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ENEMED COMPANY LTD

TENDER FOR THE INSTALLATION OF A PASSENGER LIFT AT ADMINISTRATION BLOCK A, LUQA

File Ref No: Purchase of Passenger Lift

Date : 25th May 2018

Proposals are to be submitted up to 3rd July 2018 by 11:00a.m

On Email: tenders.enemed@enemed.com.mt or

at Enemed Co. Ltd. , Malta

Block A,
Vjal L-Avjazzjoni,
Luqa. LQA 9023
Malta

Prospective bidders are invited to quote for the supply and delivery of 1 (one) passenger lift to be installed at Block A, Vjal L – Avjazzjoni, Luqa,, as further described in **Section 3 - Technical Specifications**, enclosed in this attached “Tender Form”.

A hard copy Tender duly referenced: ‘Supply and Installation of Passenger Lift’ , which tender should be inclusive of a detailed breakdown of the offer as well as supporting literature where required, should be deposited in the tender box at:-

Enemed Co. Ltd.

Block A,
Vjal L-Avjazzjoni,
Luqa. LQA 9023
Malta

by not later than 3rd July 2018 at 11.00 hrs (CEST).

Or via email on tenders.enemed@enemed.com.mt by not later than 3rd July 2018 at 11.00hrs (CEST)

Should your bid be successful you will be notified within the binding period as stipulated in Clause 2.2(i) of attached conditions.

SECTION 1 - General Information

1.1 PURPOSE

Enemed Co. Ltd. invites proposals from suppliers of Passenger Lifts.

1.2 SCOPE FOR THE PROCUREMENT

The purpose of this procurement is to supply Enemed Co. Ltd. with one in number passenger lift as per technical specifications.

1.3 PAYMENT TERMS

Payments shall be made in Euro, 60 days from invoice date. The invoice must include a signed acceptance form together with an engineers' certificate as required by law.

SECTION 2 - Terms and Conditions

- 2.1 The prices shall be quoted in **Euro** and shall be inclusive of VAT, and all other charges as applicable.
- 2.2 From the closing date fixed for the receipt of tender:
 - (i) Tender prices submitted shall remain binding for a period of 90 days.
- 2.3 Should any unsatisfactory service, such as failure to meet commitments either partially or in their entirety or failure to deliver goods in time will be recorded in Suppliers' Performance Records. Enemed Co. Ltd reserves the right to discontinue the orders if services do not meet the required criteria as requested
- 2.4 Successful bidders shall be bound to conform in all respects with VAT legislation and regulations.
- 2.5 Enemed Co. Ltd. reserves the right to reject any quotation without giving reasons for the acceptance or rejection of any particular offer.
- 2.6 Prospective Suppliers are being informed that queries on this Call for Tender Document and/or its contents, are only accepted up to five (5) days before the closing date on e-mail: tenders.enemed@enemed.com.mt and Enemed Co. Ltd. is bound to forward replies to these queries at the latest two (2) days before the closing date. No further clarifications will be provided after this date.
- 2.7 The selection criteria will be based on the lowest price, conforming to the technical specifications listed below in Section 3
- 2.8 No variant solutions will be accepted
- 2.9 The tender will be awarded to the tenderer submitting the cheapest price offer satisfying the administrative and technical criteria
- 2.10 The contractor will be required to issue an insurance policy in both his name and Enemed Co. Ltd against any loss or damage
- 2.11 A site visit will be organized for prospective bidders. This will be held on location on 05/06/2018 at 09.00 CEST

SECTION 3 – Tender Requirements

3.1 Programme of Works

The contractor shall submit a programme of performance of the contract for the approval of the Project Manager containing at least:

- i. Date of Delivery of Equipment in Malta
- ii. Date when the lift and related services will be completed
- iii. Date when handing over will be made
- iv. Further details as requested by the Project Manager

Within one week of the receipt of the acceptance of the tender offer, the contractor shall submit the performance programme.

It is to be noted that at the tender stage all contractors are required to provide a Gantt Chart indicating the above requirements.

3.2 Detailed Drawings

The contractor shall furnish Enemed Co. Ltd. all required detailed drawings

A full list of required spare parts must be furnished. The tenderer is to declare that all maintenance parts are available from stock.

3.3 Regulatory Requirements:

The Lift System design and installation shall comply with the latest versions of:

- Lifts Regulations 2002 (Act No. V of 2001)
- MSA EN 81 – 1 + A3 & MSA EN 81-70.
- European Parliament and Council Directive 95/16 EC
- I.E.E Wiring regulations
- Electricity Supply Regulations as issued by the ENEMALTA plc.
- Design Guidelines Access for All (Passenger Lift)
- Energy Efficiency Class to be A or better based on VDI4707 using usage category 1.

Fire-rated entrance assemblies: Opening protective assemblies including frames, hardware and operation, shall be fire resistant for a specified period of one hour.

3.4 Inspection and testing:

Lift Installer shall:

- i. Obtain and pay for all required inspections, tests, permits and fees for each lift installation.
- ii. Arrange for inspections and make required tests.
- iii. Satisfy the requirements for CE conformity regarding the placement of the lift in service as per Lifts Regulations 2002.

