

UNIVERSITI BRUNEI DARUSSALAM

Bil. Sebutharga / Quotation

UBD/Q/262/2025 - [G]

TERM CONTRACT (1 YEAR) REPAIR WORKS AT KUALA BELALONG FIELD STUDIES CENTRE (KBFSC) TEMBURONG, UNIVERSITI BRUNEI DARUSSALAM

| Item | Description | Unit | Rate |
|------|--|----------------|-----------|
| 1 | Transport (temuai) charges and other deemed necessary to carried out the following work. | Per Trip | \$ 200.00 |
| A | <u>BUILDING GENERAL REPAIRWORK</u> | | |
| A1 | CLEARING Clear any vegetation, grass, shrubs, trees bushes, stone, boulder and the like; clear all debris offsite or at S.O discretion | m ² | \$ 1.00 |
| B | CUTTING Cut down large tress including grubbing up roots and filling voids with imported fills | | |
| B1 | < 150mm ø | no | \$ 250.00 |
| B2 | 150mm - 300mm ø | no | \$ 400.00 |
| B3 | > 300mm ø | no | \$ 650.00 |
| C | DEMOLITION AND ALTERATION Break-up concrete including cutting and bending of reinforcement; dispose off site; all necessary excavation and backfilling; make good all work disturbed in material to match existing | | |
| C1 | Reinforced concrete substructures, ground slabs including removing any finishes and sub base under 100mm thick | m ² | \$ 8.00 |
| C2 | 150mm thick | m ² | \$ 10.00 |
| C3 | 200mm thick | m ² | \$ 12.00 |
| C4 | 250mm thick | m ² | \$ 15.00 |
| C5 | 300mm thick | m ² | \$ 18.00 |
| C6 | Reinforced concrete structures, slabs, walls and the like including removing any finishes 100mm thick | m ² | \$ 8.00 |
| C7 | 150mm thick | m ² | \$ 10.00 |
| C8 | 200mm thick | m ² | \$ 12.00 |
| C9 | 300mm thick | m ² | \$ 18.00 |
| C10 | <u>Strip off or removal of and dispose off site roof finishes</u> Waterproof membrane roof finishes and cleaning surfaces using appropriate solvent to bare concrete | | |
| C11 | Flat roof, side and bottom of gutters | m ² | \$ 2.00 |
| C12 | Roof structure and finishes complete with all flashing, underlaying roofing paper, insulation, weld mesh and members/trusses | m ² | \$ 11.00 |
| C13 | Roof finishes complete with all flashing, underlaying roofing paper, insulation and weld mesh | m ² | \$ 8.00 |
| C14 | <u>Remove metal cladding; clear all debris off site</u> wall cladding including metal or timber framing | m ² | \$ 2.50 |
| C15 | <u>Remove and dispose offsite rainwater goods including all fittings and brackets</u> UPVC or metal gutter, downpipes etc | m | \$ 1.50 |
| | Hack off concrete to remove gutter downpipe and make good works disturbed | no | \$ 14.00 |

| Item | Description | Unit | Rate |
|------------|--|-------|----------|
| C | DEMOLITION AND ALTERATION | | |
| C16 | Metal, G.I or plastic gutters not exceeding 450mm girth | m | \$ 1.50 |
| C17 | Metal, G.I or plastic gutters exceeding 450mm girth | m | \$ 1.50 |
| | <u>Break up RC perimeter drain, sumps or kerbs, cutting and bending of reinforcement; dispose debris off site</u> | | |
| C18 | not exceeding 250mm | m | \$ 4.00 |
| C19 | 250mm - 300mm | m | \$ 6.00 |
| C20 | 300mm - 450mm | m | \$ 7.00 |
| C21 | 450mm - 600mm | m | \$ 8.00 |
| C22 | R.C. sump average size 600mm x 600mm wide | no | \$ 30.00 |
| | <u>Break up existing wall including finishes; provide opening including necessary temporary supports; make good works disturbed; clear debris off site</u> | | |
| C23 | brickwall half brick thick | m^2 | \$ 6.00 |
| C24 | brickwall one brick thick | m^2 | \$ 11.00 |
| C25 | brickwall one and a half brick thick | m^2 | \$ 15.00 |
| C26 | brickwall two brick thick | m^2 | \$ 18.00 |
| C27 | Clear glass block | m^2 | \$ 10.00 |
| C28 | Block wall | m^2 | \$ 7.00 |
| | <u>Remove existing ceiling; clear all debris off site</u> | | |
| C29 | Softboard, hardboard, gypsum board, cement board or metal ceiling and the likes | m^2 | \$ 1.60 |
| C30 | Softboard, hardboard, gypsum board, cement board or metal ceiling and the likes; complete with all framing or suspension system | m^2 | \$ 2.00 |
| C31 | Timber slate | m^2 | \$ 3.00 |
| | <u>Remove existing fencing; clear all debris off site</u> | | |
| C32 | 1200mm high fencing | m | \$ 2.00 |
| C33 | 1800mm high fencing | m | \$ 3.00 |
| C34 | 1200mm high fencing post and bracing | no | \$ 3.50 |
| C35 | 1800mm high fencing post and bracing | no | \$ 4.00 |
| | <u>Remove and dispose off site timber, glass, aluminium doors and the like</u> | | |
| C36 | Single leaf | no | \$ 4.00 |
| C37 | Double equal leaf | no | \$ 7.00 |
| C38 | Double unequal leaf | no | \$ 6.50 |
| | <u>Remove and dispose off site timber, glass, aluminium doors and the like including frames and jambs</u> | | |
| C39 | Single leaf | no | \$ 5.00 |
| C40 | Double equal leaf | no | \$ 8.00 |
| C41 | Double unequal leaf | no | \$ 7.50 |
| | <u>Remove existing; clear debris off site and make good works disturbed</u> | | |
| C42 | Window including frame | m^2 | \$ 3.00 |
| C43 | Safety grilles to door, windows and the like including frame | m^2 | \$ 2.00 |
| C44 | Timber / Metal collapsible door, including track, frame, accessories | m^2 | \$ 4.00 |
| C45 | Roller shutter c/w other associate accessories | m^2 | \$ 6.00 |
| C46 | Flag pole complete with accessories and substructure | no | \$ 25.00 |

