



***PROCUREMENT OF THREE (3) ELECTRO-HYDRAULIC LIFT SYSTEMS  
FOR ENGINEERING DEPARTMENT OF PPA S.A.***

*OF BUDGET 150.000,00 euros*

**Piraeus, Greece**

**February 2023**

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## **1. BACKGROUND INFO**

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### ***Preamble***

The scope of the application is the “Procurement of three (3) Electro-Hydraulic lifts for tractors, trailers and forklifts” that will be used from the workshops of the engineering department of PPA for all the maintenance and repair works regarding the engineering department machinery, with DDP terms, delivery time of approx. three (3) months from contract signing, ready to operate at PPA Pier I workshops facilities.

## 2. TECHNICAL DESCRIPTION

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### **General Requirement**

The Electro-Hydraulic lifting systems for tractors, trailers and forklifts will be either scissor type or four (4) columns type. The offered items should be in fully compliance with the requirements and specifications set by this tender.

As extra feature, one (1) hydraulic lifting beam with capacity of approx. 5.000kg should be delivered. This hydraulic lifting beam will be suitable for fitting to tractors/trailers lifting systems and will be used by technicians for execution of the daily repairing works. The hydraulic lifting beam should be manufactured and certified according to the relevant safety standards.

The technical offer of the Electro-Hydraulic lifting systems should be referring to the following:

1. Two (2) electro-hydraulic lifting systems for tractors/trailers (SWL of at least 12.000kg)
2. One (1) electro-hydraulic lifting system for forklifts (SWL of at least 6.000kg)

### **Operating Environment**

The Electro-Hydraulic lifts as also every electronic component should be designed to work under dusty conditions such as high humidity levels.

### **Technical features**

The above mentioned Electro-Hydraulic lifting systems for tractors, trailers and forklifts will be either scissor type or four (4) column type, approved according to the latest applied safety standards and suitable to lift the below loads:

- ✓ For tractors/trailers lifting system, at least 12.000kg
- ✓ For forklifts lifting system, at least 6.000kg

The Electro-Hydraulic lifts should be reliable, tested, offering high stability and durability, only with branded quality components in order for the operator-technician to work consistently and safely.

They must be equipped with a quick and easy troubleshooting system for users, so the repairing time to be reduced to minimum and high availability to be maintained. The systems should comply with the most recent operator health and safety guidelines and must be equipped with all safety features that will make the operation as comfortable and safe as possible. Example: (Low current on electrical compartments that an operator will use, Overweight safety valve, Safety covers on moving mechanical parts close to the operator)

The whole construction should be extremely reliable, easy to operate and all parts should have easy access for fast and effective maintenance.

The frame should be steel construction welded with high stability and only with branded quality components.

***Documentation, certification and spare parts***

The offered items should bear with the CE markings accompanied by the EC declaration of conformity. In details, the lifts should be complied with the:

1. 2006/42/CE Equipment Safety
2. 2006/95/CE Low current where needed
3. 2004/108/CE Electro-magnetic safety standards

Moreover, regarding the quality standards, during the manufacture of the offered items the following regulations must be followed:

1. EN ISO 12100-1:2003
2. EN ISO 12100-2:2003
3. EN 1493: 2010
4. CEI EN 60204-1: 2006
5. CEI EN 61000-6-1: 2007
6. CEI EN 61000-6-3: 2007

The candidates should provide within the technical offer, the spare parts list that will be available for at least then (10) years in order to meet the PPA standards for after sales support. Every electro-hydraulic lift should be accompanied with operating and maintenance manuals (in Greek & English) as well as with spare parts book (in English). All the above mentioned, apart from the printed format, must be also delivered in digital form (CD or USB device).

**IMPORTANT NOTES:**

- The Candidate should describe the Electro-Hydraulic lifts that offers by submitting all relevant technical details and data sheets, in order to provide sufficient proof that the minimum requirements set by this tender are met.
- The electro-hydraulic lifts should bear the CE marking, accompanied by the EC declaration of conformity.
- The manufacturer should have a valid ISO 9001 certificate for manufacture of the same kind of Electro-hydraulic lifts at the same manufacture site as those offered.
- Every electro-hydraulic lift should be accompanied with all proper equipment or tools that might needed in emergency cases (example emergency lowering).
- The lifting systems will be delivered and installed at PPA PIER 1, workshop facilities. All delivery and installation costs will be borne by supplier.