3.5 Quality Representative

The Contractor shall appoint a senior staff member who, irrespective of other duties, shall be his Quality Representative with responsibility for the design and implementation of a Quality Assurance Plan.

The Contractor shall bear all risks relating to the goods according to the Incoterms applicable to this tender. The supplies shall be packaged so as to prevent their damage or deterioration in transit to their destination. Contractors delivering on "Delivered to ENEMED Site" basis shall provide their own lifting equipment and labour for unloading goods to ENEMED Site.

3.6 Testing and Commissioning

- (a) The Contractor shall carry out the necessary tests on all the works covered under this Contract to ensure correct functioning, freedom from faults, and safety. All systems, equipment, and the whole installation shall be tested in accordance with the Lifts Regulations 2002 and the relevant MSA EN Standards and Codes.
- (b) The Contractor shall provide all necessary skilled personnel, testing instruments and other equipment for the proper testing of their systems and equipment installed under this Contract. The standard reached shall not be lower than that called for in these Specifications, Regulations and Codes.
- (c) All tests shall be carried out in the presence of and to the satisfaction of the ENEMED Representative.
- (d) The tests shall be carried out and a record made and submitted to the ENEMED Representative on the completion of the Works before handover or at any time as requested by the ENEMED Representative. All defects which become apparent during the tests shall be logged and rectified by the Contractor at his own expense and in accordance with the instructions issued by the ENEMED Representative.
- (e) Each part of the installation shall be commissioned for performance. This shall include the adjustment of circuit breaker trips, thermostats, settings and other control devices to ensure safe and efficient operation of the entire installation.

3.7 Test Certificates

- (a) Whenever a test has been successfully carried out and on completion of the Works, the Contractor shall issue and submit to the ENEMED Representative, tests certificates together with details of test results upon which the certificates are based. Test certificates shall bear the date, time of test and relevant technical parameters as requested by the ENEMED Representative.

- (b) All fees and expenses in connection with tests and certification including the rectification of faults and defects arising thereof shall be borne by the Contractor. All approval certificates shall be submitted to the ENEMED Representative before taking over.
- (c) The ENEMED Representative will only assume and take full responsibility for the Works after being satisfied that all test certificates and that all Works are in accordance with the Tender Documents.

3.8 Take-Over Inspection

- (a) The Contractor shall advise the ENEMED Representative of a suitable date for the final inspection after the Works have been completed in accordance with the Specifications, Drawings and any subsequent details. Should the Contractor receive, during the progress of Works any instructions for carrying out additional works which he maintains he will not be able to complete within the Contract period he shall advise the ENEMED Representative in writing within 7 days of receipt of such instructions.
- (b) The Works will not be considered ready for inspection unless the following items are completed:
 - (1) All equipment and installations have been cleaned inside and outside and any damages, faults, defects, adjustments and damages to the building and paintwork made good.
 - (2) All tests have been adequately carried out in accordance with the relevant Regulations and Codes and records of these tests produced. ENEMED Representative may also call for any or all tests to be repeated in his presence to verify the recorded results.
 - (3) All labelling on the Switchgear, cabling and other apparatus and equipment has been completed.
 - (4) All equipment and outlets are in situ and trucking lids and equipment and accessories covers are in place and secured.
 - (5) All cables and wires securely fixed and properly terminated, all cable glands well tightened and earthing and bonding of switchgear, metal enclosures and cable sheaths completed in compliance with the Regulations.
 - (6) All builders' work made good around outlets.

The Contractor may apply, by notice to the Project Manager, for a certificate of provisional acceptance when supplies are ready for provisional acceptance. The Project Manager shall within 30 days of receipt of the Contractor's application either:

- issue the certificate of provisional acceptance to the Contractor with a copy to the Contracting Authority stating, where appropriate, his reservations, and, inter alia, the date on which, in his opinion, the supplies were completed in accordance with the contract and ready for provisional acceptance; or
- reject the application, giving his reasons and specifying the action which, in his opinion, is required of the Contractor for the certificate to be issued.

3.9 Warranty

This warranty shall remain valid for 2 years after final acceptance:-

The warranty shall cover all parts and equipment required to be supplied under the contract.

ENEMED shall reserve the right to request complete equipment replacement as against the repair of the equipment and/or the replacement of defective parts. Warranty period may recommence according to local laws and regulations

The Contractor shall ensure that during the warranty period all parts of the system and any works required to repair such faults on the system or to replace faulty parts and equipment are free of charge.

The Contractor shall submit the lift manufacturer's standard written warranty agreeing to repair, restore or replace defects in lift work materials and workmanship not due to ordinary wear and tear or improper use or care for 24 months from the date of the initial Examination Certificate.

3.10 After-Sales Service

The contractor shall maintain sufficient, reliable, rapid and regular supply of spare parts in stock for all parts and equipment in order to repair faults that may arise on the equipment.

The contractor shall guarantee the availability for all the spare parts for a period of not less than 10 years from the date of successful quality inspection after delivery of all parts and equipment. The Contractor shall also provide documents pertaining to spare parts manufactured or distributed by the Contractor.

- a) It is to be understood that replacement of spare parts shall not release the Contractor from any warranty obligations under the contract.
- b) In the event of termination of production of the spare parts, advance notification is to be given to the Contracting Authority to allow it to procure the parts required and, following such termination, provision is to be given at no cost to the Contracting Authority of drawings, documentation and specifications of the spare parts, if and when requested.