| Item | Description | Unit | Rate |
|-------------|---|-------|-----------|
| C | DEMOLITION AND ALTERATION | | |
| | Manually and or mechanically tearing down/dismantling not exceeding two storey man-made structures, dispose debris off-site and make good works disturbed | | |
| C46a | timber /wooden and the like | m^2 | \$ 40.00 |
| C46b | concrete/ brick and the like | m^2 | \$ 80.00 |
| C47 | <u>Handrail consists top rail, bottom rail, intermediate rails and post including cutting and the like</u> | m | \$ 3.00 |
| C48 | Corridor | m | \$ 3.00 |
| C49 | Staircase | | |
| | <u>Hack or take off existing wall or floor finishes; clear debris off site</u> | | |
| C50 | Cement and sand screed and / or finishes to floor, skirting, landing, walls etc. and form keys, clean and wash to receive new finishes | m^2 | \$ 5.00 |
| C51 | Floor carpet and the like complete with any underlay and remove any adhesive | m^2 | \$ 2.50 |
| | <u>Remove existing fittings and fixtures; make good any works disturbed; clear debris off site</u> | | |
| C52 | Timber low level cabinet not exceeding 900mm high x 700mm deep | m | \$ 5.00 |
| C53 | Timber high level / wall hung cabinet not exceeding 900mm high x 700mm deep | m | \$ 5.00 |
| C54 | Timber wardrobe up to ceiling height | m | \$ 10.00 |
| C55 | <u>Remove existing fittings and fixtures; make good any works disturbed; clear debris off site</u> | m^2 | \$ 5.00 |
| C56 | Timber partition | m^2 | \$ 7.00 |
| C57 | Timber partition including framing | | |
| | <u>Removal of existing Water Tank</u> | | |
| C58 | Removal of existing HDPE water tank, including disconnect plumbing connection and disposal offsite. | Lot | \$ 100.00 |
| C59 | Removal of existing Metal water tank, including disconnect plumbing connection and disposal offsite. | Lot | \$ 100.00 |
| | <u>Scupper drain</u> | | |
| C60 | To hack and form shallow scupper drain 100-150mm wide including tiling if necessary and all necessary works | m | \$ 10.00 |
| D | EARTH WORKS & EXCAVATION | | |
| | <u>Imported Fill</u> | | |
| D1 | Selected imported dry earth consolidated in layers filling to make up levels | m^3 | \$ 5.00 |
| D2 | Backfilling around walls and foundations | m^3 | \$ 8.50 |
| D3 | Hardcore; filling to make up levels well consolidated over 300 mm thick | m^3 | \$ 50.00 |
| D4 | Hardcore; beds well consolidated | m^2 | \$ 6.50 |
| D5 | 100 mm thick (average); blinding with sand / concrete | m^2 | \$ 9.00 |
| D6 | 150 mm thick (average); blinding with sand / concrete | m^2 | \$ 9.00 |
| | <u>Sand consolidated in layers</u> | | |
| D7 | over 300 mm thick | m^3 | \$ 30.00 |
| D8 | 50 mm thick (average) | m^2 | \$ 2.50 |
| D9 | 75 mm thick (average) | m^2 | \$ 3.50 |

| Item | Description | Unit | Rate |
|------------|---|-------|-----------|
| D | EARTH WORKS & EXCAVATION | | |
| D9 | <u>Sand consolidated in layers</u> 50mm - 75mm Top Soil | m^2 | \$ 3.00 |
| D10 | Close turfing using cow grass laying to flat ground | m^2 | \$ 3.50 |
| D11 | <u>General excavation depth and dispose off-site</u> average 100mm deep | m^2 | \$ 1.50 |
| D12 | average 200mm deep | m^2 | \$ 2.00 |
| D13 | over 300mm deep | m^3 | \$ 6.00 |
| D14 | <u>Excavate for footing and likes; dispose off-site</u> Light-weight machinery | m^3 | \$ 9.00 |
| D15 | Hand excavation in restricted area | m^3 | \$ 20.00 |
| F | INSITU CONCRETE & FORMWORK | | |
| F1 | Supply and lay 50mm Grade 15 concrete blinding complete with formwork | m^2 | \$ 6.00 |
| | <u>Supply and lay concrete in structural works (column, beam, plinth, pile cap, step and staircase)</u> | | |
| F2 | Grade 30 | m^3 | \$ 190.00 |
| F3 | Grade 40 | m^3 | \$ 220.00 |
| F4 | <u>Supply and lay Grade 25 concrete in slab / apron / wall; trowelled smooth</u> 100mm thick | m^2 | \$ 19.00 |
| F5 | 150mm thick | m^2 | \$ 28.00 |
| F6 | 200 mm thick | m^2 | \$ 36.00 |
| F7 | 250 mm thick | m^2 | \$ 42.00 |

| Item | Description | Unit | Rate |
|------------|---|-------|----------|
| F | INSITU CONCRETE & FORMWORK | | |
| F8 | <u>Supply and lay Grade 30 concrete in slab / apron / wall; trowelled smooth</u> 100mm thick | m^2 | \$ 22.00 |
| F9 | 150mm thick | m^2 | \$ 30.00 |
| F10 | 200 mm thick | m^2 | \$ 38.00 |
| F11 | 250 mm thick | m^2 | \$ 44.00 |
| G | REINFORCEMENT | | |
| G1 | <u>Mild steel bar reinforcement to B.S 4449 to</u> Concrete slabs, walls, beams, columns etc. not exceeding 10mm Ø; links, stirrups, binders | kg | \$ 2.80 |
| G2 | 10 - 13mm Ø; links, stirrups, binders | kg | \$ 2.60 |
| G3 | <u>High tensile steel bar reinforcement to B.S 4449 to</u> Concrete slabs, walls, beams, columns etc. not exceeding 10mm Ø; general straight and bent bars | kg | \$ 2.70 |
| G4 | 10 - 13mm Ø; general straight and bent bars | kg | \$ 2.60 |
| G5 | 16 - 25mm Ø; general straight and bent bars | kg | \$ 2.75 |
| G6 | exceeding 25mm Ø; general straight and bent bars | kg | \$ 2.80 |
| G7 | <u>BRC steel fabric reinforcement to B.S 4483; well lapped at joints</u> Concrete slabs | m^2 | \$ 9.00 |
| G8 | BRC reference A8 | m^2 | \$ 8.00 |
| H | SUNDRIES | | |
| H1 | <u>Waterproofing applied to surfaces of concrete</u> Lay monolithic brush on type CPRU approved waterproofing membrane and finished with 25mm thick cement and sand screed | m^2 | \$ 15.00 |
| H2 | floor slabs | m^2 | \$ 15.00 |
| H3 | walls | m^2 | \$ 15.00 |
| H4 | flat roofs | m^2 | \$ 15.00 |
| H5 | sides and bottom of gutters | m^2 | \$ 16.00 |
| H6 | skirting not exceeding 150mm high overall | m^2 | \$ 2.50 |
| H6 | Lay 5mm thick torch on waterproof membrane without granule surface and with approved torch on primer and minimum overlap of 200mm and roll joints of 150mm | m^2 | \$ 20.00 |
| H7 | Lay 5mm thick torch on waterproof membrane without granule surface and with approved torch on primer and minimum overlap of 100mm and roll joints of 150mm | m^2 | \$ 20.00 |
| | <i>Warranty shall be issued by contractor, guaranteeing for the entire works including materials free from defects for a period of not less than five years)</i> | | |

