

**Tender for Finishing & Landscaping Works, Electrical, Mechanical, ELV & Lifts
at the Caritas Community Centre, Mountbatten Street c/w San Gorg Preca, Sqaq il-Kubrit,
Blata l-Bajda – File No. F1456**

Further Clarifications

Clarifications requested by Horizon Projects (Email dated 10/01/2019)

Reference is made to the above-mentioned tender, we kindly ask for the following technical clarifications.

Traffic Management System

1. Item 15.00.01 [*Metal gates for vehicles as specified*] and Item 15.00.03 [*Metal gate to external for smoking area as specified*]

Can we have further information on these 2 items such as type and dimensions. Moreover, does these 2 gates form part of the finishing works because we didn't find them in the BOQ of metal works.

Answer: There will be two metal gates one vehicular and one pedestrian. A new item below, 12.15, is to be added to the BOQ.

2. Item 15.00.03 [*Electric garage door roller shutter for smoking area*]

Is this referring to item 12.11 in Metal Works BOQ?

Answer: Yes this is referring to item 12.11

3. Item 15.00.05 [*Barrier induction loops and obstacle detection system c/w sensitivity controller and street chasing*]

Can you kindly provide barrier dimensions required & verify if barrier is to be fixed in a limited height (under ceiling)?

Answer: There will be no barrier behind the gate, the gate will be the sole means of protection from vehicular access.

4. Item 15.00.08 [*Remote controller reader*] What is this referring to? For card readers, pin readers, can you please specify?

Answer: The metal gate shall have access control as per drawing ELV-X1-154-18 and specification section 28 "Gate Access System". There shall also be a facility to open the gate via a portable remote controller by the guard, thus requiring a reader.

Electrical Power and Lighting Installations

1. We have noted that schematics / schedules for Distribution Boards ref: DB – 1,9,1 and – 1,9,2 lifts are missing from the tender document. Can you please provide the above missing information so that we can quote for these distribution boards according?

Answer: Since these DB's are dedicated for the lifts, and the lifts shall be certified by ACAB, the requirements shall be as stipulated by the contractor.

ELV

1. We would like you to confirm us for which ELV systems the cable basket can be used.
Answer: Cable basket can be used for all ELV systems except for public address and fire alarm.

Rain water and Drainage Works

1. Item 4.01

The specs are quoting for UPVC Pipes with rubber push fit type. Please note that UPVC pipes, push fit type, come in orange colour not grey and the orange colour pipes are normally used for underground pipe work installation. We propose to use UPVC solvent type (normal pipe work) or poly propylene pipe work push fit type, both UPVC solvent type and the poly propylene pipes work come in grey colour, while the UPVC solvent type also comes in grey and white colour. Please confirm if this is acceptable.

Also, the system is not stating if a closed or a normal conventional system is to be used. Can you please clarify.

If a closed system is to be used then one has to add the vent in parallel together with the closed manifolds in line and as far as I can see these are not included in the bill, if the conventional system is to be used then the gully and hopper have to be used and these are also not mentioned in the bill. Please advise.

Also note that gully with hopper push fit type are not available, if this is to be used then one has to opt for a solvent glue type system.

Answer: A closed system will be used; the vent is found in Bill item 6.01 with a 75mm diameter and the manifolds are in BOQ item 6.08.

2. Item 4.02

Does the price include the digging or just construction of man holes?

Answer: The price includes digging.

3. Item 4.09

Is it correct to say that this refers to fire rated expanding foam and not to fire collars?

Answer: Fire collars are to be used.

CCTV

1. With reference to the CCTV System, kindly confirm that bill item 9.00.06 should include a pc work station. Therefore, in total the system will have 2 pcs for bill items 9.00.06 and 9.00.07?

Answer: For items 9.00.06 and 9.00.07, a remote viewing workstation and a 32" monitor only.

2. Please also advise whether we should include 4 monitors or just 4 output monitors for bill item 9.00.06?

Answer: For item 9.06.06 only one output monitor is required. Item 9.06.07 is separate from the CCTV system and a standalone TV screen.

3. Reference is made Public Address System bill item 12.00.02. Kindly clarify for what purposes will the rubber sheathed 3 core cable will be used this is since 2 core cable is usually used for speakers.

Answer: If speakers have an earth connection, this extra wire serves for this purpose.

PVs

1. Are the panels to be mounted on a steel structure i.e. beams? If affirmative is a drawing available? If metal beams are these to be galvanized?

Answer: Yes PV panels are to be installed at an incline in the direction that captures most sun, and preferably galvanised steel.

2. Is a structure made of anodized aluminium acceptable for this PV offer?

Answer: Same as above.

3. Will PV structure be bolted to ground? Alternatively, counter weights will have to be used?

Answer: It is preferred that a cast plinth on slab, certified by contractor's architect, and covered with membrane is prepared to support the structure. This will need to be coordinated with the civil contractor.

4. Can we have a clearer representation of what is on the roof (what is the dark box beneath the panels and how high is it / What is the height of the boundary wall/ are there any other obstructions/ what type of ceiling is there / are there any tiles on the roof or is it concrete screed)

Answer: The roof shall be used for a generator, water tanks and pumps and the rest allocated for the PV's. Refer to Section 1-1, Drawing No A-P-108. The roof finish will be solid concrete screeds.

5. Can a side elevation of the requested heavy-duty steel structure be given to us so that we can understand what is required?

Answer: Galvanised steel structure shall be designed and certified by contractor.

6. Has REWS application already been made and approved as there currently is no legislation place for feed in tariffs. If not please keep in mind that this system exceeds 16A per phase and therefore a grid connection study will have to be conducted by Enemalta first to see if this system size is allowed?