3.11 Final acceptance

Upon expiry of the warranty period or, where there is more than one such period, upon expiry of the latest period, and when all defects or damage have been rectified, the Project Manager shall issue the Contractor a final acceptance certificate, stating the date on which the Contractor completed his obligations under the contract to the Project Manager's satisfaction. The final acceptance certificate shall be issued by the Project Manager within 30 days of the expiry of the warranty period or as soon as any repairs ordered under Article 32 have been completed to the satisfaction of the Project Manager.

SECTION 4 – TECHNICAL SPECIFICATIONS/TERMS OF REFERENCE

PART A – GENERAL

1. Scope of Work

- 1.1 These specifications detail the requirements for all the civil works requirements for the final installation of lift, supply lift and bring to site, installation and commissioning as detailed in LN 79 of 2016 of a passenger lift with minimum energy efficiency class A (VDI 4707) at Administration Building, Block A, ENEMED Offices, Luqa.

The works involved include the following:

- i. Carry out all necessary civil works, modifications and new construction to the lift well to take the final installation of lift, including all necessary finishes for a complete installation
 - ii. Supply and the installation of passenger lift as per EU directive 2014/33/EU and new standards (EN81-20, EN81-50 and EN81-70)
 - iii. The related mechanical and electrical works required for the passenger lift installation.
 - iv. Maintenance of passenger lift for two years, including supply of one technician to accompany and work with the ACAB during the six monthly routine inspection and reporting as per LN 231 of 2007.
 - v. Obtain approval for order to start works from Enemed
 - vi. Contractor to make his own proposal about the type of lift that will meet the specifications that follow.
2. Civil Works
- i. Commission an Architect to take responsibility for all structural removals and new building
 - ii. Visit site to take note of requirements for making alterations to the building to take the new lift installation.
 - iii. Draw up all necessary drawings for the proposed works and issue detailed drawings for remedial builders works.
 - iv. Get drawing approval from Enemed.

2. Builders / Alteration works

- v. Carry out all the building alterations as will be directed by the Contractor's commissioned Architect and approved drawings
- vi. Part Demolition and excavation works
- vii. New construction
- viii. Civil works finishes to complete the lift installation ready for its intended use. All civil works must be certified by a warranted civil engineer appointed by the successful candidate

2. Lift Work

- i. Commercial, standard pre-engineered traction 8 person passenger lift, 3 stops.
- ii. Minimum 900mm Width of doors
- iii. Lift to be rated for a minimum of 180 starts per hour

- iv. Lift has to be in accordance with Access For All Design Guidelines 2011 edited by Joseph Spiteri
- v. Guide rails, car enclosures, hoistway entrances and signal equipment.
- vi. Operation and control systems for simplex operation.
- vii. Equipment, machines, controls systems and devices as required for the safe operation of the specified lift at the rated speed and capacity.
- viii. Materials and accessories as required for completing the lift installation.

3. **Electrical**

3.1 The following electrical specifications are to be included for the lift in the tender price:

- i. A fused lockable disconnect switch with feeder and conduit run to the lift controller and shall be sized to meet the power characteristics. The disconnect switch shall be located adjacent to the lift machine on top of the lift well.
- ii. All 240 Volt, 13A single-phase receptacles installed in the pit, machinery space and lift-car top shall be RCD protected at the control panel. All socket outlets will be labelled.
- iii. Adequate lighting to maintain minimum 150-lux illuminations at pit floor. Lights to be installed at 0.5m from the highest and lowest point in the shaft with intermediate lamps at maximum 5m intervals. In the pit the lights switch to be adjacent to the access ladder. All lighting fixtures and switches are to be labelled and be supplied by the contractor.
- iv. Electric power (single phase) for light, tools, hoist, etc.; during installation as well as electric current for starting, testing and adjusting the lift.

4. **Line of communication**

- v. Enemed will give the details of its representative on site once the tender is adjudicated. The person nominated shall take charge and will act on behalf of Enemed on this Project.
- vi. The representative will also be the responsible person for any contact, queries and signing of Claims for Payment.
- vii. Any Claim has to reach the responsible person in writing, emails will not be accepted as basis for a claim. All claims have to be received during and while the project is ongoing. No claim will be entertained if this time frame is not observed,

5. **Options**

- viii. Different options will be accepted from the same contractor

6. **Time frame for queries**

- ix. Queries in relation to this tender will be accepted up to 24/06/2018

7. **Site Visit**

- x. A site visit will be organized for prospective bidders. This will be held on location on 05/06/2018 at 09.00 CEST

8. **Safety on Site**

- xi. Safety on site will be considered paramount and for this reason a safety consultant shall be commissioned by the contractor to take responsibility of all safety aspects on site.
- xii. Safety consultant has to prepare a weekly report and supply same to TM officer in charge of project.
- xiii. A section of the report has to highlight serious infringements and time frames for remedial action. Non observance of these infringement time frames will make the contractor liable to a fine as listed in the BOQ

9. **Award**

The cheapest compliant bid satisfying technical criteria shall be awarded this tender.