| Item | Description | Unit | Rate |
|------------|---|----------------|-----------|
| H | SUNDRIES | | |
| | <u>Expansion joints</u> Flexcell bitumen impregnated fibre board, sealed at top with Thioflex One polysulphide rubber sealant | | |
| H8 | Walls and the like 12.5mm x 12.5mm | m | \$ 25.00 |
| H9 | 24mm x 24mm | m | \$ 28.00 |
| H10 | 30mm x 30mm | m | \$ 30.00 |
| H11 | Supply and install aluminium plate cover | m | \$ 12.00 |
| I | BRICKWORKS AND BLOCKWORKS | | |
| | <u>Brickwork in first grade common bricks to S.S 103 bedded and jointed in cement mortar (1:3 mix) reinforced with Lysaght expanded metal blockwork reinforcement every third course</u> | | |
| I1 | half brick thick 112mm thick | m ² | \$ 22.00 |
| I2 | one brick thick 225mm thick | m ² | \$ 42.00 |
| | <u>Plastering to smooth finish including groove and pattern design to S.O approval</u> | | |
| I3 | 20mm thick to brickwall | m ² | \$ 10.00 |
| I4 | 13mm thick to soffit of slab | m ² | \$ 10.00 |
| I5 | 13mm thick to column and beam | m ² | \$ 10.00 |
| | <u>Lightweight Block</u> | | |
| I6 | Supply and install CSR autoclaved lightweight concrete block laid using CSR ALC thin bed adhesive including control joint tie (FBI) to be installed on every third course across 10mm wide control joints as per manufacturer specification including plastering | m ² | \$ 55.00 |
| | <u>Glass Block</u> | | |
| | Solaris Glasstein' flemish or cross-ribbed or other equal and approved glass blocks in cement and sand mortar mixed with 'Dribond' or other equal and approved bonding additive; complete with channels, expansion strips, packing, panel reinforcing, panel anchors and other items for complete installation in accordance to the manufacturer's recommendation | | |
| I7 | Approx block size: 150 x 150 x 80mm thick | m ² | \$ 200.00 |
| I8 | Approx block size: 190 x 190 x 80mm thick | m ² | \$ 230.00 |
| J | ROOFING WORKS | | |
| | <u>Supply and lay Kliplok Colorbond 0.53mm Hi-Ten or equivalent roofing sheet including KL65 fixing clip and accessories of selected standard colour, including all sides and end laps (measured net - no allowance for laps)</u> | | |
| J1 | Sloping roof | m ² | \$ 60.00 |
| J2 | type 1 standard ridge cappings | m | \$ 14.00 |
| J3 | type 2 plain edge ridge cappings notched and turned down | m | \$ 14.00 |
| J4 | type 3 longitudinal fascia cappings | m | \$ 9.00 |
| J5 | type 4 transverse fascia cappings notched and turned down | m | \$ 9.00 |
| J6 | type 5 longitudinal parapet flashings | m | \$ 11.00 |
| J7 | type 5 transverse parapet flashings notched and turned down | m | \$ 9.00 |

| Item | Description | Unit | Rate |
|-------------|---|-------|----------|
| J | ROOFING WORKS (Cont'd) | | |
| J8 | <u>Supply and fix new</u> 50 x 50mm chicken wiremesh | m^2 | \$ 0.80 |
| J9 | BRC 3315 / 3316 to roof | m^2 | \$ 1.30 |
| J10 | 25mm fibreglass insulation | m^2 | \$ 1.30 |
| J11 | <u>Sisalation roofing paper</u> Single-sided | m^2 | \$ 0.90 |
| J12 | Double-sided | m^2 | \$ 1.30 |
| J13 | Standard Kliplok Colorbond fascia board or approved equivalent 450mm wide; lighweight framing system complete with accessories | m | \$ 14.00 |
| K | RAINWATER GOODS | | |
| | <u>UPVC rainwater downpipe with solvent welded joints complete with bends, branches; bracketed off walls with pipe clips and any necessary bends, branches, shoes etc.</u> | | |
| K1 | 100mm diameter | m | \$ 13.00 |
| K2 | 150mm diameter | m | \$ 20.00 |
| | Hack existing concrete or cut into metal gutter and cast into concrete including all necessary formwork | | |
| K3 | 100mm diameter | m | \$ 15.00 |
| K4 | 150mm diameter | m | \$ 22.00 |
| K5 | Refix and repair to loose / dented metal roof flashing / fascia including all accessories | m | \$ 3.00 |
| K6 | Repair to leaking ; metal roof ; UPVC gutter ; metal gutter with sealant to all bolt heads and leaking joints / gap and replacing /refixing existing ridge capping and tightening all roof connection and apply CPRU approved waterproofing coatings to surfaces of roof / internal of gutter | m^2 | \$ 50.00 |
| | Supply new gutter including all accessories and make good work disturbed. | | |
| | UPVC Gutter | m | \$ 20.00 |
| | Stainless Steel Gutter | m | \$ 40.00 |
| | Aluminium Gutter | m | \$ 40.00 |
| | Galvanised Gutter | m | \$ 25.00 |
| L | CARPENTRY WORKS | | |
| | <u>Removal of existing timber and replace with new sawn, treated Kapur Bukit structural timbers; including 2 coats of wood preservative</u> | | |
| | Roof trusses, pitched roofs, ceiling joists, partition frame, batten and the like | | |
| L1 | 50mm x 50mm (2" x 2") | m | \$ 2.50 |
| L2 | 50mm x 75mm (2" x 3") | m | \$ 3.50 |
| L3 | 50mm x 100mm (2" x 4") | m | \$ 5.00 |
| L4 | 50mm x 125mm (2" x 5") | m | \$ 6.00 |
| L5 | 50mm x 150mm (2" x 6") | m | \$ 7.00 |
| | <u>Removal of existing timber and replace with new sawn, treated Kapur Bukit structural timbers; including 2 coats of wood preservative</u> | | |
| | Roof boards, fillets, grounds, batten, skirting, framing and the like | | |
| L6 | 25mm x 25mm (1" x 1") | m | \$ 1.50 |
| L7 | 25mm x 50mm (1" x 2") | m | \$ 2.00 |
| L8 | 25mm x 75mm (1" x 3") | m | \$ 3.00 |
| L9 | 25mm x 100mm (1" x 4") | m | \$ 4.00 |
| L10 | 25mm x 150mm (1" x 6") | m | \$ 6.00 |
| L11 | 25mm x 200mm (1" x 8") | m | \$ 7.00 |
| L12 | 50mm x 200mm (2" x 8") | m | \$ 9.00 |
| L12A | 25mm x 250mm (1" x 10") | m | \$ 9.50 |