Answer: No, the cost of this shall be covered under item 2.09.05

7. If possible, can we have the section drawing as shown on the solar panel layout SP-15-154-18.

Answer: Refer to item 5 above

Water Softener

1. The specs do not seem to have the anticipated incoming (or design) hardness. Is the 21L unit in the BOQ meant to cover the attached spec? The spec calls for 250m³ between regeneration, for which one will need at least 1000L Industrial System even at an incoming hardness of 20Fdegs (200mg/l as CaCO₃). This would have 900mm vessel alongside a 600l salt tank. Please confirm what is required.

Answer: Anticipated hardness is 35m³ and the flow between generation should read about 2.5m³. A 21 Litre unit should suffice.

Joinery Works

1. Solid door to have a honey comb core or hollow -particle board core with walnut veneer of solid walnut and to have vision panel?

Answer: The solid doors shall have a honey comb core.

2. Laminated faced timber door to have a vision panel?

Answer: All internal doors are to incorporate a vision panel.

3. Level 1- Outreach- CD101- Main entrance door In timber, with push bar, self-close and vision panel.

Could you kindly indicate the design of the door, will it be a grooved panel door as it is a Main entrance door? We also suggest that it will be in a material more durable to external exposure such as Iroko not Walnut which is not so much suitable for external use.

Answer: It is agreed that external doors should be Iroko and not walnut. The main entrance door is still to be a simple plain door without grooves or panels.

4. Can provide us with a drawing of doors to indicate the design/style of the doors (if flush doors or panel doors) corresponding to the plan drawings.

Answer: Internal doors are also plain flush doors.

5. The door finish of the flush doors will be in a walnut veneer finish or laminate face, as the box frame and Architraves need to be in a matching finish?

Answer: The door finish shall be walnut laminate face.

6. Can we have further details/specifications regarding the sound reduction (55db) and what are the requirements as this make a huge difference in the pricing.

Answer: The issue of 55db is needed because of privacy within the offices/consultancy rooms. Contractor is to state what sound reduction may be achieved by his system.

HVAC

1. Kindly clarify, if we can offer centralized controller for the VRF Systems and a separate wall mounted controller for the HRU.

Answer: Yes agreed

- The amount of HRU's on the BOQ is different compared to the plans. Please clarify the exact amount.

Answer: The drawings shall take precedence over the BOQ. Please correct any difference on separate BOQ.

- Supply Fan (SF 1) of Level 0 - Not included in BOQ

Answer: The drawings shall take precedence over the BOQ. Please correct any difference on separate BOQ.

- Extractor Fan (EF 1) - One is missing in the BOQ

Answer: The drawings shall take precedence over the BOQ. Please correct any difference on separate BOQ.

Hot and Cold Water Systems

- Reference is made to item 5.03.04, 5.03.05 and 5.03.06 below

The duty and operation type (pressure switches/ timers/ inverters) of the Pumps mentioned in the Tender BOQ Items

5.03.04	Water booster pump set P1, inverter driven complete with strainers, non-return valves, flexible connectors and shut off valves as specified	1	No
5.03.05	Hot water circulating pump set, complete with strainers, non-return valves, flexible connectors, pressure gauges, and shut off valves as specified	1	No
5.03.06	Submersible pump P3 complete with, lifting chain, control panel, dry run protection and on/off float switch plus control to roof tank	2	No

Submersible Pumps P2 indicated on Drawing No. CW-09-154-18, are the same Pumps referred to as P3 in Tender BOQ Item 5.03.06 above?

Answer: Yes correct item 5.03.06 should read P2.

Lifts

- The cabin dimensions for the 6-person passing/goods lift are not according to the CRPD rules. This lift has also to abide by the CRPD rules Right?

Answer: The main passenger lift which has to abide by CRPD rules shall be the one surrounded by the stairs; the good lifts shall be used only to transport material and not people; this does not have access for all requirements.

Curtain wall and apertures

- The sound reduction of 55dB seems a bit over rated compared to normal practice, can we have further details/specifications regarding the sound reduction (55db) and what are the requirements as this make a huge difference in the pricing.

Answer: Our main concern is the privacy of the cubicles. A double glazed curtain wall for the offices is a must. Tenderer is to state what is the maximum sound attenuation that he can provide.

2. Is glazing Hst required?

Answer: Heat Soak Test is to be included.

3. Advise colour of glazing, aluminium profiles, anodised or powder coated.

Answer: Use White powder coated aluminium and clear glass.

4. Can we have AutoCAD drawings for Curtain wall and apertures elevation are required.

Answer: The curtain wall is indicated on drawings F1456-A-P-109/110/111.

5. Can provide us with a drawing of doors to indicate the design/style of the apertures corresponding to the plan drawings.

Answer: The doors shall a whole glazed panel with a frame surround; there should not be a middle mullion.

Apart for the above information we are kindly asking if a site visit will be permissible, to have a clearer picture of the site and in order to provide a fair and competitive offer. Kindly advise if this can be organized.

A site visit will be held on Friday 25th January 2019 at 9.00am.

Additional Information

New item:

12.15 Steel Gates: Supply all material, construct and install

The following steel gates composed as follows:

- Hot dip galvanizing
- Spray painted white
- Frame fixed to pilasters
- Hinges as required
- Swinging two leaves supported on wheels
- Simple perimeter square frame 75 x 75mm SHS
- Solid circular or square rails 16mm at 100mm centre to centre
- Electric lock for automated open/close system

a) Vehicular gate size 2900 mm wide by 2100 mm high 1 No.

b) Pedestrian gate size 3000 mm wide by 2100 mm high 1 No.