LITERATURE REQUIREMENTS

10. Submissions

10.1 List of literature to be submitted with the tender:

Item Description

- 1.1 Documentation regarding conformity of the manufacturing of the lift to EU directive 2014/33/EU and new standards (EN-81-20 and EN81-50), and MSA EN81-70 (Accessibility)
- 1.2 Official Classification of lift offered as per VDI 4707 standards (Class A Category usage 1)
- 1.3 The maintenance agreement including hourly rate for emergency call outs after office hours for a period of 2 years.

Supporting documents and printed literature furnished by the tenderer may be in another language, provided they are accompanied by an accurate translation into English. For the purposes of interpretation of the tender, the English language will prevail.

- 4.2 Within 2 weeks from the receipt of the letter of acceptance the successful Tenderer shall supply detailed shop drawings for equipment related to this contract that:

- i. Show equipment arrangement in the pit hoist way and machine room. Provide plans, elevations, sections and details of assembly, erection, anchorage, and equipment location for the lift.
- ii. Indicate requirements for builders' work for hoist way entrances, frame details and control panel.
- iii. Show floors served, travel distances, clearances, maximum loads imposed on the building structure at points of support and all similar considerations of the lift work.
- iv. Submit information clearly indicating the electrical power requirements and the branch circuit protection devices.
- v. Submit information of the expected heat dissipation of lift equipment.
- vi. Submit colour charts of exposed finishes and materials for colour selection.

- 4.3 Submit operation and maintenance data at the commissioning stage of lift. Including the following:

- i. Installation manuals
- ii. Operation and maintenance instructions manuals.
- iii. Emergency procedures manual
- iv. Parts list, with an itemised price list of recommended parts inventory.
- v. Emergency procedure manual
- vi. Lift commissioning manuals

CERTIFICATION

- 4.4 Certificates: Inspection and acceptance certificates of lift system installation relating to putting the lift into service as per Lifts Regulations 2002 LN 79 of 2016.

Failure to comply with the above WILL result in the withholding of payments due.

5. Storage

The Contractor may, at the Client's discretion, be offered storage facilities for material and equipment during the period of works. Such arrangement shall be at the sole responsibility of the Contractor and ENEMED Co. Ltd. or any other company / third parties shall therefore not be held responsible for any detrimental action, including theft or damage.

6. Project Conditions

- 6.1 Prohibited Use: The lift shall not be used for any purpose during the installation period.
- 6.2 When the offers are evaluated, it shall be assumed that the respective Tenderers are well aware of the site conditions and have assured themselves of the necessary works required, verified all critical dimensions and examined supporting structures and all other conditions under which the lift work is to be installed.
- 6.3 On tender submission the Tenderer is accepting the existing site conditions and the responsibility for satisfactory lift performance

7. Examination Certificate

- 7.1 An examination certificate together with a copy of the CE conformity certificate issued by a Notified Body shall be forwarded to the ENEMED when lift is commissioned and the guarantee period falls into effect as from the date of acceptance of this certificate. Six-monthly services of a technician shall then be made available until the 24-month maintenance agreement period expires

8. Warranty

- 8.1 The successful Tenderer shall submit the lift manufacturer's standard written warranty agreeing to repair, restore or replace defects in lift work materials and workmanship not due to ordinary wear and tear or improper use or care for 24 months from the date of the initial Examination Certificate. This warranty needs also to cover for an additional 24 months any parts or equipment replaced in the initial 24 months warranty.

9. Maintenance

- 9.1 Furnish maintenance and call back service for a period of 24 months for lift from date of the initial Examination Certificate. Service shall consist of periodic examination of the equipment, adjustment, lubrication, cleaning, and supply of parts to keep the lift in proper operation.
- i. Maintenance work, including emergency call back repair service, shall be performed by trained employees of the lift contractor during regular working hours. This service shall not cover adjustments, repairs or replacement of parts due to negligence, misuse, abuse or accidents caused by persons other than the lift contractor. The maintenance work including servicing work shall be logged in a maintenance book purposely kept in the machine room.
 - ii. Submit parts catalogue and show evidence of local parts inventory with complete list of recommended spare parts. Only genuine parts and supplies as used in the manufacture and installation of the original equipment shall be provided. The supply of spare parts has to guarantee up to the next ten-(10) years following the award of the contract. Spare parts shall be supplied within a maximum of one month from order of ENEMED.
 - iii. Lift manufacturer shall have a local representative service office and full time service personnel.
- 9.2 The Tenderer shall include in his price for a periodic preventive maintenance (minimum 6 annual visits) during the guarantee and maintenance period.

10. **Water and Electricity Supply**

The whole of the water and electrical supply required for the work must be provided by the Contractor who executes any temporary supply required at his own expense and pays all fees and charges.

PART B - PRODUCTS

11.Lift Schedule

The lift schedule is as specified in the appendices. The Tenderer should comply with the required lift requisites.

12. Product Technical Specifications

The lift shall be supplied and installed as per EU directive 2014/33/EU and new standards (EN81-20, EN81-50 and EN81-70). The lift shall have an energy classification class A or better as per VDI4704 (usage category = 2).

