

ADDENDUM

WAREHOUSE

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|------|-----|------|--------------|
| | <p><u>ELEMENT NO. 1: DEMOLITIONS & ALTERATIONS</u></p> <p><u>Pricing Notes</u></p> <p><u>The Tenderer is advised to visit the site and seek all clarification from the design team before pricing and ascertain the nature of any existing buildings and services. NO claims arising from the Tenderer's omission from their tender, underpricing or lack of understanding of the nature and scope of demolition work will be entertained</u></p> <p><u>Tenderers are strongly advised to read and understand the following notes before pricing this section. Any query on the notes should be referred to the Quantity Surveyor or Project Architect</u></p> <p><u>Description</u></p> <p><u>Descriptions and scope of demolition work contained herein after are intended as a GUIDE ONLY to the Tenderer and no liability will be accepted for any discrepancies or inadequacies in these descriptions. The whole of the work shall be carried out in accordance with and to the entire satisfaction of the Architect. The Contractor shall, before commencing work, obtain all necessary authorizations for carrying out the work, give all necessary notices and pay all fees and charges in connection therewith. He shall arrange for and pay all fees and charges, if any, for disconnecting of electrical supplies, etc</u></p> <p><u>Prices</u></p> <p><u>Prices for the demolition of any portion of the structure, shall include for its demolition complete, with all surface finishes such as plaster, tiles, screeds, etc. All attached items of joinery such as skirtings, etc. and all reinforcement, conduits, pipes, lintols, etc. built into that portion of the structure.</u></p> | | | | |
| | <i>Carried to Collection</i> | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|---|------|-----|------|--------------|
| | <p><u>Prices for the removal of partitioning, etc. shall include for the removal of door frames, fanlights, ironmongery, architraves and other associated trim</u></p> <p><u>Prices for the removal of door and frames shall include for the removal of fanlights, ironmongery, architraves and other associated trim</u></p> <p><u>Prices for the removal of ceilings shall include for removal of all electrical and mechanical services and fittings in the ceiling void including partitioning etc. within the ceiling void</u></p> | | | | |
| 1 | The unit of billing in this section is "item" | | | | |
| 2 | <p>Amounts for demolitions shall include the following in addition to what is described in the particular item:</p> <p>a) Making good i.e. re-instatement of any finishes and structures affected by the demolition work to the original state</p> <p>b) Clearing debris with speed on a daily basis as they arise, cleaning of affected surfaces, and removal of the debris from site to local authority approved dumping sites. Accumulation of debris within the site premises shall not be allowed</p> | | | | |
| 3 | Demolition work shall be carefully executed with the particular aim of minimizing damage to adjacent finishes, structure, or components | | | | |
| 4 | The Contractor is to allow for all temporary protection required during the demolition works including ordinary and special dust screens, shoring and strutting, hoardings, scaffolding, barriers, warning signs, etc, as directed by the Architect | | | | |
| 5 | The amounts quoted shall be deemed to be inclusive of all handling of the removed items and their removal from site | | | | |
| 6 | Amounts given should include for adequate temporary support and protection for the remaining elements of the buildings being demolished and to adjacent buildings and services | | | | |
| | <i>Carried to Collection</i> | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|---|------|-----|------|--------------|
| 7 | All materials, components and fittings arising from the demolitions work shall become the property of the Contractor. The tenderer is therefore expected to give realistic credit in the appropriate column for items which have salvage value. | | | | |
| 8 | <p>Amount indicated will be adjusted against the approximate quantities to reflect the actual quantity of demolition work executed on site as shown in the layouts or directed by the architect.</p> <p><u>Temporary Protection</u></p> <p><u>All existing structures shall be propped, strutted and prepared as necessary for the demolition work. All debris and surplus material arising from demolitions shall be removed from the site and all existing site conditions disturbed made good to match new or existing works all to the Architects' satisfaction. Materials for re-use shall be carefully removed, cleaned, stored where directed by the Architect on site and afterwards fixed to the satisfaction of the Architect. Materials arising from demolitions reserved for the Employer shall be carefully cleaned and stacked on site where directed and the Architect shall at his sole discretion take possession of same on or before the date of practical completion, otherwise clearing away will imply that they become the property of the contractor who will allow credit in his rates accordingly</u></p> <p><u>Provide, erect and remove when directed, all incidental shoring, needling, strutting, etc. that may be necessary while carrying out any portion of the works, to ensure stability of the premises with suitable and substantial timber and other materials. Prices for all items of demolition to form openings shall include for the provision of such support</u></p> <p><u>Carefully demolish existing structures: including excavating for and removing all foundations; temporary disconnecting and capping all electrical and plumbing services</u></p> <p><u>All timber flooring, wardrobes, sanitary fittings, roofing tiles windows and doors, panel doors, masonry block, water tanks and accessories shall be reserved for the Employer</u></p> | | | | |
| | <i>Carried to Collection</i> | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|------|-----|------|--------------|
| A | Carefully demolish walls including cutting to create new openings where directed; (approximately 17m ²) make good all affected areas | Item | | | |
| | DEMOLITIONS & ALTERATIONS CARRIED TO SUMMARY | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|------|-----|------|--------------|
| | <u>ELEMENT NO. 2; FINISHES</u> | | | | |
| | <u>WALL FINISHES:</u> | | | | |
| | <u>Internal wall finishes</u> | | | | |
| | <u>External cement and sand(1:3) render: steel trowelled: on masonry or concrete: to</u> | | | | |
| A | Walls and concrete surfaces | sm | 3 | | |
| | <u>Prepare surfaces: apply weather proof textured cement based paint on wall and column surfaces: on rendered wall as per manufacturer's specifications</u> | | | | |
| B | Externally to walls and concrete surfaces | sm | 3 | | |
| | <u>Stretch ceiling</u> | | | | |
| | <u>Supply and install stretch ceilings made of Polyvinyl Chloride (PVC) fabric membrane, fixed/ tucked into aluminium track frame work profiles; fixed to walls/ concrete suspended / steel roof structure above with screws, universal platforms for light fixtures and other systems; Installation to be done using special professional gas heaters and sealed with rubber tape at the edges; Ceilings to be printed to Architectural design and details</u> | | | | |
| C | Ceiling: patterns to Architect's approval and detail | sm | 580 | | |
| | FINISHES CARRIED TO SUMMARY | | | | |