| Item | Description | Unit | Rate |
|----------|---|----------------|----------|
| L | CARPENTRY WORKS (Cont'd) | | |
| | <u>Removal of existing timber and replace with new wrought treated Kapur Bukit structural timbers; including 2 coats of wood preservative</u> | | |
| L13 | Roof boards, fillets, grounds, batten, skirting, framing and the like | m | \$ 1.00 |
| L14 | 25mm x 25mm (1" x 1") | m | \$ 1.50 |
| L15 | 25mm x 50mm (1" x 2") | m | \$ 2.50 |
| L16 | 25mm x 75mm (1" x 3") | m | \$ 3.50 |
| L17 | 25mm x 100mm (1" x 4") | m | \$ 5.50 |
| L18 | 25mm x 150mm (1" x 6") | m | \$ 6.50 |
| L19 | 25mm x 200mm (1" x 8") | m | \$ 8.50 |
| L19A | 50mm x 200mm (2" x 8") | m | \$ 17.00 |
| L19B | 75mm x 200mm (3" x 8") | m | \$ 23.00 |
| L19C | 125mm x 125mm (5" x 5") | m | \$ 28.00 |
| L19D | 150mm x 150mm (6" x 6") | m | \$ 38.00 |
| L19E | 200mm x 200mm (8" x 8") | m | \$ 46.00 |
| | <u>Removal of existing timber and replace with new wrought, treated Selangan Batu structural timbers; including 2 coats of wood preservative</u> | | |
| L20 | 25mm x 200mm (1" x 8") | m | \$ 15.00 |
| L21 | 50mm x 50mm (2" x 2") | m | \$ 2.50 |
| L22 | 50mm x 75mm (2" x 3") | m | \$ 3.50 |
| L23 | 50mm x 100mm (2" x 4") | m | \$ 7.50 |
| L24 | 50mm x 125mm (2" x 5") | m | \$ 8.00 |
| L25 | 50mm x 150mm (2" x 6") | m | \$ 9.50 |
| L26 | 100mm x 100mm (4" x 4") | m | \$ 15.00 |
| L27 | 150mm x 150mm (6" x 6") | m | \$ 20.00 |
| L27A | 200mm x 200mm (8" x 8") | m | \$ 38.00 |
| | Ceiling and Wall boarding | | |
| | <u>Supply and fix ceiling / wall to existing frame including taping and a 3mm coat of fine gypsum plaster at all joints</u> | | |
| L28 | 6mm thick Gypsum board | m ² | \$ 18.00 |
| L29 | 9mm thick Gypsum board | m ² | \$ 21.00 |
| L30 | 12mm thick Gypsum board | m ² | \$ 23.00 |
| L31 | 5mm thick Superflux ceiling | m ² | \$ 18.00 |
| L32 | 5mm thick Duravent ceiling | m ² | \$ 20.00 |
| | <u>Supply and fix ceiling / wall including GI framing system complete with all necessary runners, cross runners, wall angles, rod hangers and hanging wire taping and a 3mm coat of fine gypsum plaster at all joints</u> | | |
| L33 | 6mm thick Gypsum board | m ² | \$ 23.00 |
| L34 | 9mm thick Gypsum board | m ² | \$ 26.00 |
| L35 | 12mm thick Gypsum board | m ² | \$ 28.00 |
| L36 | 5mm thick Superflux ceiling | m ² | \$ 23.00 |
| L37 | 5mm thick Duravent ceiling | m ² | \$ 25.00 |
| L37a | Refix and repair to loose/sagged ceiling including nailing and all necessary works to match existing and make good works disturbed. | m ² | \$ 5.00 |
| L38 | Construction of timber partition consists of 50 x 100mm timber framing at 1200mm centre both way and lined both faces with 12mm plywood to BS1088 | m ² | \$ 35.00 |
| L39 | Construction of gypsum board partition consists of GI framing and lined both faces with 12mm gypsum board including filling all nail holes smooth, taping and plastering all joining | m ² | \$ 28.00 |
| L40 | 9mm thick Masterclad for external wall | m ² | \$ 38.00 |
| | <u>Supply and fix plaster glass cornice</u> | | |
| L41 | 50mm thick | m | \$ 8.00 |
| L42 | 100mm thick | m | \$ 13.00 |

| Item | Description | Unit | Rate |
|-------------|---|-------|-----------|
| M | JOINERY | | |
| | <u>Parquet flooring</u> Teak mosaic parquet flooring to B.S 4050 fixed with bitumen based floor adhesive to cement and sand screed finished to receive polish | | |
| M1 | Floor, tread, risers and the like | m^2 | \$ 50.00 |
| | <u>Remove existing and replace finishings in wrought treated Meranti</u> floor board with T & G | | |
| M2 | 25mm x 75mm (1" x 3") | m^2 | \$ 23.00 |
| M3 | 25mm x 100mm (1" x 4") | m^2 | \$ 25.00 |
| M4 | 25mm x 150mm (1" x 6") | m^2 | \$ 27.00 |
| | <u>Doors</u> Solid panelled doors generally constructed in red meranti; complete with approved painting and accessories such as framing, jambs, hinges and the likes | | |
| M5 | Single leaf | no | \$ 150.00 |
| M6 | Single leaf with size of less than 900mm x 2100mm | no | \$ 120.00 |
| M7 | Double equal leaf | no | \$ 300.00 |
| M8 | Double unequal leaf | no | \$ 230.00 |
| | <u>Doors</u> Solid panelled doors generally constructed in nyatoh; complete with approved painting and accessories such as framing, jambs, hinges and the likes | | |
| M9 | Single leaf | no | \$ 250.00 |
| M10 | Double equal leaf | no | \$ 500.00 |
| M11 | Double unequal leaf | no | \$ 370.00 |
| | <u>Doors</u> Solid panelled doors generally constructed in double plywood; complete with approved for painting/formica covering and accessories such as framing, jambs, hinges and the likes | | |
| M12 | Single leaf | no | \$ 120.00 |
| M13 | Double equal leaf | no | \$ 240.00 |
| M14 | Double unequal leaf | no | \$ 200.00 |
| | <u>Doors</u> Flush doors generally constructed in teak veneered plywood; complete with approved painting and accessories such as framing, jambs, hinges and the likes | | |
| M15 | Single leaf | no | \$ 180.00 |
| | <u>UPVC doors</u> complete with framing, jambs, hinges and any necessary fittings | | |
| M16 | Plain | no | \$ 140.00 |
| M17 | Plain with size of less than 900mm x 2100mm | no | \$ 120.00 |
| M18 | Plain with ventilated louvres | no | \$ 150.00 |
| M19 | Decorative | no | \$ 160.00 |
| | <u>Doors</u> UPVC doors only complete with hinges | | |
| M20 | Plain | no | \$ 110.00 |
| M21 | Plain with size less than 900mm x 2100mm | no | \$ 95.00 |
| M22 | Plain with ventilated louvres | no | \$ 120.00 |
| M23 | Decorative | no | \$ 130.00 |
| M24 | UPVC jambs | no | \$ 50.00 |
| M24a | Refix and repair to loose/tilted/misaligned door panel including frame/ jamb, accessories/fittings and make good works disturbed. | no | \$ 3.00 |

