

THE UNITED REPUBLIC OF TANZANIA



PRESIDENT'S OFFICE
REGIONAL ADMINISTRATION AND LOCAL GOVERNMENT

PROPOSED STANDARD COUNCIL LEVEL HOSPITALS

Schedule of Material, Labour & Drawings for Mortuary Block

PROJECT AREA

TANZANIA MAINLAND

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APRIL, 2018

PO-RALG

Schedule of Material

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|---|-------|----------------|-----------|--------|
| | <u>MATERIALS</u> | | | | |
| A. | SUBSTRUCTURE - PROVISIONAL | | | | |
| 1 | <u>Strip Foundation - Grade 15 Plain</u> | | | | |
| | Aggregate (3/4") | 21 | M ³ | | |
| | Sand | 11 | M ³ | | |
| | Cement-50kgs | 95 | Bags | | |
| 2 | <u>Foundation Walls</u> | | | | |
| | 6" Cement & Sand Block | 1,792 | No | | |
| | Sand | 6 | M ³ | | |
| | Cement -50kgs | 30 | Bags | | |
| 3 | <u>Moram, Hardcore & Site sterilization</u> | | | | |
| | Moram (Lorry 4.5M ³) | 12 | Trips | | |
| | Hardcore (Lorry 4.5M ³) | 6 | Trips | | |
| | Sand | 9 | M ³ | | |
| | Aldrin solution or equal and other approved | 50 | Litres | | |
| 4 | <u>Oversite Concrete (100mm thick - 15 grade) Ground Beam - 20 grade & Column base</u> | | | | |
| | DPM | 172 | M ² | | |
| | Cement -50kgs | 144 | Bags | | |
| | Aggregates (1/2") | 25 | M ³ | | |
| | Sand | 13 | M ³ | | |
| | Reinforcement - 16mm diameter high tensile | 1 | PC'S | | |
| | Reinforcement - 12mm diameter high tensile | 43 | PC'S | | |
| | Reinforcement - 8mm diameter | 54 | PC'S | | |
| | Timber 1" X 8" (5.2m long) | 12 | PC'S | | |
| | Timber 2" X 2" | 10 | PC'S | | |
| | Nails-4" | 15 | Kgs | | |
| | Nails-3" | 10 | Kgs | | |
| | Supporting props | 20 | PC'S | | |
| | SUB-TOTAL SUB STRUCTURE | | | | |

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA =195 SQ.M)

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|--|-------|----------------|-----------|------------|
| B. | SUPERSTRUCTURE | | | | |
| 1 | <u>Walls, Columns & Ring beam</u> | | | | |
| | 6" Cement & Sand Block | 3,400 | No | | |
| | DPC (20m long) | 7 | Roll | | |
| | Sand | 20 | M ³ | | |
| | Cement-50kgs | 136 | Bags | | |
| | Aggregates (1/2") | 7 | M ³ | | |
| | Reinforcement - 16mm diameter high tensile | 1 | PC'S | | |
| | Reinforcement - 12mm diameter high tensile | 47 | PC'S | | |
| | Reinforcement - 8mm diameter | 59 | PC'S | | |
| | Binding Wire - 1kg | 8 | Bundle | | |
| | Timber 1" X 8" to Sides (5.2m long) | 54 | PC'S | | |
| | Timber 1" X 5" (Plates) | 17 | PC'S | | |
| | Timber 2" X 2" | 10 | PC'S | | |
| | Supporting Props | 25 | PC'S | | |
| | SUB-TOTAL SUPER STRUCTURE | | | | |
| | | | | | |
| C. | ROOF STRUCTURE & COVERING | | | | |
| 1 | <u>Roof Structure - Provisional</u> | | | | |
| | Timber 2" X 3" purlins | 765 | FT | | |
| | Timber 2" X 4" kingpost, struss & Wall plate | 1,331 | FT | | |
| | Timber 2"X 6"rafters and tie beam | 1,092 | FT | | |
| | Fascia board 1"X 10" (5.2m long) | 13 | PC'S | | |
| | Nails -5" | 20 | Kgs | | |
| | Nails -4" | 30 | Kgs | | |
| | Nails -3" | 15 | Kgs | | |
| | NOTE: The above soft wood timber structure should be pressure impregnated treated | | | | |
| | TO COLLECTION | | | | B/F |