13. Hoist way Equipment for Traction Elevator

13.1 The tender price is to include but is not necessarily limited to the following in order to provide a complete installation for each lift:

- i. Car Frame and accessories
- ii. Guide Rails: Steel, T solid section.
- iii. Guide Shoes.
- iv. Guide Rail Lubricators.
- v. Buffers.
- vii. Ropes/ Hydraulic.
- viii. Automatic Self-Levelling: Provide a lift with a self-levelling feature to automatically bring the car to the floor landings and correct for over travel or under travel. Self-levelling shall, within its zone, be automatic and independent of the operating device. The car shall be maintained approximately level with the landing irrespective of its load. Tolerance to be maximum * 5mm
- ix. Wiring: Provide all necessary hoist way wiring included in the scope of the elevator system, in accordance with the Current Edition of the I.E.E Wiring Regulations.

14. Hoist way Entrances

14.1 Doors and Frames: Provide complete hollow metal type hoist way entrances at each hoist way opening.

- i. Manufacturer's standard entrance design: consisting of 14-gauge frames with 50 mm profile, 16-gauge doors, hangers, hanger supports, hanger covers, fascia plates, sight guards, and necessary hardware.
- ii. Lift wall interface with hoist way entrance assembly shall comply with elevator manufacturer's requirements.

- iii. Doors: Flush construction with internal channel reinforcements.
- iv. Frames: Formed construction.

15. Car Enclosure

- i. Car finish in scratch proof stainless steel.
- ii. Cabin trim: All cabin trim including rounded corners and control panel, to be in scratchproof stainless steel.
- iii. LED lighting.
- vi. Emergency Car Lighting: An emergency power unit employing a minimum one (1) hour, sealed rechargeable battery and totally static circuits shall be provided to illuminate the elevator car and provide current to the two alarm bells in the event of building power failure.
- vii. Ventilation: A force draught exhaust fan shall be mounted on the car top. The fan shall operate only when the lift is occupied.
- viii. Doors: Horizontal sliding car doors finished in scratchproof stainless steel and reinforced with steel for panel rigidity. Hang doors on sheave type hangers with polyurethane tires that roll on a polished steel track and are guided at the bottom by non-metallic shoes sliding in a smooth threshold groove. Doors shall incorporate both electrical and mechanical locking devices.
- ix. Handrail: Provide 45 to 50mm diameter handrail at 900mm height from floor on all wall sides.
- x. Kick plate: 100 mm high made of scratch less stainless
- xii. Finished Floor: Non-slip high quality rubber / laminate
- xiii. A half-height mirror shall be provided opposite the cabin doors.
- xiv. Control panel in car should be between 900 mm and 1200 mm above the floor and located inside the car on a side wall at least 400 mm in from the door wall.
- xv. Intercom set: Permanently installed, capable to communicate between the control panel and the inside of the cabin. Intercom is to contain inductive couplers to help hearing-aid users.
- xvi. Suitable warning sign giving instructions on the use of the rescue service system via the auto-dialler.
- xvii. Tip-up seat having the following features -
 - a) seat height from the floor: (500 ± 20) mm;
 - b) depth: (300 - 400) mm;
 - c) width (400 - 500) mm;
 - d) ability to support a load of 100 kg.

16. Door Operation

- 16.1 Door Operation: A door operator with a VVVF motor shall be provided to operate the car and hoist way doors simultaneously. The microprocessor based door operator system should operate under closed loop, automatically correcting any variations in the command profile. Door movements shall be electrically cushioned at both limits of travel and the door operating mechanism shall be arranged for manual operation in event of power failure. Doors shall automatically open when the car arrives at the landing and automatically close after an adjustable time interval (minimum 10 seconds) or when the car is dispatched to another landing.
- 16.2 Door Protection Devices: Provide a door protection system using full curtain type infrared light beams. The beams shall project across the car opening detecting the presence of a passenger or object. If door movement is obstructed, the doors shall immediately reopen.

17. Car Operating Station

- 17.1 Position Indicator: A display car position indicator shall be integral to the car-operating panel. As the car travels, its position in the hoist way shall be indicated by the illumination of the alpha/numeric character corresponding to the landing, which the lift is stopped, or passing.
- 17.2 Voice and visual indicator: The voice and visual indicator will be included in the car-operating panel, indicating the weight present in the car, or any passenger overloads. The voice and visual indicator shall also give notification of the floor reached.
- 17.3 Emergency Light: An emergency light and capacity plate shall be integrated into a module. Emergency light shall illuminate automatically upon loss of the building's normal power supply.

18. Control Systems

- 18.1 Controller: The lift control system shall be microprocessor based and operate on extra low voltage. Control of the lift shall be automatic in operation by means of push buttons in the car numbered to correspond to floors served, for registering car stops, and by "up-down" push buttons at each intermediate landing and "call" push buttons at terminal landings. The control system shall be interfaced with a proximity access system located on each landing.
- The car shall be operated with a single set of push buttons, one for each floor served. Registration of a call by momentary pressure on a button shall cause the corresponding call to be entered and the button to illuminate.
- 18.2 Maintenance control gear. Up/Down/ close/open Emergency Stop/ Control and inspection buttons to be installed in machine room (control panel) as well as top of car. An emergency lift control cut out shall also be provided in the pit
- 18.3 The overload control device should prevent a start of a journey when the load exceeds the lift rated loads. The cabin shall not move until the correct load is present in the car.

