

CLARIFICATIONS FOR 120 DORMITORIES –

Tender reference number: TZA22003-10262

The following clarifications shall apply to the 120 Dormitories Bill of Quantities (BOQ):

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ELEMENT 1: SUBSTRUCTURE

1. The unit of measurement for formwork shall remain square metres (m²) as originally provided. No changes are applicable to this item.
2. Concrete works for ramps were not included in the BOQ. Tenderers shall allow for the following additional item:

Item	Description	Qty	Unit
	CONCRETE WORK		
1	Reinforced in-situ concrete Grade 20, including vibration and high-tensile A142 square mesh reinforcement, for 100 mm thick ramps	15	m ²

ELEMENT 5: FINISHES

Floor Finishes

1. Under Item E of the Floor Finishes section, the BOQ specifies a 20 mm thick bedding for receiving porcelain floor tiles; however, the supply of tiles is not included in the item description. For clarification, tenderers shall provide rates excluding the cost of porcelain floor tiles.

Ceiling Finishes

Tenderers shall not price for aluminium ceilings as originally stated. Instead, pricing shall be based on gypsum board ceilings fixed to treated softwood branderings frames, as detailed below:

Item	Description	Qty	Unit
	CEILING FINISHES		
1	9 mm thick gypsum board ceiling fixed to and including 50 × 50 mm timber branderings at maximum 600 mm centres; joints filled and skimmed with approved filler; galvanized drive screws; screw heads filled, sanded, taped and skimmed	382	m ²
	Extra Over for Ceiling Access Hatches		
2	600 × 600 mm ceiling access hatch	7	Nr
3	Plain gypsum cornice	1,370	m
	Branderings		
4	50 × 50 mm treated softwood branderings	1,146	m

Find Clarification in blue colour for ELEMENT NO 9: EXTERNAL WORKS. And ELEMENT NO. 10 MECHANICAL INSTALLATIONS

ELEMENT NO 9: EXTERNAL WORKS,

Stone Masonry Drainage Ditch

Item L: "Supply and build stone masonry drainage ditch 250 mm thick (1:4) – 23 m³."

> Kindly provide the relevant drawing/detail and clarify the following:

- Qn: Required width, depth and longitudinal profile of the drainage ditch;
- Ans: Find attached drawings/sketch. longitudinal profile is not provided as the drainage have the same dimensions though out.
- Qn: Whether the 250 mm thick stone masonry is required to the side walls only or both side walls and the bottom;
- Ans: find attached drawing/sketch
- Qn: Confirm whether 1:4 refers to cement: sand mortar;
- Ans: Confirmed use cement of 42.5N
- Qn: Required stone type/size and masonry specification;
- Ans: Use hard, durable igneous or sandstone rocks with a minimum compressive strength of 25 MPa. Soft or weathered stones shall not be used. Stone sizes shall be sufficiently large to suit the dimensions of the drainage ditch and ensure stable interlocking masonry construction. Preference shall be given to flat-faced stones to achieve proper bonding and alignment. The exposed surfaces shall be finished with smooth, flush-pointed mortar joints to minimize hydraulic resistance and facilitate the free flow of stormwater with minimal friction and sediment accumulation.
- Qn: Whether excavation, disposal of surplus material and backfilling are included in this item or measured separately;
- Ans: are included in
- Qn: Whether the masonry requires plastering, rendering or pointing; and
- Ans: Flush pointing
- Qn: Confirm whether the stated 23 m³ represents the total volume of completed stone masonry.
- Ans: Yes, it represents the total completed stone masonry. But the rate should include all required pointing, excavation, backfilling if any and disposal of surplus material

Concrete Slabs for Ditch Cover

Item M: "Supply and fix concrete slabs for covering a ditch, mix 1:2:4 with 6mm BR – 4 m³."

> Kindly provide the relevant structural/detail drawing and clarify the following:

- Qn: Required slab thickness and dimensions;

- Ans: Find drawing section P-P the thickness is 100mm
- Qn: Required reinforcement arrangement, including bar diameter and spacing;
- Ans: In a drawing find detail G-G use Y6-150mm c/c – B1 same for bottom 2.
- Qn: Whether the 6 mm BR refers to 6 mm diameter reinforcement bars and confirm whether reinforcement is to be provided in one or both directions;
- Ans: Yes, you may use reinforcement Mesh A142 as per BS 4486:1985
- Qn: Required concrete strength/grade;
- Ans: adopt concrete Grade 25 avoid using bigger than 1/2 sized aggregates
- Qn: Whether the slabs are to be precast or cast in situ;
- Ans: chose which suit you best, either precast or cast in situ
- Qn: Required bearing/support detail at the ditch sides; and
- Ans: as per drawing: ends bearing supports has a length of 250mm
- Qn: Confirm whether the stated 4 m³ represents the total concrete volume of the slabs.
- Ans: confirmed: the rate should include everything including formworks

Cut and Fill / Landscaping Works

Item P: “Cut and fill to level the site for landscaping where necessary. Provide back slope (1:2) and construct stone-lined cutoff drain to divert runoff – 500 m³.”