| WAREHOUSE WORKS SUMMARY | | | |
|-------------------------|--|---------|--------------|
| Item | Description | Page No | Amount (USD) |
| 1 | DEMOLITIONS & ALTERATIONS | Page 4 | |
| 2 | FINISHES | Page 5 | |
| | WAREHOUSE WORKS SUMMARY CARRIED TO MAIN SUMMARY | | |

WASHROOM

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|---|------|-----|------|--------------|
| | <u>ELEMENT NO. 1: SUBSTRUCTURES (All Provisional)</u> | | | | |
| A | Clear site of all vegetation including small trees, scrubs and bushes, excavate to remove top vegetable soil and heap as directed on site; average depth of 150mm | sm | 23 | | |
| B | Top soil excavation; average 150mm thick depth to reduced levels | sm | 23 | | |
| C | Excavate for column bases commencing from strip level: not exceeding 1.5m | cm | 11 | | |
| D | Excavate for strip foundation trenches commencing from bulk excavated level: not exceeding 1.5m deep | cm | 5 | | |
| E | Extra over all kinds of excavation irrespective of depth for rock | cm | 3 | | |
| F | Allow for upholding and supporting sides of excavations including any necessary plunking and strutting | Item | | | |
| G | Allow for keep excavations free of water including any necessary pumping | Item | | | |
| H | Return, fill and ram selected soil in foundations | cm | 9 | | |
| J | Remove surplus soil from site to a place approved by local authority | cm | 7 | | |
| | <u>Mass concrete mix (1:3:6):in</u> | | | | |
| K | 50mm thick blinding under strip foundations | sm | 4 | | |
| L | Ditto under column bases | sm | 7 | | |
| | <u>Vibrated reinforced insitu concrete class 20/25; with minimum cube crushing strength of 25N/mm² at 28 days; in</u> | | | | |
| M | Strip foundations | cm | 1 | | |
| N | Column bases | cm | 2 | | |
| P | Columns | cm | 1 | | |
| Q | 150mm thick ramp | sm | 23 | | |
| | <i>Carried to Collection</i> | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|------|-----|------|--------------|
| | <u>Mesh fabric reinforcement</u> | | | | |
| A | Mesh reinforcement No. A98 size 200mm x 200mm weighing 2.24 kg per square metre: in floor slab: including all necessary supports | sm | 23 | | |
| | <u>Supply and fix high yield deformed ribbed bars to BS 4449/1997; Grade 460B high yield strength Type 2; Proof stress of 460N/mm², in structural concrete work including cutting, bending, hoisting, tying wire, spacing todos and support all position</u> | | | | |
| B | D8 | Kg | 35 | | |
| C | D10 | Kg | 222 | | |
| D | D12 | Kg | 105 | | |
| | <u>Formwork: Marine ply boards reinforced with steel frames to in-situ concrete to:-</u> | | | | |
| E | Column bases | sm | 9 | | |
| F | Columns | sm | 7 | | |
| G | Strips | sm | 3 | | |
| H | Edges: ramp slab 75mm - 150 mm girth | m | 13 | | |
| | <u>Walling</u> | | | | |
| J | Chisel dressed natural stone walling bedded in cement and sand mortar (1:4) with reinforced hoop iron gauge 500 in every course and a minimum stone crushing strength of 14N/mm ² | sm | 12 | | |
| | <u>Fill</u> | | | | |
| K | Imported hardcore bed well compacted in layers not exceeding 150mm thick | cm | 107 | | |
| L | 200mm thick compacted approved granular gravel material (murrum), well watered and compacted in 100mm thick (maximum) layers | sm | 23 | | |