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|---|-------|----------------|-----------|--------|
| | | | | C/F | |
| 2 | <u>Roof Covering-as per ALAF or other equal approved</u> | | | | |
| | 28G IT5 resin coated sheet | 270 | M ² | | |
| | Hips/Ridge - 28 G | 15 | PC'S | | |
| | Roofing Nails | 6 | Packet | | |
| 3 | <u>Gutter's</u> | | | | |
| | Upvc 125mm half round (6m long)-5" | 11 | PC'S | | |
| | Upvc 75mm diameter down pipe; Class B | 4 | PC'S | | |
| | PVC outlet | 4 | PC'S | | |
| | PVC bend 90' | 4 | PC'S | | |
| | PVC bend 45' | 8 | PC'S | | |
| | Gutter support bracket | 66 | PC'S | | |
| | Gutter Clamp 3" | 12 | PC'S | | |
| | Connector/reducer | 8 | PC'S | | |
| | Corner outlet | 4 | PC'S | | |
| | SUB-TOTAL ROOF STRUCTURE & COVERING | | | | |
| D. | CEILING | | | | |
| | Gypsum board -9mm thick | 60 | PC'S | | |
| | Plain Cornice | 89 | PC'S | | |
| | Screw 1.25" 800pcs/box | 19 | Box | | |
| | Gypsum powder | 10 | Bags | | |
| | Fiber tape | 3 | Pcs | | |
| | Treated soft wood timber 2" X 2" | 2,103 | FT | | |
| | Nails 4" | 15 | Kgs | | |
| | Nails 3" | 20 | Kgs | | |
| | SUB-TOTAL FOR CEILING | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|--|------|----------------|-----------|--------|
| E. | DOOR | | | | |
| 1 | <u>40mm thick solid core flush door shutter</u> | | | | |
| | 1200 x 2100 mm high | 5 | PC'S | | |
| | 1000 x 2100 mm high | 1 | PC'S | | |
| | 900 x 2100mm high | 11 | PC'S | | |
| | 800 x 2100mm high | 5 | PC'S | | |
| 2 | <u>Frames (hardwood),Varnish & Glass</u> | | | | |
| | 1200 x 2500 mm high | 5 | PC'S | | |
| | 1000 x 2100 mm high | 1 | PC'S | | |
| | 900 x 2500mm high | 11 | PC'S | | |
| | 800 x 2100mm high | 5 | PC'S | | |
| | 4mm thick clear glass to Vents | 8 | M ² | | |
| | Brush 3" | 5 | Pcs | | |
| | Sand paper (msasa) No.80 | 10 | LM | | |
| | Clear Varnish - 4Litres | 3 | TIN | | |
| | TINA for Varnish -4Litres | 2 | Litres | | |
| 3 | <u>Ironmongeries - Union</u> | | | | |
| | Mortice lock - Three lever | 23 | No | | |
| | Brass hinges - 100mm | 25.5 | Pairs | | |
| | Barrel bolt - 150mm | 10 | No | | |
| | Wood Screw | 3 | Box | | |
| | Kick- plate; 600 x 200mm | 20 | No | | |
| | Kick- plate; 1000 x 200mm | 2 | No | | |
| | Kick- plate; 900 x 200mm | 22 | No | | |
| | Kick- plate; 800 x 200mm | 10 | No | | |
| | Hinges double swing -150mm | 15 | Pairs | | |
| | Pushing plate | 20 | No | | |
| | SUB-TOTAL FOR DOORS | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|---|-----|----------------|-----------|--------|
| F. | WINDOWS | | | | |
| 1 | <u>Supply and fix Aluminium Windows 2mm thick frame with 5mm thick glass, Mosquitor gauze ironmongeries and all necessary accessories</u> | | | | |
| | 1600 X 1500mm high | 10 | PC'S | | |
| | 750 X 1500mm high | 8 | PC'S | | |
| | 750 X 750mm high | 7 | PC'S | | |
| 2 | <u>Supply and fix 32 x 32mm steel square pipe window grill painted red-oxide</u> | | | | |
| | 1600 X 1500mm high | 10 | PC'S | | |
| | 750 X 1500mm high | 8 | PC'S | | |
| | 750 X 750mm high | 7 | PC'S | | |
| | SUB-TOTAL FOR WINDOWS | | | | |
| G. | FINISHING | | | | |
| 1 | Floor finishing (ratio 1:4) | | | | |
| | Sand | 8 | M ³ | | |
| | Cement-50kgs | 50 | Bags | | |
| | 450 X 450 X 8mm thick - Non-slippery porcelain floor tiles(1.42 sqm/Box) | 121 | Box | | |
| | Epoxy - Grout (1kg/packet) | 26 | Packet | | |
| | Spacer | 14 | Packet | | |
| | Skirting (600mm long; 25/Box) | 11 | Box | | |
| 2 | Wall Finishing | | | | |
| | Sand | 18 | M ³ | | |
| | Cement-50kgs | 108 | Bags | | |
| | White cement - 50kg | 7 | Bags | | |
| | Gypsum powder | 33 | Bags | | |
| | Sand pepar No.120 (msasa) | 1 | Roll | | |
| | 200 X 300 x 9mm thick Wall tiles to toilets full height -0.96 sqm/Box) | 84 | Box | | |
| | Epoxy - Grout (1kg/packet) | 12 | Packet | | |
| | Spacer | 6 | Packet | | |
| | SUB-TOTAL FOR FINISHING | | | | |