| Item | Description | Unit | Rate |
|-------------------------|---|----------------|-----------|
| M | | | |
| JOINERY (Cont'd) | | | |
| | <u>Remove existing and replace with new finishings in wrought treated kapur bukit</u> | | |
| | Door frames, window frames and the like | | |
| M25 | 38mm x 125mm | m | \$ 9.00 |
| M26 | 38mm x 150mm | m | \$ 10.00 |
| M27 | 38mm x 200mm | m | \$ 13.00 |
| M28 | 50mm x 125mm | m | \$ 10.00 |
| M29 | 50mm x 150mm | m | \$ 12.00 |
| | <u>Remove existing and replace with new finishings in wrought treated red meranti</u> | | |
| | Door frames, window frames and the like | | |
| M30 | 50mm x 100mm | m | \$ 6.00 |
| M31 | 50mm x 150mm | m | \$ 14.50 |
| | <u>Formica 0.7mm thick laminated plastic sheet; fixing with a contact adhesive; color as per selected standard color</u> | | |
| M32 | Timber surfaces | m ² | \$ 41.00 |
| | <u>Maica 0.88mm thick high pressure laminate sheet; fixing with a contact adhesive; colour as per selected standard colour</u> | | |
| M33 | Timber surfaces | m ² | \$ 24.00 |
| | Fittings | | |
| | <u>Construct new fittings and fixtures generally in wrought treated red meranti including assembling, fixing in position, plugging and screwing to brickworks or concrete, painting, decorating and ironmongery</u> | | |
| M34 | counter not exceeding 950mm high x 900mm width | m | \$ 235.00 |
| M35 | low level cabinet not exceeding 750mm high x 600mm width | m | \$ 210.00 |
| M36 | wall hung cabinet not exceeding 600mm high x 600mm width | m | \$ 195.00 |
| M37 | benches not exceeding 500mm high x 500mm width | m | \$ 185.00 |
| M38 | cabinet up to ceiling height with a width of 600mm and approx height of 3 m | m | \$ 550.00 |
| | <u>Construct new fittings and fixtures generally in wrought treated nyatoh including assembling, fixing in position, plugging and screwing to brickworks or concrete, painting, decorating and ironmongery</u> | | |
| M39 | counter not exceeding 950mm high x 900mm width | m | \$ 285.00 |
| M40 | low level cabinet not exceeding 750mm high x 600mm width | m | \$ 265.00 |
| M41 | wall hung cabinet not exceeding 600mm high x 600mm width | m | \$ 240.00 |
| M42 | benches not exceeding 500mm high x 500mm width | m | \$ 230.00 |
| M43 | cabinet up to ceiling height with a width of 600mm and approx height of 3 m | m | \$ 700.00 |
| | Refix and repair to counter/cabinet/benches or to replace fixtures/fittings with new to match existing, dispose debris off-site and make good works disturbed. | | |
| M44 | frames | m | \$ 1.00 |
| M45 | surfaces/layers | m ² | \$ 2.00 |
| M46 | door | m ² | \$ 2.00 |
| M47 | adjust/ tighten misaligned/loose knob/ hinges/ door/drawer | lot | \$ 2.00 |
| N | IRON MONGERY | | |
| | Supply and fix 100mm Heavy duty steel butt hinges to B.S 1227 fixed to timber with matching screws; | | |
| N1 | stainless steel finish | no | \$ 6.00 |
| N2 | brass finish | no | \$ 2.00 |
| N3 | Supply and fix Union 8094 CH indicating bolt or equivalent approved | no | \$ 30.00 |
| N4 | Supply and fix Concept entrance knobset PSS 70mm (3000PSS) or approved equivalent | no | \$ 48.00 |

| Item | Description | Unit | Rate |
|------------|--|----------------|-----------|
| N | IRON MONGERY (Cont'd) | | |
| N5 | Supply and fix Union Gower Mortice lockset CH (682-13-241) or approved equivalent | no | \$ 130.00 |
| N6 | Supply and fix 90mm barrel bolt | no | \$ 20.00 |
| N7 | Supply and fix 240mm barrel bolt | no | \$ 25.00 |
| N8 | Supply and fix door closer | no | \$ 140.00 |
| N9 | Supply and fix 2.5" door latch | no | \$ 4.50 |
| | <u>Architectural Ironmongery fixed to timber or metal with matching screws</u> | | |
| N10 | Push plates; kicking plates with holes for lockset 300mm x 200mm x 2mm | no | \$ 30.00 |
| N11 | 900mm x 200mm x 2mm | no | \$ 75.00 |
| | Sundry Ironmongery | | |
| N12 | Union 7400' Door stops or approved equivalent; fixing to walls or floors | no | \$ 11.00 |
| N13 | Rubber Door stops; fixing to walls or floors | no | \$ 2.50 |
| N14 | Anodised aluminium crescent lock for sliding window | no | \$ 3.00 |
| N15 | Anodised aluminium lever lock for window | no | \$ 5.00 |
| N16 | Mild steel dowels; letting into foot of timber frame / metal frame and concrete floor | no | \$ 1.20 |
| O | METAL WORKS | | |
| | <u>Aluminium alloy windows, doors and screens generally to B.S.4873 complete with all necessary frame, neoprene gaskets, glazing, glazing beads, fixing devices and sealed all round</u> | | |
| O1 | Anodized aluminium door complete with frame, hinges, lockset and any necessary accessories | m ² | \$ 180.00 |
| O2 | Anodized aluminium door with 6mm thick half glass complete with frame, hinges, lockset and any necessary accessories | m ² | \$ 135.00 |
| O3 | Anodized aluminium louvers door complete with frame, hinges, lockset and any necessary accessories | m ² | \$ 190.00 |
| O4 | Fabricate and install clear and/or tinted glass sliding door with frame including glazing, glazing bead and neoprene gasket c/w lockset and fastener | m ² | \$ 90.00 |
| O5 | Fabricate and install swing door glazed with 6mm clear and/or tinted glass including glazing bead and neoprene gasket c/w frame, lockset and fastener | m ² | \$ 90.00 |
| O6 | Powder coated aluminium door glazed with 6mm clear glass c/w glazing beads including gaskets, waterproof cement grout all in accordance with manufacturer's detail | m ² | \$ 190.00 |
| O6a | Repair and fix loose/tilted/misaligned sliding window and door frames by joining or fastening with rivets including all fittings/ accessories and make good work disturbed. | nos | \$ 1.00 |