| M | 200mm thick hardcore of approved inert material: hand packed, well watered and compacted in 200mm thick (maximum) layers | sm | 23 | | |
| | <i>Carried to Collection</i> | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|---|------|-----|------|--------------|
| A | <u>Blinding</u> 50mm thick approved quality murrum blinding to surfaces of hardcore | sm | 23 | | |
| B | <u>Anti-termite treatment</u> Termidor 25EC anti-termite chemical treatment: applied by approved professional pest control specialist: applied strictly in accordance with the manufacturer's instructions: 10 year guarantee | sm | 23 | | |
| C | <u>Damp proof membrane</u> Gauge 1000 polythene damp proof membrane | sm | 23 | | |
| D | <u>25mm thick cement and sand (1:4) rendering: on concrete or stonework: wood float: to</u> Plinths: externally | sm | 12 | | |
| E | <u>Prepare surfaces and apply undercoat and two finishing coats black bitumastic or other equal approved water resistant paint: on rendered surfaces: to</u> Plinths: externally | sm | 12 | | |
| | <i>Carried to Collection</i> | | | | |
| | <u>COLLECTION</u> From Page 6 From Page 7 From Page 8 (Above) | | | | |
| | SUBSTRUCTURES CARRIED TO SUMMARY | | | | |

| WASHROOM WORKS SUMMARY | | | |
|------------------------|---|---------|--------------|
| Item | Description | Page No | Amount (USD) |
| 1 | SUBSTRUCTURES | Page 8 | |
| | WASHROOM WORKS SUMMARY CARRIED TO MAIN SUMMARY | | |

GATE HOUSE

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|------|-----|------|--------------|
| | <p><u>ELEMENT NO. 1: DEMOLITIONS</u></p> <p><u>Pricing Notes</u></p> <p><u>The Tenderer is advised to visit the site and seek all clarification from the design team before pricing and ascertain the nature of any existing buildings and services. NO claims arising from the Tenderer's omission from their tender, underpricing or lack of understanding of the nature and scope of demolition work will be entertained</u></p> <p><u>Tenderers are strongly advised to read and understand the following notes before pricing this section. Any query on the notes should be referred to the Quantity Surveyor or Project Architect</u></p> <p><u>Description</u></p> <p><u>Descriptions and scope of demolition work contained herein after are intended as a GUIDE ONLY to the Tenderer and no liability will be accepted for any discrepancies or inadequacies in these descriptions. The whole of the work shall be carried out in accordance with and to the entire satisfaction of the Architect. The Contractor shall, before commencing work, obtain all necessary authorizations for carrying out the work, give all necessary notices and pay all fees and charges in connection therewith. He shall arrange for and pay all fees and charges, if any, for disconnecting of electrical supplies, etc</u></p> <p><u>Prices</u></p> <p><u>Prices for the demolition of any portion of the structure, shall include for its demolition complete, with all surface finishes such as plaster, tiles, screeds, etc. All attached items of joinery such as skirtings, etc. and all reinforcement, conduits, pipes, lintols, etc. built into that portion of the structure.</u></p> | | | | |
| | <i>Carried to Collection</i> | | | | |