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|--|-----|---------|-----------|--------|
| H. | PAINTING & DECORATION | | | | |
| | Emulsion Paint - 20 LTRS | 10 | buckets | | |
| | Weather guard Paint - 20 LTRS | 3 | buckets | | |
| | Washable paint -20 LTRS | 2 | buckets | | |
| | Primer paint -20 LTRS | 2 | buckets | | |
| | Solvent - 5LTRS | 2 | TIN | | |
| | Brush 3" | 2 | Pcs | | |
| | Roller | 3 | Pcs | | |
| | Gloss paint-4LTR | 2 | TIN | | |
| | Bitumen paint - 4Litres | 2 | TIN | | |
| | SUB-TOTAL FOR PAINTING&DECORATION | | | | |

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA =195 SQ.M)

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|---|-----|--------|------------|--------|
| J. | ELECRICAL INSTALLATION & AIR CONDITIONING | | | | |
| 1 | Single fluorescent fitting, approved philips or equal | 8 | No | | |
| 2 | Double fluorescent fitting, approved philips or equal | 14 | No | | |
| 3 | Double switch sorcket | 7 | No | | |
| 4 | Main switch 8way,3PH with intergral RCD | 3 | No | | |
| 5 | Single core wire 1.5sqmm - Red | 300 | m | | |
| 6 | Single core wire 1.5sqmm - Black | 200 | m | | |
| 7 | Single core wire 1.5sqmm -green | 100 | m | | |
| 8 | Single core wire 2.5sqmm approved uro or equal red | 100 | m | | |
| 9 | Single core wire 2.5sqmm approved uro or equal black | 100 | m | | |
| 10 | Single core wire 2.5sqmm approved uro or equal green | 0 | m | | |
| 11 | Ceiling fan, approved National or equal | 2 | PC's | | |
| 12 | 4 core cable 16mmsq | 20 | M | | |
| 13 | 3gang one way switch | 1 | No | | |
| 14 | 2gang two way switch | 15 | No | | |
| 13 | 4gang one way switch | 1 | No | | |
| 15 | 20A DP switch | 4 | No | | |
| 16 | Lan socket | 0 | No | | |
| 17 | Gypsum light complete with energy saver 18w | 12 | No | | |
| 18 | Earth rod approved copper not less than 1200mm | 1 | No | | |
| 19 | Earth wire 4sqmm | 20 | M | | |
| 20 | Metal box double | 7 | PC's | | |
| 21 | Metal box single | 21 | PC's | | |
| 22 | Junction box | 30 | No | | |
| 23 | Conduit pipe | 80 | PC's | | |
| 24 | Elbow | 25 | PC's | | |
| 25 | Conduit coupling | 20 | PC's | | |
| 26 | Round cover | 20 | PC's | | |
| 27 | Round box | 20 | PC's | | |
| 28 | fine screw | 5 | Packet | | |
| | | | | C/F | |