| Item | Description | Unit | Rate |
|----------|---|-------|-------------|
| O | METAL WORKS (Cont'd) | | |
| O7 | Anodized aluminium alloy with frame; glazed with 5mm clear and/or light tinted glass, neoprene gasket and all accessories | m^2 | \$ 75.00 |
| O8 | Sliding window | m^2 | \$ 75.00 |
| O9 | Fixed window | m^2 | \$ 85.00 |
| O10 | Top hung | m^2 | \$ 85.00 |
| | Casement window | | |
| | powder coated aluminium extruded frame infilled with 6mm tinted glass c/w glazing beads including gaskets, waterproof cement grout all in accordance with manufacturer's detail | | |
| O11 | Sliding Window | m^2 | \$ 145.00 |
| O12 | Fixed Window | m^2 | \$ 145.00 |
| O13 | Top Hung | m^2 | \$ 175.00 |
| O14 | Casement Window | m^2 | \$ 175.00 |
| | Powder coated aluminium extruded frame infilled with 6mm tinted glass c/w glazing beads including gaskets, waterproof cement grout all in accordance with manufacturer's detail | | |
| O15 | Fabricate and install fixed new anodised aluminium louver panel with 150mm wide fixed louvers every 100mm centres complete with framing | m^2 | \$ 190.00 |
| O16 | Powder coated aluminium sun breaker including frame and other accessories | m^2 | \$ 198.00 |
| O17 | Fabricate and install Amplimesh aluminium security grille including framing | m^2 | \$ 161.00 |
| O18 | Fabricate and install sliding security grille to door consists of 25mm x 50mm RHS frame infilled with 9mm round MS bar c/w frame, hinges, lockets etc | m^2 | \$ 72.00 |
| O19 | Fabricate and install stainless steel sliding gate consists of 25mm x 50mm RHS frame infilled with 25mm SHS c/w frame, hinges, lockets etc | m^2 | \$ 85.00 |
| O20 | Fabricate and fix new aluminium roller shutter including electric motor with wiring and control panel | m^2 | \$ 450.00 |
| O21 | Fabricate and fix new aluminium roller shutter including connection to existing electric motor | m^2 | \$ 300.00 |
| O22 | Fabricate and fix new aluminium roller shutter (manual mechanism type) including all other accessories | m^2 | \$ 300.00 |
| O23 | Fabricate and fix new stainless steel flag pole 8000mm high; consists of 75mm diameter lower-half, 50mm diameter upper-half, 75mm diameter ball, tiltable bracket, pulley and all accessories | no | \$ 1,500.00 |
| | Metal Structures | | |
| | <u>Removal of existing metal and replace with new mild steel columns, posts, trusses, purlins, rails, braces, ballusters and the like; base plate, bending, welded joints and all fixing accessories; provision of necessary supports</u> | | |
| O24 | Square hollow section 25mm x 25mm | m | \$ 4.00 |
| O25 | 50mm x 50mm | m | \$ 7.00 |
| O26 | 75mm x 75mm | m | \$ 10.00 |
| O27 | 100mm x 100mm | m | \$ 15.00 |

| Item | Description | Unit | Rate |
|------|--|------|----------|
| O | METAL WORKS (Cont'd) | | |
| | Rectangular hollow section | | |
| O28 | 50mm x 75mm | m | \$ 9.00 |
| O29 | 50mm x 100mm | m | \$ 12.00 |
| O30 | 75mm x 100mm | m | \$ 13.00 |
| O31 | 75mm x 125mm | m | \$ 16.00 |
| O32 | 100mm x 150mm | m | \$ 22.00 |
| | Circular hollow section | | |
| O33 | 18mm Ø | m | \$ 4.00 |
| O34 | 25mm Ø | m | \$ 6.00 |
| O35 | 50mm Ø | m | \$ 11.00 |
| O36 | 100mm Ø | m | \$ 20.00 |
| | <u>Removal of existing metal and replace with new galvanized iron columns, posts, trusses, purlins, rails, braces, ballusters and the like; base plate, bending, welded joints and all fixing accessories; provision of necessary supports</u> | | |
| | Circular hollow section | | |
| O37 | 18mm Ø | m | \$ 6.00 |
| O38 | 25mm Ø | m | \$ 9.00 |
| O39 | 50mm Ø | m | \$ 14.00 |
| O40 | 75mm Ø | m | \$ 20.00 |
| O41 | 100mm Ø | m | \$ 23.00 |
| | <u>Removal of existing metal and replace with new stainless steel columns, posts, trusses, purlins, rails, braces, ballusters and the like; base plate, bending, welded joints and all fixing accessories; provision of necessary supports</u> | | |
| | Circular hollow section | | |
| O42 | 18mm Ø | m | \$ 19.00 |
| O43 | 25mm Ø | m | \$ 27.00 |
| O44 | 50mm Ø | m | \$ 33.00 |
| O45 | 75mm Ø | m | \$ 38.00 |
| O46 | 100mm Ø | m | \$ 48.00 |
| | <u>Proprietary gratings, covers and frames</u> | | |
| | Fabricate and fix MS drain grating consists of 50 x 50mm MS angle framing infilled with 9mm MS bar at 38mm centre painted | | |
| O47 | not exceeding 200mm wide | m | \$ 20.00 |
| O48 | not exceeding 250mm wide | m | \$ 25.00 |
| O49 | not exceeding 300mm wide | m | \$ 30.00 |
| O50 | not exceeding 330mm wide | m | \$ 33.00 |
| | Fabricate and fix heavy duty MS grating with 75 x 75mm MS angle framing infilled with 12mm high tensile bar at 40mm centre painted | | |
| O51 | not exceeding 400mm wide | m | \$ 40.00 |
| O52 | not exceeding 450mm wide | m | \$ 45.00 |
| O53 | not exceeding 500mm wide | m | \$ 50.00 |
| O54 | exceeding 500mm wide | m | \$ 60.00 |