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|------|---|------|-----|------|--------------|
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| 1 | The unit of billing in this section is "item" | | | | |
| 2 | <p>Amounts for demolitions shall include the following in addition to what is described in the particular item:</p> <p>a) Making good i.e. re-instatement of any finishes and structures affected by the demolition work to the original state</p> <p>b) Clearing debris with speed on a daily basis as they arise, cleaning of affected surfaces, and removal of the debris from site to local authority approved dumping sites. Accumulation of debris within the site premises shall not be allowed</p> | | | | |
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| | <i>Carried to Collection</i> | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|------|-----|------|--------------|
| | <u>ELEMENT NO. 2; SUBSTRUCTURES (All Provisional)</u> | | | | |
| A | Excavate for column bases commencing from strip level: not exceeding 1.5m | cm | 6 | | |
| F | Return, fill and ram selected soil in foundations | cm | 3 | | |
| G | Remove surplus soil from site to a place approved by local authority | cm | 17 | | |
| | <u>Mass concrete mix (1:3:6):in</u> | | | | |
| H | 50mm thick blinding under column bases | sm | 9 | | |
| | <u>Vibrated reinforced insitu concrete class 20/20; with minimum cube crushing strength of 20N/mm² at 28 days; in</u> | | | | |
| L | Column bases | cm | 1 | | |
| M | Columns | cm | 1 | | |
| | <u>Supply and fix high yield deformed ribbed bars to BS 4449/1997; Grade 460B high yield strength Type 2; Proof stress of 460N/mm², in structural concrete work including cutting, bending, hoisting, tying wire, spacing tots and support all postion</u> | | | | |
| B | D8 | Kg | 23 | | |
| C | D10 | Kg | 148 | | |
| D | D12 | Kg | 70 | | |
| | <u>Formwork: Marine ply boards reinforced with steel frames to in-situ concrete to:-</u> | | | | |
| E | Column bases | sm | 4 | | |
| F | Columns | sm | 4 | | |
| | SUBSTRUCTURES CARRIED TO SUMMARY | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|---|------|-----|------|--------------|
| | <u>ELEMENT NO. 3; SUPERSTRUCTURE</u> | | | | |
| | <u>Structural steelwork</u> | | | | |
| | <u>Framed mild steel work as described complete with bolts, nuts, washers, splash plates and base plates; including drilling, hoisting and placing above ground floor slab level, one coat red oxide primer before fixing and touch up on completion to approval</u> | | | | |
| B | UC 203mm x 203mm x (46.10Kg/m) | kg | 415 | | |
| K | 50mm diameter galvanised steel wire cable (15.41kg/m) | Kgs | 93 | | |
| | <u>Sundry items</u> | | | | |
| D | M20 x 600mm holding down bolt and including nuts and washers to match, drilling hole in floor and columns connection | No | 6 | | |
| E | 600mm x 600mm x 15mm thick mild steel plate: four times bolted to concrete surfaces | No | 1 | | |
| | <u>Signage</u> | | | | |
| D | Supply, fabricate, deliver, and install a high-end 9500mm x 1100mm signage complete with powder-coated aluminium framing, premium brushed stainless steel or ACP cladding, 3D laser-cut illuminated lettering (LED backlit or front-lit), integrated electrical works, structural supports, surface preparation, and all necessary accessories, executed to high standards of workmanship and in full compliance with branding and safety requirements. | No | 1 | | |
| | SUPERSTRUCTURE CARRIED TO SUMMARY | | | | |

| GATE HOUSE WORKS SUMMARY | | | |
|--------------------------|---|---------|--------------|
| Item | Description | Page No | Amount (USD) |
| 1 | DEMOLITIONS | Page 11 | |
| 2 | SUBSTRUCTURES | Page 12 | |
| 3 | R.C. SUPERSTRUCTURES | Page 13 | |
| | GATE HOUSE WORKS SUMMARY CARRIED TO MAIN SUMMARY | | |

| BUILDERS WORKS SUMMARY | | | |
|------------------------|---|--|--------------|
| Item | Description | | Amount (USD) |
| 1 | WARE HOUSE | | |
| 2 | WASHROOMS | | |
| 3 | GATE HOUSE | | |
| | BUILDERS WORKS SUMMARY CARRIED TO MAIN SUMMARY | | |