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA =195 SQ.M)

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|------|---|-----|------|------------|--------|
| | | | | B/F | |
| 29 | Plastic clips 22mm | 3 | Box | | |
| 30 | Extra fan | 3 | PC'S | | |
| | Air - Condition | | | | |
| 31 | Supply and fix LG or equal and approved A.C with all necessary accessories -BTU 18000 | 1 | No | | |
| | SUB-TOTAL ELECTRICAL INSTALLATION & AC | | | | |

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA =195 SQ.M)

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|-----------|--|-----|------|------------|--------|
| K. | PLUMBING & SANITARY INSTALLATION (PROVISIONAL) | | | | |
| 1 | Polypipe 3/4" | 50 | M | | |
| 2 | Tee connector 3/4" | 4 | PC'S | | |
| 3 | Connector 3/4" | 2 | PC'S | | |
| 4 | IPS Elbow 1/2" | 12 | PC'S | | |
| 5 | IPS Elbow 3/4" | 11 | PC'S | | |
| 6 | IPS pipe 1/2" | 24 | m | | |
| 7 | IPS pipe 3/4" | 18 | m | | |
| 8 | IPS tee 1/2" | 9 | PC'S | | |
| 9 | IPS nipple 1/2" | 18 | PC'S | | |
| 10 | IPS nipple 3/4" | 6 | PC'S | | |
| 11 | IPS union 3/4" | 6 | PC'S | | |
| 12 | IPS socket 1/2" | 16 | PC'S | | |
| 13 | Bush reducing 3/4" - 1/2" | 6 | PC'S | | |
| 14 | Angle valve 1/2" | 10 | PC'S | | |
| 15 | Bib tape pex 1/2" | 6 | PC'S | | |
| 16 | Stop cock pex '1/2" | 1 | PC'S | | |
| 17 | Stop cock pex '3/4" | 6 | PC'S | | |
| 18 | Thread seal tape | 20 | PC'S | | |
| 19 | PVC pipe 1 ^{1/2} " | 1 | PC'S | | |
| 20 | PVC pipe 1 ^{1/4} " | 2 | PC'S | | |
| 21 | PVC pipe 4' CLASS C" | 11 | PC'S | | |
| 22 | PVC bend 4" | 1 | PC'S | | |
| 23 | PVC bend 1 ^{1/2} " | 6 | PC'S | | |
| 24 | PVC tee 1 ^{1/4} " | 4 | PC'S | | |
| 25 | PVC tee 1 ^{1/2} " | 4 | PC'S | | |
| 26 | PVC bend 1 ^{1/4} " | 3 | PC'S | | |
| 27 | PVC bend with cleaning eye 4" | 1 | PC'S | | |
| 28 | PVC plug 1 ^{1/4} " | 3 | PC'S | | |
| 29 | P-trap 4" | 1 | PC'S | | |
| 30 | Non-trap 1 1/2" | 1 | PC'S | | |
| 31 | Strainer | 1 | PC'S | | |
| 32 | PVC gully trap 4" | 5 | PC'S | | |
| 33 | Tangit | 2 | TIN | | |
| 34 | PVC socket with Female threads 1 ^{1/4} " | 4 | PC'S | | |
| 35 | PVC socket with Female threads 1 ^{1/2} " | 3 | PC'S | | |
| 36 | Flexible pipe 1/2" | 8 | PC'S | | |
| | | | | C/F | |