| Item | Description | Unit | Rate |
|-------------|---|-------|-----------|
| O | METAL WORKS (Cont'd) <u>Fabricate and install MS security grille to window consists of 25mm x 25mm SHS frame infilled with</u> | | |
| O55 | 9mm round bar in diamond pattern | m^2 | \$ 85.00 |
| O56 | 20mm x 4mm flat in brick pattern | m^2 | \$ 85.00 |
| O57 | Fabricate and install swing MS security grille to door consists of 25mm x 50mm RHS frame infilled with 9mm round MS bar c/w frame, hinges, lockets etc | m^2 | \$ 95.00 |
| O58 | Fabricate and install MS collapsible gate including running track, lockset, accessories | m^2 | \$ 130.00 |
| O58a | Repair and fix loose/tilted/misaligned sliding security grille including running track by adjusting or tightening existing accessories and fittings or to replace with new and make good work disturbed. <u>Fabricate and fix new metal handrail 1100mm high; complete with welded joints, plates, covering plates, bolts, cast into concrete; make good works disturbed</u> Mild steel handrail consists of 75mm x 50mm top rail and bottom rail and post at 2000mm centre with 9mm x 9mm solid MS baluster at 100mm c/c | lot | \$ 10.00 |
| O59 | Corridor | m | \$ 60.00 |
| O60 | Staircase | m | \$ 62.00 |
| O61 | Stainless steel (Grade 316) handrail consists of 50mm top rail and post at 2000mm centres and 38mm bottom rail infilled with 18mm baluster at 100mm centre | m | \$ 140.00 |
| O62 | Corridor | m | \$ 142.00 |
| O63 | Staircase | m | \$ 80.00 |
| O64 | Galvanized iron handrail consists of 50mm x 25mm top rail and bottom rail and post at 2000mm centre with 9mm x 9mm solid MS baluster at 100mm c/c | m | \$ 82.00 |
| O65 | Staircase | no | \$ 20.00 |
| P | WALL AND FLOOR FINISHES | | |
| | INSITU FINISHES | | |
| P1 | Cement and sand screed (1:3 mix) to receive finishes 13mm thick to walls | m^2 | \$ 6.50 |
| P2 | 25mm thick to concrete floor, walls etc; laid to fall if required | m^2 | \$ 8.00 |
| P3 | 38mm thick to concrete floor laid to fall | m^2 | \$ 11.00 |
| | WALL TILES | | |
| P4 | Supply and lay ceramic/homogenous wall tile 5mm thick of selected standard colour, laid with belcem cement additive or any equivalent approved 200mm x 200mm | m^2 | \$ 30.00 |
| P5 | 200mm x 300mm | m^2 | \$ 32.00 |
| P6 | 300mm x 300mm | m^2 | \$ 34.00 |
| P7 | 300mm x 600mm | m^2 | \$ 36.00 |
| P8 | Supply and lay ceramic/homogenous border wall tile 5mm thick of selected standard colour, laid with belcem cement additive or any equivalent approved | m | \$ 25.00 |
| | WALL FINISHES | | |
| P8A | Formica Panel 0.6mm thk Gloss finish supply and install c/w all other necessary works required. | m^2 | \$ 13.50 |
| P8B | Formica Panel 0.7mm thk Mat finnish supply and install c/w all other necessary works required. | m^2 | \$ 23.00 |

| Item | Description | Unit | Rate |
|------|---|----------------|----------|
| P | WALL AND FLOOR FINISHES (Cont'd) | | |
| | FLOOR TILES | | |
| | Supply and lay non-slip ceramic/homogenous floor tile of selected standard colour, bedded on Nicobond CT300 ceramic tile adhesive on cement and sand screed (measured separately) | | |
| P9 | 200mm x 200mm x 8mm thk | m ² | \$ 30.00 |
| P10 | 200mm x 300mm x 8mm thk | m ² | \$ 32.00 |
| P11 | 300mm x 300mm x 8mm thk | m ² | \$ 34.00 |
| P12 | 300mm x 600mm x 8mm thk | m ² | \$ 38.00 |
| P13 | 600mm x 600mm x 8mm thk | m ² | \$ 45.00 |
| P15 | To prepare floor finish with T & G laminated floor complete with necessary joining works including all other necessary works required as instructed by S.O. | m ² | \$ 40.00 |
| P15A | To supply and install 12mm thk fiber cement board for flooring including painting | m ² | \$ 36.00 |
| P15B | To supply and install 9mm thk fiber cement board for flooring including painting | m ³ | \$ 28.00 |
| P15C | To supply and install 6mm thk fiber cement board for flooring including painting | m ⁴ | \$ 22.00 |
| P16 | Supply and lay Covacrete or any technically approved equivalent which consist of preparation of existing surface, priming the surface, application of base coat (Lokcote CC & Resurfacing Powder) of estimated 3-5mm thickness, placing of the selected pattern stencil design, application of the top coat (selected colour) of recommended thickness (2-4mm), removal of stencil or tape, and finished with lustreseal sealer all done in accordance to manufacturer's specification | m ² | \$ 32.00 |
| | FLOOR TILES | | |
| P17 | Ceramic/Homogeneous skirting tiles laid and jointed | m | \$ 4.00 |
| P18 | Ceramic/Homogeneous nosing tiles in edging or steps laid and jointed | m | \$ 4.00 |
| P19 | Labour and chemical to clean floor and wall tile to S.O's satisfaction | m ² | \$ 2.00 |
| | CARPET FINISHES | | |
| | Supply and lay loop-pile carpet with mass not less than 26oz/yd ² laid on prepared screed using appropriate adhesive, joint carefully, matching edging c/w aluminium edging strip to door area | | |
| P20 | 26oz/yd ² | m ² | \$ 30.00 |
| P21 | 30 oz/yd ² | m ² | \$ 38.00 |
| P22 | 36 oz/yd ² | m ² | \$ 44.00 |
| P23 | 5mm rubber underlay as above | m ² | \$ 8.00 |
| | SLAB FINISHES | | |
| P24 | Labour for carefully taking out existing loose or sunken paver block and stack aside for re-use | m ² | \$ 5.00 |
| P25 | Select from stack and re-use existing paver block including jointing and compacting using sand | m ² | \$ 10.00 |