MECHANICAL WORKS

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|--|-------|-----|------|--------------|
| | <p><u>ELEMENT NO 1: REVERSE OSMOSIS (RO) PLANT</u></p> <p><u>Supply, Install, Test and Commission the following Items as specified:</u></p> <p>RO plant designed for a 2.5 m³/hr permeate output with 4 m³/hr feed, ensuring high efficiency and reliability. The system includes pre-treatment, RO membranes, high-pressure pumps, instrumentation, and controls for a complete operational setup. The price to include both biological and chemical water analysis.</p> <p>Shall be as "DAB " automatic booster pump model: E.SYBOX Capacity: 4m³/hr, Head: 40m Power supply: 1.1kW, 1phase 240v, 50Hz. Complete with pressure switch, pressure cell, control panel, valves, and any other accessories necessary for efficient operation or equal and approved.</p> <p>Cylindrical polyethylene cold water storage tanks capacity 10,000 litres. Dimensions: Diameter 2,360mm by height 2,670mm. As ROTA/polytank or equal and approved. On a plinth space to SE details. Complete with screwed connections for inlet, outlet and overflow, GI Long nipple, GI Barrel nipple, GI Sockets, 40mm medium pressure ball valve, 40mm G I Backnuts.</p> <p>Allow for a Prime Cost Sum of USD. 620 for pipework, including sockets, unions, installation fees, and all necessary fittings to ensure full system functionality.</p> <p>Install, Test and Commission the following items complete as specified:PN-25 PP-R Pipes and Fittings (or similar equal and approved) to be used.</p> <p>PIPEWORK</p> <p>40mm diameter pipe</p> <p>32mm diameter pipe</p> <p>25mm diameter pipe</p> <p>40mm diameter high pressure screw-down full way non-rising stem solid wedge disc gate valve to BS 5154 PN 16</p> <p>Ditto but 25mm</p> | Nos. | 1 | | |
| | | Set | 1 | | |
| | | Nos. | 2 | | |
| | | Item | 1 | | |
| | | Mtrs. | 36 | | |
| | | Mtrs. | 24 | | |
| | | Mtrs. | 22 | | |
| | | Nos. | 4 | | |
| | | Nos. | 4 | | |
| | Carried to Collection | | | | |

| Item | Description | Unit | Qty | Rate | Amount (USD) |
|------|---|-------|-----|------|--------------|
| J | Allow for Hose tap as Pegler OR equal and approved | Nos. | 24 | | |
| K | 100mm diameter (PVC Sleeve) | Mtrs. | 44 | | |
| K | Excavate trench, including levelling, ramming bootoms, backfilling average 600mm deep | Mtrs. | 82 | | |
| | <i>Carried to Collection</i> | | | | |
| | <p><u>COLLECTION</u></p> <p>From Page 9</p> <p>From Page 10 (Above)</p> | | | | |
| | Total For Element No 1: General Items Carried To Summary | | | | |

| GENERAL MECHANICAL WORKS SUMMARY | | | |
|----------------------------------|--|---------|--------------|
| Item | Description | Page No | Amount (USD) |
| 1 | REVERSE OSMOSIS (RO) PLANT | Page 11 | |
| 2 | PC SUM FOR BIO DIGESTOR (MECHANICAL EQUIPMENT) | Sum | 10,750.00 |
| | GENERAL MECHANICAL WORKS SUMMARY CARRIED TO MAIN SUMMARY | | |

PROPOSED ALTERATIONS AND UPGRADES AT HCD KIBWEZI, MAKUENI COUNTY

GRAND SUMMARY - ADDENDUM

| BILL | DESCRIPTION | AMOUNT (USD) |
|------|--------------------------------------|--------------|
| 1 | BUILDERS WORKS | |
| 2 | MECHANICAL INSTALLATIONS | |
| | TOTAL ESTIMATED COST (INCLUSIVE VAT) | |