### 3. MINIMUM TECHNICAL REQUIREMENTS TABLES

**Lifting system for forklifts requirements table**

	General Description	Minimum Requirements	Offered items
<b>Manufacturer</b>			
<b>Model</b>			
<b>Drive</b>	Electro-Hydraulic		
<b>Operator type</b>	Stand by the lift		
<b>Load capacity/rated load (kg)</b>		6.000kg	
<b>lifting system type</b>			
<b>Motor</b>	KW/V-HZ	approx. 4KW/400V-60HZ	
	Lifting mechanism	Of manufacturers proposal (detailed specifications to be mentioned)	
	Electrical system and components	Low current at every operator's control equipment for safety reasons	
<b>Extra features</b>	Painting standards	Of manufacturer's proposal.For dusty and humid environment.	
	Protective covers for operators	Obligatory and of manufacturer's proposal.	
	General Description	Minimum Requirements	Offered items
<b>Dimensions</b>	Overall height	Of manufacturer's proposal.	
	Platform length	4000mm	
	Overall width	Of manufacturer's proposal.	
	Overall weight	Of manufacturer's proposal.	
	Lift height	1700mm	
	Inside platforms width	700mm	
	Outside platforms width	1300mm	
	Platform-ground con.plate	Of manufacturer's proposal.	
	Platform width	300mm	
	Ground distance	Of manufacturer's proposal.	
	General Description	Minimum Requirements	Offered items
<b>Documentation, certification and spare parts</b>	Documentation	Operators and Maintenance manuals in English, and Bill of Material to be provided in paper and CD. Spare parts book to be provided upon arrival of equipment. (Schematic drawings to be provided upon Offer).	
<b>Documentation, certification and spare parts</b>	Certification	To bear the CE marking, accompanied by the EC declaration of conformity. 2006/42/CE, 2006/95/CE, 2004/108/CE	
		Manufacturer to provide ISO 9001 certificate with offer regarding the manufacture of the same kind of lifts.	
	General Description	Minimum Requirements	Offered items
<b>Delivery time</b>	Delivery time	Delivery time of approx. three (3) months ready to operate at PPA premises	
<b>Warranty time</b>	Warranty	At least one (1) year for structure and parts (Excluding wear and tear parts).	

**Tractor/Trailers lifts requirements table**

	General Description	Minimum Requirements	Offered items
<b>Manufacturer</b>			
<b>Model</b>			
<b>Drive</b>	Electro-Hydraulic		
<b>Operator type</b>	Stand by the lift		
<b>Load capacity/rated load (kg)</b>		12.000kg	
<b>Lifting system type(4 columns etc.)</b>			
<b>Motor</b>	KW/V-HZ	approx. 4KW/400V-60HZ	
	Lifting mechanism	Of manufacturers proposal (detailed specifications to be mentioned)	
	Electrical system and components	Low current at every operator's control equipment for safety reasons	
<b>Extra features</b>	Painting standards	Of manufacturer's proposal.For dusty and humid environment.	
	Protective covers for operators	Obligatory and of manufacturer's proposal.	
	General Description	Minimum Requirements	Offered items
<b>Dimensions</b>	Overall height	Of manufacturer's proposal.	
	Platform length	8000mm	
	Overall width	Of manufacturer's proposal.	
	Overall weight	Of manufacturer's proposal.	
	Lift height	1800mm	
	Inside platforms width	1200mm	
	Outside platforms width	2600mm	
	Platform-ground con.plate	Of manufacturer's proposal.	
	Platform width	780mm	
	Ground distance	Of manufacturer's proposal.	
	General Description	Minimum Requirements	Offered items
<b>Documentation, certification and spare parts</b>	Documentation	Operators and Maintenance manuals in English, and Bill of Material to be provided in paper and CD. Spare parts book to be provided upon arrival of equipment. (Schematic drawings to be provided upon Offer).	
<b>Documentation, certification and spare parts</b>	Certification	To bear the CE marking, accompanied by the EC declaration of conformity. 2006/42/CE, 2006/95/CE, 2004/108/CE	
		Manufacturer to provide ISO 9001 certificate with Offer regarding the manufacture of the same kind of lifts.	
	General Description	Minimum Requirements	Offered items
<b>Delivery time</b>	Delivery time	Delivery time three (3) months ready to operate at PPA premises	
<b>Warranty time</b>	Warranty	At least one (1) year for structure and parts (Excluding wear and tear parts).	

#### **4. PAYMENT TERMS – GOOD PERFORMANCE GUARANTEE**

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##### ***Payment Terms***

The proposed payment terms are as following:

Two (2) months from date of delivery at PPA S.A. (Invoice are to be issued only after final delivery and acceptance of lifting systems). The winning bidder will sign a contract with PPA.

A good performance guarantee will be issued by a financial institution in favor of PPA of 5 % of the amount of the contract upon signing of the agreement which will be valid for a period equal to the offered warranty period (for structure and parts, excluding wear and tear parts as described above). The good performance guarantee will be returned back to the contractor upon fulfilment of all contractual terms and up to the end of the offered warranty period.