- 18.4 Provide a key operated switch in the lift for the purpose of removing the car from normal operation. When the switch is in the "inspection service" position, the lift will bypass all landing calls and answer only car calls. The operator will have complete control over the operation of the car.

20. Machine Room

- 20.1 Lift design is understood to be the responsibility of the Contractor

When the offers are evaluated, it shall be assumed that the respective Tenderers are well aware of the site conditions. It is then the contractor's responsibility to put the lift in place without damaging the equipment, the surrounding areas or third party property.

PART C - EXECUTION

22. Examination

- 22.1 Before starting works, verify all critical dimensions, and examine supporting structures and all other conditions under which the lift work is to be installed.
- 22.2 Installation constitutes acceptance of existing conditions and responsibility for satisfactory performance.

23. Installation

- 23.1 Install lift system components and co-ordinate installation.
- i. Competent lift installation personnel in accordance with Enemalta Regulations 2002 and standards EN81-20, EN81-50 and EN81-70, manufacturer's installation instructions and approved shop drawings shall perform Work.
- ii. Comply with the latest edition of the I.E.E wiring regulations for electrical work required during installation.
- 23.2 Perform work with competent, skilled workmen under the direct control and supervision of the elevator manufacturer's experienced foreman. The contractor is considered fully responsible for the design, supply and mounting of the lift.
- 23.3 Perform works as per submitted works program.

24. Field Quality Control

- 24.1 Acceptance testing: Upon completion of the installation and before permitting use of lift, perform acceptance tests as required by the Lifts Regulations 79 of 2016.
- 24.2 Advise Responsible Person in advance of dates and times tests are to be performed on the lift.
- 24.3 Test certificates are to be handed over to the Responsible Person in charge.

25. Cleaning and Housekeeping

- 25.1 Before final acceptance, remove protection from finished surfaces and clean and polish surfaces in accordance with manufacturer's recommendations for type of material and finish provided.
- 25.2 At completion of lift work, remove tools, equipment, and surplus materials from site. Clean equipment rooms and hoist way. Remove trash and debris.
- 25.3 Regular housekeeping must occur and such expense must be included in the total cost of this tender requirement

26. Protection

At time of Substantial Completion of lift work, or portion thereof, provide suitable protective coverings, barriers, devices, signs, or other such methods or procedures to protect lift work from damage or deterioration. Maintain protective measures throughout remainder of installation period.

27. Demonstration

28.1 Instruct ENEMED representatives in proper use, operations, and daily maintenance of the lift. Review emergency provisions, including emergency access and procedures to be followed at time of failure in operation and other building emergencies.

28.2 Make a final check of the operation of each lift with Engineer present, immediately before date of Test Certificates. Determine that control systems and operating devices are functioning properly.

SECTION 5 – Price Schedule

SCHEDULE OF PRICES & RATES					
(To be completed by the Tenderer or an Authorised Representative)					
Item	Description	Unit	Qty.	Unit Price incl. VAT	Total inc. VAT
A	SAFETY				
1	Fee for a Competent Health and Safety Officer employed to cover all site works until final completion and taking over by client. The officer nominated by Contractor to draw up a weekly report and present to Client. Report must include a section dedicated entirely for serious infringements and time frames for remedial action/ works, as will be entered by the officer in charge of H&S in the weekly report				Included in total
2	Sum to make site safe by hoarding and erection of barriers for contractor, third parties and other workers employees of TM and Enemed				Included in total
3	Insurance for contractor's employees, third parties and TM Personnel and Enemed				Included in total
B	LIFT ENCLOSURE & CIVIL WORKS				
1	Architectural fees for preparation of construction drawings for civil works alterations and new civil works construction for lift shaft to take new lift construction as is required for the installation of new lift to be supplied by contractor.				Included in total
2	Architectural monitoring of civil/alteration works by Contractor for final completion of lift shaft to take new lift to be supplied and finished by Contractor				Included in total

3	All Civil works of whatever nature (including demolition, excavation and builders works) to upgrade location for new lift enclosure as will be directed by the Contractor's Architect.				Included in total
4	All finishing works including tiling, damp proofing and re-instatement of disturbed works required to deliver lift as a complete installation and fit for purpose.				Included in total
5	CLEANING - Carefully remove and load and cart away redundant material and leave site in clean and as was before commencement of works				Included in total
C	ELECTRICAL SUPPLY				
1	Supply, lay and connect XLPE armoured cable 4x16sq.mm. as specified, including cleats, glands, lugs and all necessary hardware from existing electrical Distribution Board (DB) to lift isolator.				Included in total
2	Modify and replace existing DB to include main 100A and lift switchgear.				Included in total
3	Supply, install and connect 4-pole isolator of the lockable rotary type.				Included in total
4	Sum for all other electrical works required for a complete lift installation and as required for commissioning purpose by Not Body				Included in total
5	Test existing electrical installation.				Included in total
6	Compile and submit application for upgrading of electricity service, excluding fees.				Included in total
D	LIFT INSTALLATION				
1	Supply, delivery and installation of lift with 3 stops as specified. This includes all the necessary items of works. All works necessary for the complete and successful installation of the lift shall be deemed to be included in the price. Tenderers are required to carefully examine the site and the tender specifications as all items required must be catered for in the tendered rate.	No.	1		Included in total

