



Procurement of 2 40ft Lashing Cages

I/n	Description	Unit	Quantity	Unit price (€)	Total price (€)
1	<p>Main features The Safety Lashing Cages dimensions should be equivalent to ISO containers 40' and will provide satisfactory workspace for at least 4 persons with their complete working equipment. They should follow the most recent health and safety regulations and European guidelines and should be equipped with all safety features that will make the stevedoring operations as safe as possible. The Safety lashing Cages should follow the applied regulation to EU-Greece.</p> <p>Technical description Dimensions equivalent to ISO containers 40' Capacity for at least four (4) persons with their complete working equipment. Safe working load (SWL) = 6t at least Safety factor 10 (MBL = SWL x 10) The metallic construction should be of 100% continuous welds. The Safety lashing Cages should be equipped with standard forklift pockets, in order to be handled by forklift for transport purposes only and should have rubber buffers to prevent from feet injuries and dangerous impacts when the cage lands on the ground. The Safety lashing Cages should be completely covered with roof except of the corners in order to facilitate the manual safety system connection to the spreader. The down corners should be chamfered in order to facilitate safe and effective unlashng of the twist locks by stevedores. All the doors for stevedores should open inwards and should be equipped with hinges, with springs, auto close and auto lock system. The connection with spreader should be done by a "Double safety system" by means of: 1. Automatic connection: by using the twist locks of the spreader and 2. Manual connection: by using chains with hooks from the cage inside. The Safety lashing Cages should be equipped, with Safety Railings and internal handhold in the whole perimeter, with anti-slip floor with drainage spots and the internal free height should be at least 2100mm. The Safety lashing Cages should be equipped with a certified "Fall Protection Lifeline System" along the whole cage and should also be equipped with eight (8) anchor points placed behind the working position, for fall protection. The color number (RAL) will be defined upon contract.</p>	pcs	2		
				Total: €	
				Plus VAT 24%: €	
				GRAND TOTAL: €	
General Terms & Remarks					

General requirements

The Safety Lashing Cage will be used by stevedores, in order to increase the safety of stevedoring operations and provide safe and effective unloading and loading operations of cargo.

The Safety Lashing Cage dimensions should be equivalent to ISO containers 40' and will provide satisfactory workspace for at least 4 persons with their complete working equipment.

The Safety Lashing Cage should be connected to the spreader and will have a double safety system, automatic (using the twist locks of the spreader) and manual (using chains with hooks from inside the cage).

The Safety lashing Cage should have chamfered corners in order to facilitate the unlashng of the twist locks and will be equipped with forklift pockets for transport purposes.

The Safety lashing Cage should follow the most recent health and safety regulations and European guidelines and should be equipped with all safety features that will make the stevedoring operations as safe as possible.

The Safety lashing Cage should follow the applied regulation to EU-Greece.

The

manufacturer of the Safety lashing Cage should be certified according to ISO 9001 and preferable also with ISO 14001. Relevant certificates to be submitted upon offers' submission.

The Safety lashing Cage should be fitted with a plate durable marked, with the following information and in visible position:

- 1.Name and address of manufacturer of supplier
- 2.Year of construction
- 3.Type
- 4.Identification number
- 5.Dead weight of cage
- 6.Rated capacity and maximum number of persons permitted in

In case of a privately built, the winning bidder should conform to the following:

The Safety Lashing Cage should be in accordance with the Standard EN 14502-1 : 2010.

Creation of static and fatigue calculation should be in accordance with the Standard EN 1990-1 & 2.

Welds will be in accordance with EN 1011-1: 1998 Welding – Recommendations for welding of metallic materials – Part 1: General Guidance for Arc Welding.

Execution of welds according to EN-ISO 5817 quality level B.

Surface preparation and painting for metallic construction EN ISO 12944-1÷8: 1998 Corrosion Protection of steel structures by protective paint systems – Part 1 to Part 8. Color number (RAL) will be defined upon signing contract.

The winner bidder will assign an accredited certification and inspection body (Third Party Inspection Company) to inspect the below mentioned processes:

Prior to

contruction the winning bidder will have to prepare detailed mechanical drawings and to perform a static, fatigue analysis according to the mentioned standards and send the final technical folder to Third Party Inspection Company for review and approval.

• Scope of

works for the Third Party Inspection Company: Review and approval of:

* The above mentioned mechanical drawings and studies.

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The Contractor Welding Procedure Specifications.

* The Contractor Procedure Qualification Records.

* The Contractor Welders' certificates.

* The Contractor Filler material certificates.

• Visual inspection of welds and to conduct NDT tests (Magnetic & Ultrasonic tests) according to the winning bidder drawings.

• To certify that

the paints has been performed correctly.

• Witness during the load test with the

completion of works.

• Preparation of final inspection technical review

documents.

Documentation & Manuals

The awarded Supplier will submit the below documentation to PPA:

- a) Using procedure manual (in English and Greek language)
- b) Maintenance and workshop manual (in English or Greek)
- c) Spare parts books
- f) Certificate of conformance and all the certificates according to applied standards for the safety lashing cage itself and also for all the equipment and components fitted on it.

Warranty – After Sale Services

The warranty should be at least two (2) years for the metallic construction and for the paint.

The Contractor must have sufficient technical back-up to meet PPA S.A.'s requirements on after sales service.

Delivery Terms:

The delivery time should be clearly stated within the offer in order to be evaluated. The delivery place is PPA S.A. Container Terminal (Pier I), Neo Ikonio - Perama

The delivery terms are **DDP** (PPA S.A. Container Terminal, Neo Ikonio - Perama).

Payment Terms

Two (2) months from date of arrival at PPA S.A. (Invoices are to be issued only after final delivery and acceptance of the Safety Lashing Cages). The winning bidder will sign a contract with PPA S.A. and will have to submit a relevant Good Performance Letter of Guarantee, upon contract's signature.