> Kindly provide the relevant drawings/details indicating:

- Qn: The areas and extent of the cut and fill works;
- Ans: areas appropriate 1000m², average cut depth for all sites about 1.2m deep.
- Qn: Whether the 500 m³ represents cut, fill, or the combined earthworks quantity;
- Ans: The 500 m³ represents the volume of excavation. This means that 500 m³ of material will be excavated and disposed of at a spoil area located approximately 100 m from the building line. Alternatively, depending on its suitability, the excavated material may be reused, for example, in the production of ISSB (Interlocking Stabilized Soil Block) bricks instead of being disposed of.
- Qn: The required compaction requirements;
- Ans: No compaction is required for the spoiled excavated material. Compaction should only be carried out at the foundation trench formation level before commencing the construction of the masonry foundation walls, to ensure adequate bearing capacity and a stable foundation base.
- Qn: The dimensions and length of the stone-lined cutoff drain; and
- Ans: Ignore cutoff drains, not needed here. The item M is enough here is a duplicate.
- Qn: Details/specification of the stone lining.
- Ans: Ignore cut off drains, not needed. The item M is enough here is a duplicate.

Decorative Masonry Seating Benches Around Trees

Item R: “Building stone masonry decorative seating benches around trees inside open sky area and outside building (size 1800 mm dia × 300 mm wide × 500 high and 400 mm deep) – 7 m³.”

Qn: > Kindly provide a typical drawing/detail showing the bench construction, including the correct masonry thickness/depth, internal and external dimensions, seating finish, and whether the item includes any concrete foundation, plastering, coping or other finishes.

Ans: Please find the attached sketch for the stone masonry seating benches. No concrete foundations or plastering are required. The works shall consist of excavating the trench, compacting the trench bottom using a jumping compactor (*mguu wa jini*), and constructing the stone masonry foundation and bench structure. The finish shall be by pointing only, with flat coping stones provided on top to ensure user comfort when seated. Where the selected stones do not provide a sufficiently smooth seating surface, a 25 mm thick cement-sand mortar topping shall be applied and finished smooth to provide a comfortable seating surface.

Fertile Soil, Grass and Flowers

Item S: “Supply fertile soil (compost) and plant grass and flowers as directed by the Consultant/Client – 38 m³.”

> Kindly clarify:

- Qn: The required depth/thickness of fertile soil;
- Ans: for grasses the depth is 10cm, for a pit to plant fruits trees is 90cm deep.
- Qn: Type of grass and flowers/plants to be provided;
- Ans: Carpet Grass (*Axonopus compressus*): Dense, low-maintenance, and forms a thick green carpet.
- Flower: Adopt Banana like flower boom with orange red colour and pentas lanceolata red variety. Don't worry we will select the variety available around the respective district.
- Qn: Required planting density/spacing; and
- Ans: High dense for grasses and 30-50cm spacing for flowers.
- Qn: Whether watering and maintenance after planting are included in this item.
- Ans: School teacher and students will maintain after you plant together with them

Drying clothes lines

Item T: “Supply and install a set of drying lines containing two steel round pipes of 12 mm diameter painted in black, well installed and consolidated by concrete, stable to last longer, hosting four iron lines connected from end to end of the poles to dry clothes – 10 sets.”

> Kindly confirm:

- Qn: The required height and length of the steel poles;
- Ans: Use 2m high from ground level 2.5inches diameter steel post casted in concrete grade 20 by 60cm deep inside ground with welded 4 anchoring 12mm bars
- Qn: The spacing between the two poles;
- Ans: 6m
- Qn: Required pipe wall thickness;
- Ans: 3mm thick
- Qn: Specification/diameter of the four iron clothes lines;
- Ans: Galvanized steel lines 4mm thick diameter.
- Qn: Dimensions of the concrete foundations; and
- Ans: 40cm diameter, 60cm deep, concrete grade 20
- Qn: Whether the steel pipes are to be galvanized or mild steel prior to painting.
- Ans: Yes, use mild steel black pipe, apply three coat of red oxide protection layers, then paint three coat of light grey colour.

Solar Street Lighting

Item U: “Supply and install street photocell solar lighting as per drawings, solar street lighting poles with 65N Voltmax solar batteries. Fixed as per drawings from dormitory to class nearby classroom – 25 No.”

> Kindly provide/confirm:

- Qn: Solar light LED wattage;
- Ans: 1000 watts, Ingress Protection: IP65, Impact Resistance: IK08, Housing: Die-cast aluminium with corrosion-resistant coating and Lifetime: $\geq 50,000$ hours. 10meters distance wireless remote control. Working time more than 10hours, see picture below.