2	Certification by a NB, testing and handing over Passenger Lift in perfect running order and fit for purpose				Included in total
			GRAND	TOTAL*	
3	Preventive Maintenance of Passenger Lift for 24 months after commissioning.	Lump Sum*			

Signature:

(the person or persons authorised to sign on behalf of the tenderer)

Date:

*** Total Amount is required quoted in EUROS (€) and inclusive of VAT.**

5.2 Technical Data on Lift Form with reference to the Provision of Passenger Lift.

TECHNICAL DATA ON LIFT FORM		
Item no	Description	Fill details as necessary (some details are already filled in and are to be adhered to)
1	Lift Manufacturer	
2	Model / Type	
3	Elevator type	
4	Quantity	1
5	Transmission Type	
6	Capacity	
7	Speed	Rated 0.75 – 1.0 m/s
8	Motor Starts per hour	180 s/hr
9	Voltage- Power Mains	3ph-400V (+&- 10%) 50 Hz
10	Voltage – light Mains	1 ph – 230V 50 Hz
11	Number of stops	4 in-line
12	Number of entrances	4 in-line
13	Total Elevator Travel Height (Rise)	
14	Head Room/Clear Overhead	
15	Car Internal Dimensions (W x D)	
16	Inside Cab height	2100 mm
17	Well dimensions (W x D)	
18	Permanent shaft lighting – LED lighting preferred	
19	Pit depth dimensions	
20	Location of machine room	

21	Control system	
22	Controls & fittings in Cabin	
	Door open/hold	
	Push button for Alarm bell	
	Floor address buttons – have Braille markings & illumination	
	Extractor fan with automatic activating switch	
	Display position indicator	
	Overload indication – visual & audible	
	3hrs Battery back- up for emergency lighting and alarm	
23	Control on landings	
	Lift call button	
	Display position indicator at all landings	
24	Landing doors	
	Automatic	
	Minimum Clear opening (mm) 900	
	Light Curtain	
25	Finish	
	Patterned scratchproof stainless steel.	
	Emergency Passenger Evacuation Device; lowering car to exit level; Automatic with door opening.	
	Overload device preventing start of journey when cabin load exceeds rated load	
	Emergency manual emergency lowering or raising	

26	Installation and Equipment Guarantee	24 months
27	Guarantee on the structure	20 years
28	Maintenance	24 Months

Signature:
(the person or persons authorised to sign on behalf of the tenderer)

Date:

Declaration regarding Site Visit

It is hereby declared that I visited and examined the Site where the passenger lift is to be installed.

Name:

Signature:

(the person who attended the site visit and is authorised to sign on behalf of the tenderer)

Tenderer's Name:

Date:

Data on Joint Venture/Consortium (Where applicable)

1	Name
2	Managing Board's Contact Details	Address: Telephone: Fax: Email:
3	Agency in the state of the Contracting Authority, if any <i>(in the case of a Joint Venture/Consortium with a foreign</i>	Address:

	<i>lead partner)</i>	<p>.....</p> <p>Telephone: Fax:</p> <p>Email:</p>
4	Names of Partners	<p>(i)</p> <p>(ii)</p> <p>(iii)</p> <p>(iv)</p>
5	Name of Lead Partner	<p>.....</p>
6	Agreement governing the formation of the Joint Venture/Consortium <i>(Enclose Joint Venture/ Consortium Agreement)</i>	
	Place of Signature: 	Date of Signature:

Signature:

(the person or persons authorised to sign on behalf of the tenderer)

Date:

Maintenance Proposal

(To be filled in and submitted with the tender document)

The maintenance agreement including hourly rate for emergency call outs after office hours for a period of 2 years during warranty and 2 years after the warranty period ends, is to be submitted with this form.

Tenderer's Name:

METHOD STATEMENT - PROCEDURES USED BY THE INSTALLER

(To be completed and submitted by Tenderer)

Method/Procedures used by the installer for the certification of the lift as per requirements of the Lifts Regulations 2002.

Signature: _____

Date: _____

PROGRAMME OF COMPLETION

(To be completed and submitted by Tenderer)

The Tenderer is to state hereunder the periods proposed during which the work will be carried out in accordance with Clause 1.2.1 of the Instructions to Tenderers.

Phase 1

Delivery of equipment to Malta: _____ weeks.

Phase 2

Installation of lift
and other related services: _____ weeks.

Phase 3

Running, testing and handing over of complete installations: _____ weeks.

