listed below:

- Committed to achieving good environmental management.
- Cleaning and final removal of containers, packaging, rubbish and all types of waste generated in the area of work and proper waste management.
- Proper storage and handling of chemicals and hazardous goods or waste.
- Prevention of leaks, spills and soil contamination and any type of uncontrolled discharge.
- Use of closed containers and drums marked and in good condition.
- Segregation of generated waste, paying special attention to hazardous waste.
- Restoration of the deteriorated environment.

- c) Precautionary measures:** The contractor must take all necessary precautions to avoid damage to persons, installations and premises. He must suspend the work, in whole or in part, in the event of a serious risk. If necessary, it will be taking the necessary preservation or backup measures. The contractor will be urgently notifying the *Contracting authority*. The School will decide by mutual agreement on the precautionary measures and/or provisions and additional work deemed essential by the two parties before resuming the work covered by this contract.

In the event of a clear risk for people or facilities, the representatives of the School duly authorized for this purpose will have full power to interrupt a construction site, in particular in the event of:

- Flagrant non-compliance with safety instructions, site-specific instructions,
- Clearly dangerous behavior by a member of the contractor's staff for himself or for any other third party or equipment,
- Obvious incompetence or flagrant dysfunction.

The contractor and their workers will be required to use the personal protective equipment when it exists and in strict compliance with the safety.

The contractor will be therefore asked, in accordance with the law, to provide and promote the use of fixed or mobile scaffolding (with braces) or lifts when necessary. The use of ladders should be limited as much as possible. It is also recalled that the use of scaffolding mounted on ladder cleats is prohibited in Belgium.

- d) Tools:** The tools used by the staff must be of recent design and of good use, they must allow the carrying out of the renovation, transformation, maintenance or repair work in such a way as to limit the need for labor and disturb the occupants as little as possible by noise, dust, etc.

It is strictly forbidden to use jackhammers and grinders inside the buildings if the latter are not equipped with a properly functioning dust extraction device.

The tools must at all times be kept in such a way that the students cannot have access to them.

- e) Handling:** The contractor must ensure, whenever necessary, that handling equipment is made available to its teams in sufficient numbers. Lifting devices requiring inspection by an approved organization will be accompanied by inspection certificates in order.

This equipment must be modern, as silent as possible, efficient, it must allow rapid handling so as to disturb the occupant as little as possible. All self-propelled lifting equipment is prohibited inside the buildings of the *Contracting Authority*.

- f) Cleaning:** The contractor will carry out regular cleaning of the site area or the various areas in which it had intervened from time to time (as well as their access routes) and this regularly during a long site or after each intervention ordered by the *Contracting Authority*.

- g) Management of access to buildings:** The contractor or his staff requiring access to buildings to carry out work must first receive authorization from the person in charge of building management, or from any other delegate duly authorized by the School.

In practice, this authorization will be transmitted at the same time as the order form is sent, but depending on the work to be carried out, the possibility of accessing the buildings will depend on the inconvenience that will be caused to the smooth running of school life. The service providers must in all cases announce themselves at least 24 hours (1 day) in advance and provide the data of the participants for identification. He will always remain fully responsible for the use that will be made of any means of access to the building entrusted to him (visitors' badge) and will ensure that only a limited number of employees within his company can use it.

- h) Provision of water and energy:** Electricity (220 V) and water necessary for the actual performance of the services will be made available to the school free of charge. However, the contractor must take all necessary measures to ensure that the water does not run unnecessarily.

The contractor will ensure that waste water is evacuated to an appropriate location approved by the representatives duly authorized for this purpose by the School.

With regard to electricity and its provision, the personnel of the contractor are absolutely not authorized to modify the existing installation in any way whatsoever if this has not been specifically requested by the duly authorized representatives by the School.

The use of generator sets may be considered with the agreement of the representatives of the *Contracting Authority*.

- i) Control of services:** The *Contracting Authority* will fully reserve the right to carry out checks during works carried out by the technicians of the contractor and to have them immediately stopped if they contravene the aforementioned provisions on safety.

At the end of the project, if necessary, a list of remarks to be raised will be drawn up jointly (i.e. in the presence of the contractor's staff in charge of the on-site operations department or its representative). The contractor accepts to remove these remarks as quickly as possible in strict compliance with the times defined for this purpose by the representatives of the School.

The possible acceptance of the work will only be granted once all the comments appearing on the established list have been lifted.

In the event of a problem with the behavior of a member of the staff of the contractor and according to the facts observed, the representatives of the *Contracting Authority* reserve the right to purely and simply prohibit access to the buildings of the School to the offending technician and this without any financial compensation being claimed by the contractor.