SCHEDULE OF MATERIALS

MORTUARY - (GROSS FLOOR AREA =195 SQ.M)

| ITEM | DESCRIPTION | QTY | UNIT | PRICE-TZS | AMOUNT |
|------|---|-----|------|------------|--------|
| | | | | B/F | |
| 37 | WC squatting Complete with P trap -Asian type | 3 | PC'S | | |
| 38 | Socket IPS 1/2" | 1 | PC'S | | |
| 39 | Sluice sink complete with pilar tape and all necessary accessories as per approved | 1 | PC'S | | |
| 40 | Shower rose complet with stand and mixer (chrome). | 1 | PC'S | | |
| 41 | Toilet shower (shataf) | 3 | PC'S | | |
| 42 | Hands wash basin complete with 6" Levers operating for elbow control and its accessories | 6 | PC'S | | |
| 43 | Mirror | 6 | PC'S | | |
| 44 | Stainless kitchen sink single bowl and drain complete with all necessary fittings and accessories as per approved | 2 | PC'S | | |
| | SUB-TOTAL FOR PLUMBING AND SANITARY INSTALLATION | | | | |

| <u>GENERAL SUMMARY</u> | | AMOUNT |
|-------------------------------|--|---------------|
| | | TZS |
| | <u>MORTUARY BLOCK</u> | |
| A. | SUBSTRUCTURE - PROVISIONAL | |
| B. | SUPERSTRUCTURE | |
| C. | ROOF STRUCTURE & COVERING | |
| D. | CEILING | |
| E. | DOOR | |
| F. | WINDOWS | |
| G. | FINISHING | |
| H. | PAINTING & DECORATION | |
| J. | ELECTRICAL INSTALLATION & AIR CONDITIONING | |
| K. | PLUMBING & SANITARY INSTALLATION (PROVISIONAL) | |
| TOTAL MATERIALS COST | | TZS |

Schedule of Labour

| Na. | AINA YA KAZI | BEI YA UFUNDI - Shs |
|-----------|---|---------------------|
| A | <u>Msingi wa Jengo (Sub-structure)</u> | |
| 1 | Kusafisha eneo | |
| 2 | Kuseti jengo | |
| 3 | Uchimbaji wa msingi | |
| 4 | Kufukia | |
| | <u>Kufunga mbao</u> | |
| 5 | Pembezeni mwa jamvi | |
| 6 | Pembezeni mwa nguzo | |
| 7 | Kuondoa mbao | |
| | <u>Kumwaga zege</u> | |
| 8 | Chini kwenye msingi wa tofali | |
| 9 | Chini kwenye msingi wa nguzo | |
| 10 | katika nguzo ya awali | |
| 11 | kwenye jamvi | |
| 12 | Ujenzi wa tofali (1792 pc's) | |
| | <u>Mawe</u> | |
| 13 | Upangaji wa mawe na utandazaji wa DPM | |
| 14 | Umwagiliaji wa maji | |
| | Jumla ndogo msingi wa jengo | |
| | | |
| B. | <u>Kunyanyua jengo (Super-structure)</u> | |
| 1 | Ujenzi wa tofali za kuta na uwekaji DPC (3400PC'S) | |
| | <u>Kufunga mbao katika:</u> | |
| 2 | Nguzo mlalo | |
| 3 | Nguzo wima | |
| | <u>Kusuka nondo katika:</u> | |
| 4 | Nguzo mlalo | |
| 5 | Nguzo wima | |
| | <u>Kumwaga zege katika:</u> | |
| 6 | Nguzo mlalo | |
| 7 | Nguzo wima | |
| 8 | Umwagiliaji wa maji | |
| | | |
| C. | <u>Kuezeka (Roof structure and covering)</u> | |
| | Kuezeka na ufungaji wa gata | |
| | Jumla ndogo kunyanyua jengo | |

