

***Procurement of one (1) self-propelled electric scissor lift for
approximately 7 meters working height for Engineering
Department workshops use***

Budget: 20.000,00 euros

Piraeus, Greece

November 2023

Table of Contents

1. BACKGROUND INFO 3

2. TECHNICAL DESCRIPTION 4

3. MINIMUM TECHNICAL REQUIREMENTS TABLE 7

1. BACKGROUND INFO

Preamble

The scope of the Tender is the procurement of one (1) self-propelled electric scissor lift for approximately 7 meters working height for Engineering Department workshops use, as detailed described below, with delivery time: three (3) months from signing of the contract, DDP (Delivered Duty Paid) – be ready to operate at Engineering Dept. of P.P.A. S.A.

The self-propelled electric scissor lift shall be designed and manufactured according to the applied EC Directives for Machinery and Safety, must have CE conformity declaration and the manufacturer of the equipment must be ISO 9001 certified.

At least one (1) year warranty will be provided for the structure and parts

The selection of the contractor shall be on the basis of lowest price if all specification requirements set by the tender are met.

2. TECHNICAL DESCRIPTION

Requirements in general

The self-propelled electric scissor lift will be ideal for maneuvering in tight spaces, for indoor and outdoor construction, maintenance and installation applications with firm, level surfaces. They will provide excellent capacity and satisfactory platform workspace, with low noise levels.

The whole construction of the electric scissor lift should be extremely reliable, easy to service with minimum service intervals and all parts should have easy access for fast and effective maintenance. It should be accompanied with operating and maintenance manuals as well as spare parts list in English language (the operators manuals should be translated also to Greek language).

The machine must be reliable and must have been built, on a tested platform with high stability and durability, only with branded quality components in order for the technicians to work safely. The machine must comply with the most recent health and safety guidelines and must be equipped with all safety features that will make the operation as safe as possible.

The machine will have front-wheel drive with minimum inside turning radius for excellent maneuverability in tight spaces by offering to operator fully proportional lift and drive for precise positioning.

The machine will be equipped with on-board diagnostics help for easy troubleshooting in order to increase downtime.

The machine will be equipped with a battery pack which will be offering plenty of power for operating a full day of work (8 hours) and with swing-out or tray battery system to allow easy access for convenient service. The time of fully recharging the batteries pack must be mentioned in the offer. Also, the life of battery must be mentioned. For the chargers, they must not need any special infrastructure and charging equipment.

The hydraulic system of the machine must be extremely reliable, easy to service with minimum service intervals.

Last but not least, the training schedule for operators and technicians should be proposed from the candidates within their offer.

Standard equipment

The self-propelled electric scissor lifts will be equipped and capable for at least the following:

- Fixed rail with entry gate
- Extension deck
- Battery charge indicator
- Proportional lift and drive
- Battery charger with automatic stop
- Tilt level sensor with audible alarm
- Horn
- Flashing light
- Travel alarm
- AC power to platform
- Air supply line to platform
- Emergency stop both at platform and at ground frame
- Manual platform lowering valve
- Manual hydraulic brake release
- Hour-meter
- Integrated forklift pockets
- Towing hooks
- Solid tires
- Pothole guards
- Drive at full height

Important Note:

Non-EU participants must secure part interchange ability with parts available at European market.

The Candidate should describe the electric scissor lift that offers by submitting all relevant technical details and data sheets, in order to check if all specification requirements are met.

Documentation & Manuals

The awarded Supplier will submit the below documentation to PPA (in one CD and one hardcopy for every delivered equipment/machinery):

- a) Operator manual (in English);
- b) Maintenance and workshop manual (in English);
- c) Spare parts books;
- d) A detailed spare parts list containing prices, quantities and manufactory factory details of the equipment. Any change in the pricelist will be notified promptly to PPA together with a new price list;
- e) A Binding Declaration that the spare parts shall be available for at least ten (10) years;
- f) Machine card
- g) Any another document, at PPA's reasonable request.

Costs

The following costs for the equipment will be fully borne by the awarded Supplier:

1. All the test and certificate costs, including the costs of issuance of type-approvals, registration plates (if needed), license registries and, in general, for the fulfilment of any other relevant legal requirements related to the use and function of the equipment according to Greek Law.
2. All documentation, manuals and specific tools and instruments as stated in this Tender document.
3. Costs of transportation, related insurance and customs clearance.

3. MINIMUM TECHNICAL REQUIREMENTS TABLE

Self-propelled electric scissor lift for approx. 7 meters working height for Engineering Dept. workshops use				
r/n	General Description		Minimum Requirements	Manufacturer Proposal
1	Brand / Model	Brand and Model	Blank	
2	Type	Scissor lift	Self-propelled electric scissor lift	
3	Capacity	Lifting capacity	≥ 230 kg's	
4	Dimensions	Working height	≥ 7 m	
5		Platform height	≥ 5,5 m	
6		Drive height	Full height obligatory	
7		Platform length outside	≤ 1,8m	
8		Platform length extended	≥ 2m	
9		Length extension	≥ 0,6 m	
10		Overall width	≤ 0,85 m	
11		Turning radius outside	≤ 1,7 m	
12		Min. ground clearance	Of manufacturers proposal (
13	Electrical	Power type	Electric	
14		Batteries	Of manufacturers proposal (specifications, continuous working capability, etc.) to be mentioned	
15		Electrical system and components	(24V DC) and of manufacturers proposed brand (Must include working lighting, buzzers, alarms, etc.)	
16	Other technical specifications	Drive speed stowed	≥ 4 Km/hr	
17		Drive speed raised	≥ 0,5 Km/hr	
18		Lifting speed	Of manufacturers proposal (time in sec to be	

			mentioned for evaluation)	
19		Lowering speed	Of manufacturers proposal (time in sec to be mentioned for evaluation)	
20		Gradeability	≥ 25 %	
21		Brake type	Of manufacturers proposal (specifications, etc.) to be mentioned in details	
22		Tyre brand and size	Of manufacturers proposal (tyre specifications to be mentioned)	
23		Painting standards	Acc. to ISO for corrosion category	
24	<i>Documentation, certification and spare parts</i>	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).	
25	<i>Documentation, certification and spare parts</i>	Certification	1) To bear the CE marking, accompanied by the EC declaration of conformity 3) Manufacturer to provide ISO 9001 and 14001 certificates	
26	<i>Spare parts</i>	Spare part requirements	1) Spare parts to be readily available in Greece via manufacturer representative.	
27	<i>Delivery time</i>	Delivery time	Three (3) months ready to operate at P.P.A. S.A. premises	

28	<i>Warranty time</i>	Warranty	At least one (1) year for structure and parts (Excluding wear and tear parts).	
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