- Qn: Solar panel capacity;
- Ans: 300W high-efficiency monocrystalline solar panel with module efficiency not less than 21%, anodized aluminum frame, tempered glass front cover, and performance warranty of 25 years, complete with mounting brackets and all accessories required for charging a 12.8V, 80Ah LiFePO₄ battery through an MPPT charge controller
- Qn: Battery specification and capacity, including confirmation of “65N Voltmax”;
- Ans: Supply and install 12.8V, 80Ah Lithium Iron Phosphate (LiFePO₄) battery for solar street lighting applications, with a minimum nominal energy capacity of 1,024Wh. The battery shall be designed for deep-cycle solar energy storage and shall incorporate an integrated Battery Management System (BMS) for protection against overcharge, over-discharge, overload, short circuit, overcurrent, and over-temperature. The battery shall provide a minimum usable capacity of 80-90% of rated capacity, have a design life of not less than 10 years, and a cycle life of at least 3,000 cycles at 80% Depth of Discharge (DoD). The battery shall operate within an ambient temperature range of -20°C to +60°C, be maintenance-free, non-spillable, and suitable for outdoor solar lighting installations. The battery enclosure shall have a minimum protection rating of IP65 and be supplied complete with all necessary mounting accessories and interconnecting cables. Do not supply 65N voltmax
- Qn: Solar controller specification;
- Ans: Charge Controller: MPPT 80A-100A, 48V with remote monitoring capability
- Qn: Pole height, diameter and material;

- Ans: 9m height, Galvanization: Hot-dip galvanized, minimum 85 µm coating thickness steel post, 150mm diameter at bottom, 100mm diameter at top, Wind Resistance: ≥120 km/h. steel Post Wall Thickness: 3-4 mm, base plate 8mm thick welded to post and including shear stiffeners in four sides. Anchor J-Bolts: 4 No. galvanized M20 × 800 mm with nuts and washers
- Qn: Foundation dimensions/details; and
- Ans: check drawings: and note drawings indicate concrete grade 20, but the correction is use concrete grade 25.
- Qn: Required lighting levels/illumination requirements;
- Ans: Luminous Flux: 130,000-170,000 lumen

ELEMENT NO.10: MECHANICAL INSTALLATIONS

ITEM C: “Construct a (1:2:4) 6mm BRC reinforced concrete wash basin with a 600mm × 400mm width by 350mm depth internal dimension, and provide a 50mm diameter water outlet hole provided with trap and screener, 100mm concrete partition wall between one wash basin to another same for slab. Top-level of wash basin from floor is 750mm, it will be casted on top of brick wall, includes formworks, bottle trap, drainers and necessary accessories; it will be used as hand wash basin as well. Apply Terrazzo finishing and all necessary waterproofing admixtures to the dhobi sinks – 5m³.”

> Kindly clarify/provide the following:

1. Qn: Confirm the number of wash basin/dhobi sink units or compartments required.
Ans: 8 hand wash basin, and and 9 dhobi sinks. All are cast in nsitu by using concrete grade 25, and reinforcement bars of Y6-100mm c/c B1/B2 one at one face.
2. Qn: Confirm whether the stated 5m³ represents the total concrete volume or whether the item is intended to be measured by number of completed wash basins/units.
Ans: Yes, 5m³ it represents total concrete volume of wash basins and dhobi sinks.
3. Qn: Provide the relevant construction/detail drawing showing the overall dimensions, slab thickness and wall thickness.
Ans: slab thickness 150mm, and basins partitioning concrete wall is 100mm thick, standing on brick masonry wall. Note: the overall dimensions for all hand wash sink and dhobi sinks are length is 11.8m and 0.6m width.
4. Qn: Confirm the BRC reinforcement specification and spacing.
Ans: Y6, 100mm c/c bottom one and bottom two only one mesh.
5. Qn: Confirm the specification and arrangement of the 50mm outlet, bottle trap, strainer/screener and drainers.
Ans: Confirmed as per provided drawings.
6. Qn: Clarify whether the brick supporting wall is included in this item or measured separately.
Ans: Wall is included in
7. Qn: Confirm the required Terrazzo finish specification and thickness.

Ans: 35 mm thick terrazzo finish to dhobi sinks, comprising 20 mm cement-sand backing screed (1:3) and 15 mm terrazzo topping of white cement and graded grey and white marble chips (3-8 mm) in the ratio of 1:2, including grinding, polishing, rounded edges, curing, and all materials and labour complete.

8. Qn: Confirm the required waterproofing admixture specification.

Ans: All terrazzo toppings, cement-sand screeds, and rendering to dhobi sinks shall incorporate an approved integral waterproofing admixture at the manufacturer's recommended dosage rate. The waterproofing admixture shall be Sika-1, Fosroc Conplast X421IC, CICO No.1, or other approved equivalent.

9. Qn: Confirm whether the associated waste pipes and connections to the drainage system are included in this item or measured separately.

Ans: included in this item including bib cocks each per sinks.

End of Clarifications.

August 15th 2026