| Na. | AINA YA KAZI | BEI YA UFUNDI - Shs |
|-----------|---|---------------------|
| D. | <u>Milango</u> | |
| 1 | Kufitisha fremu za milango | |
| 2 | Kufitisha shata za milango pamoja na vitasa | |
| 3 | Upakaji wa Varnishi katika milango na fremu | |
| | | |
| E. | <u>Umaliziji (Finishing)</u> | |
| | <i>Upigaji wa lipu pamoja na kutengeneza koplo:</i> | |
| 1 | Nje ya jengo | |
| 2 | Ndani ya jengo | |
| | | |
| | <u>Sakafu</u> | |
| 3 | Uwekaji wa sakafu ya kupokea vigae (beds) | |
| 4 | Uwekaji wa vigae pamoja na grauti katika sakafu (floor tiles) - | |
| | | |
| | <u>Dali:</u> | |
| 6 | Ufungaji wa mbao za dali (Branding) | |
| 7 | Uwekaji wa dali na mikanda ya gypsum | |
| 8 | Uwekaji wa dali ya pvc kuzunguka nyumba kwa nje | |
| | | |
| 9 | Uwekaji wa vigae katika kuta na upakaji grout | |
| | Jumla ndogo umaliziji(finishing) | |
| | | |
| F. | <u>Rangi na Mapambo (Painting & Decoration)</u> | |
| | | |
| | <u>Kupaka rangi mikono mitatu pamoja na skimming katika:</u> | |
| 1 | Kuta za nje | |
| 2 | Kuta za ndani | |
| 3 | Dali | |
| | | |
| | <u>Kupaka rangi mikono mitatu katika:</u> | |
| 5 | Msingi wa nyumba | |
| 6 | Grill za milango na madirisha | |
| | | |
| | Jumla ndogo Rangi na mapambo | |
| | | |
| G. | <u>Umeme (Electrical installation)</u> | |
| 1 | Usukaji wa umeme awamu ya kwanza - Conduit na Box | |
| 2 | Usukaji wa umeme awamu ya pili (2nd fix)-fittings | |
| | Jumla ndogo Umeme | |

| Na. | AINA YA KAZI | BEI YA UFUNDI - Shs |
|-----|---|---------------------|
| H. | Mifumo ya maji safi na taka (Water Supply and Sewage system) | |
| | | |
| 1 | Ufungaji bomba awamu ya kwanza (Kuchimbia bomba) | |
| 2 | Ufungaji bomba awamu ya pili (2nd fix) -fittings | |
| 3 | Ufungaji wa Mifumo ya maji ya mvua kwenda kwenye tanki | |
| | Jumla ndogo Mifumo ya maji safi na taka | |

| MAJUMUISHO (SUMMARY) | | |
|-----------------------------|--|------------|
| | | Shs |
| A. | Msingi wa Jengo (Sub-structure) | |
| | | |
| B. | Kunyanyua jengo (Super-structure) | |
| | | |
| C. | Kuezeka (Roof structure and covering) | |
| | | |
| D. | Milango | |
| | | |
| E. | Umalizaji (Finishing) | |
| | | |
| F. | Rangi na Mapambo (Painting & Decoration) | |
| | | |
| G. | Umeme (Electrical installation) | |
| | | |
| H. | Mifumo ya maji safi na taka (Water Supply and Sewage system) | |
| | | |
| | JUMLA KUU Shs. | |

ANGALIZO:

Fundi anatakiwa kujaza hii fomu kwa kupitia mchoro wa jengo husika

Drawings