Signature: _____

Date: _____

TECHNICAL OFFER

TECHNICAL DATA ON LIFT

(To be completed and submitted by Tenderer)

Item no	Description	Specification	Tender Offer (Confirm YES or state value as appropriate)
	Lift Manufacturer		
	Model / Type		
1	Elevator type	1 x MRL Gearless Traction - Passenger	
2	Quantity	1	
3	Transmission Type	2:1 or 1:1	
4	Capacity	12 passenger – 900kg	
5	Speed	Rated 1.0 m/s	

6	Lift usage	200,000 travels per annum	
7	Voltage- Power Mains	3ph-400V (+&- 10%) 50 Hz	
8	Voltage - light Mains	1 ph - 230V 50 Hz	
9	Number of stops	3 stops	
10	Number of entrances	3 in-line	
11	Total Elevator Travel Height (Rise)	Approx. 15.13m	
12	Head Room/Clear Overhead	3.2 m (existing building)	
13	Car Dimensions internal (W x D)	Minimum as per EN81-1 (latest edition) requirements.	
14	Inside Cab height	2100 mm	
15	Well dimensions (W x D)	2057mm x 1626mm	
		Lighting 2-pole switch with lamp indicator -from machine room	
		Permanent shaft lighting -Bulkhead fittings IP 54	

Signature of Tenderer _____

Date _____

TECHNICAL DATA ON LIFT

(To be completed and submitted by Tenderer)

Item no	Description	Specification	Tender Offer (Confirm YES or state value as appropriate)
16	Pit depth dimensions	Approx. 1.3m	
		Ladder	
		Socket outlet - supplied through control panel and RCD-protected	
		Drain facilities	
		Safety/emergency switch in pit	
17	Location of machine room	MRL	
18	Control system	Collective down	
19	Levelling accuracy	(+/- 5 mm)	
20	Controls & fittings in Cabin	Door open/hold	
		Push button for Alarm bell	
		Floor address buttons - have Braille markings & illumination	
		Extractor fan with automatic activating switch	
		Auto dialler system with warning sign giving instructions regarding the use of the rescue service.	
		Display position indicator	
		Overload indication - visual & audible	
		LED lighting	

		1-hour Battery back- up for emergency lighting and alarm	
		Inspection service key switch inside cabin (part of COP)	

Signature of Tenderer _____

Date _____

TECHNICAL DATA ON LIFT

(To be completed and submitted by Tenderer)

Item no	Description	Specification	Tender Offer for Lift at Main Administration Building, Enemalta (Confirm YES or state value as appropriate)
21	Control on landings	Lift call button using proximity access system	
		Display position indicator at all landings.	
		Floor annunciator system.	
22	Lift motion controller	Passenger overload device	
23	Maintenance controls	On top of cabin and in control cabinet	
		13A socket outlet on car roof	
24	Car construction	Acoustic linings	
		Car roof to support two persons	
		Hand Rail / Balustrade to be install on car roof according to EN81	
25	Cabin / Wall finishes	All sides in scratchproof stainless steel.	
		Half length mirror (minimum)	
		Hand Rail	
		Stainless steel kick plate 100mm high minimum + fold down seat.	
26	Floor finishes	Heavy duty non slip Rubber /PVC	
27	Car doors	(W x H) 900 x 2000 mm	
		Clear opening (mm) 900	
		Automatic side opening	

		Finished in scratchproof stainless steel	
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Signature of Tenderer _____

Date _____

TECHNICAL DATA ON LIFT

(To be completed and submitted by Tenderer)

Item no	Description	Specification	Tender Offer for Lift at Main Administration Building, Enemalta (Confirm YES or state value as appropriate)
28	Landing doors	(W x H) 900 x 2000 mm	
		Clear opening (mm) 900	
		Automatic side opening	
		Finished in scratchproof stainless steel	
		1 hour Euro Standard fire rating	
		Emergency lock key	
29	Car Safety Gear	Progressive type safety device + over speed ascending protection	
		Emergency Passenger Evacuation Device; lowering car to <u>ground</u> level; Automatic with door opening.	
		Door closing force limiter	
		Full curtain detection beams	
		Overload device preventing start of journey when cabin load exceeds rated load	
		Intercom between cabin and machine room	
		Final limit switch at top and bottom terminal landings	
		Emergency manual emergency lowering or raising	
		Electromechanical locks on all doors	
		Overspeed device	
		Motor overload and phase failure protection device	

33	Equipment Guarantee	24 months	
34	Maintenance	24 months	
35	Supply and Install cost of elevator (€)		

Signature: _____

Date: _____

SCHEDULE OF PARTICULARS FOR LIFT

(To be completed and submitted by Tenderer)

Rated kW. of Traction Motor:	
Full Load Current of Lift	
Energy Efficiency Class:	
Lift (including doors) starts per hour rating:	
Manufacturer of motor:	
Motor Types:	
Type of control system:	
Manufacturer of controller:	
Manufacturer of door mechanism:	
Number of lift ropes and type:	
Levelling accuracy of lift:	
Door opening time from instant the lift arrives at a landing until the doors are fully open:	
Door closing time from the instant a call is registered in the car until the doors close and the lift moves away:	

Signature: _____

Date: _____

INSTRUCTIONS to PERSONS TENDERING

- **The Tenderer shall examine all instructions, schedules, forms, terms and specifications before submitting his offer.**
- ALL SCHEDULES are expected to be filled in with requested data and confirmations. In cases where data in SCHEDULES are left missing, offer may not be considered.
- **No alteration shall be made in the Tender or in the Schedules thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the Tender may be rejected. The Tenderer, however, is at liberty to add further details that he may deem desirable. Such details shall not be binding upon the Purchaser.**
- All Documents requested in this tender document must be submitted with the offer. **Failure to furnish all information being requested will be at the Tenderer's risk and his Tender may be rejected.**
- **All information and documents should be in English language.**