| Item | Description | Unit | Rate |
|------|--|----------------|-----------|
| P | WALL AND FLOOR FINISHES (Cont'd) | | |
| P28 | Damp proof courses; BS743 type 5B; well lapped horizontal; over 300mm wide | m ² | \$ 23.00 |
| P29 | horizontal; 102.5mm wide | m | \$ 2.00 |
| P30 | horizontal; 215mm wide | m | \$ 4.00 |
| | EXTERNAL WALL CLADDING | | |
| P31 | Supply and fix into place new Alucore type of external cladding board or any technically approved equivalent including C-channel lightweight steel frames, corrosion resistant screw, metal angle, sealant at all joints and install as per manufacturer's recommendations | m ² | \$ 200.00 |
| P32 | Shera Floor Finish or other approve equivalent Supply and install Sherafloor plank complete with accessories. 16MM Thk | m ² | \$ 25.00 |
| | 25MM Thk | m ² | \$ 30.00 |
| | 30MM Thk | m ² | \$ 36.00 |
| P33 | Supply and install Shera skirt complete with accessories. 300MM (w) x 12MM (Thk) | m | \$ 7.00 |
| P34 | STAIR Supply and install Shera Stair complete with accessories. | | |
| a | Stair Tread 35mm Thk | m ² | \$ 123.00 |
| b | Stair Riser 16mm Thk | m ² | \$ 63.00 |
| P35 | External wall Supply and install Shera Plank complete with accessories. | | |
| a | 6mm Thk | m ² | \$ 12.00 |
| b | 8mm Thk | m ² | \$ 16.00 |
| c | 10mm Thk | m ² | \$ 20.00 |
| P36 | Supply and install Shera Eaves 16mm Beveled Edge Uncolor complete with accessories. | m | \$ 10.00 |
| Q | GLAZING Supply and fix glazing complete with fittings/ accessories and all necessary works | | |
| | <u>Clear sheet glass to B.S 952</u> | | |
| Q1 | 6mm thick Glaze to timber with timber beads | m ² | \$ 45.00 |
| Q2 | 6mm thick Glaze to metal with neoprene gaskets | m ² | \$ 39.00 |
| | <u>Light tinted sheet glass to B.S 952</u> | | |
| Q3 | 6mm thick Glaze to timber with timber beads | m ² | \$ 47.00 |
| Q4 | 6mm thick Glaze to metal with neoprene gaskets | m ² | \$ 41.00 |
| | <u>Opaque sheet glass to B.S 952</u> | | |
| Q5 | 6mm thick Glaze to timber with timber beads | m ² | \$ 49.00 |
| Q6 | 6mm thick Glaze to metal with neoprene gaskets | m ² | \$ 43.00 |
| | <u>Reinforced sheet glass to B.S 952</u> | | |
| Q7 | 6mm thick Glaze to timber with timber beads | m ² | \$ 55.00 |
| Q8 | 6mm thick Glaze to metal with neoprene gaskets | m ² | \$ 49.00 |

| Item | Description | Unit | Rate |
|------------|---|-------|----------|
| R | CURTAINS & BLINDS | | |
| R1 | Vertical blinds with 100mm wide PVC vanes of selected standard colour complete with all control gear and fixing to timber or concrete soffits to suit opening size | m^2 | \$ 45.00 |
| R2 | PVC Vinyl 'Blackout' Curtain of selected standard colour complete with all control gear to suit opening size | m^2 | \$ 25.00 |
| R3 | To supply and install Aluminium Mosquito Net to replace existing net. | m^2 | \$ 10.00 |
| R4 | Roller Blind To supply and install new roller blind complete with Roller window horizontal blind components and fixing to timber or concrete soffits to suit opening size; a Non blackout blinds. b Blackout blinds. c Zebra Blackout Blinds. | m^2 | \$ 35.00 |
| S | PAINTING WORKS | | |
| S1 | Prepare existing surfaces by cleaning and removing all dirt and loose particles, seal up any cracks of joints in cement, remove rust, millscals, oil/grease and contaminants for metal, repair and fill wood surfaces with appropriate wood filler and sand down with abrasive paper to smooth surfaces Concrete, cement board, gypsum, wood, metal, aluminium surfaces and the like | m^2 | \$ 2.50 |
| S2 | One coat NIPPON Vinilex 5101 or Bodelac 9000 (primer for exterior/plastered) | m^2 | \$ 1.30 |
| S3 | One coat NIPPON Weatherbond (finishing for exterior/plastered) | m^2 | \$ 2.80 |
| S4 | One coat NIPPON Bodelac 9000 (undercoat for wood & metal) | m^2 | \$ 2.80 |
| S5 | One coat NIPPON Bodelac 9000 (finishing for wood & metal) | m^2 | \$ 2.80 |
| S6 | One coat NIPPON Timberlac (finishing for wood) | m^2 | \$ 3.00 |
| S7 | One coat NIPPON Vinilex 5170 (primer for interior/gypsum/plastered) | m^2 | \$ 1.40 |
| S8 | One coat NIPPON Vinilex 5000 (low odour finishing for interior/gypsum/plastered) | m^2 | \$ 2.80 |
| S9 | One coat NIPPON Vinyl Silk (finishing for interior/gypsum/plastered) | m^2 | \$ 3.00 |
| S10 | One coat NIPPON 3-in-1 Medifresh (finishing for interior/gypsum/plastered) | m^2 | \$ 3.50 |
| | *Or Approved Equivalent Warranty shall be issued by contractor, guaranteeing for the entire works including materials free from defects for a period of not less than five years | | |

| Item | Description | Unit | Rate |
|------------|--|----------------|-------------|
| T | SIGNAGE | | |
| T1 | Demolish existing metal signage; clear debris off site | no | \$ 50.00 |
| T2 | Demolish existing concrete structure/brickwall signange; clear debris offsite 1800mm x 1200mm x 5mm Perspex base with coloured background, fiberglass at both sides and stainless steel channel frame; machine polished; 2no. 75mm Ø x 2200mm high stainless steel tube posts with 75mm Ø stainless steel round balls complete with stainless steel bolts, washer and nuts; 200mm x 200mm x 300mm RC footing; logo (standard Government Primary School logo), self adhesive lettering, 140mm high Arabic font (dark blue) and 75mm high Malay font (black); all as per S.O approval | no | \$ 200.00 |
| T3 | Acrylic | no | \$ 3,200.00 |
| T4 | Embossed Stainless Steel | no | \$ 3,800.00 |
| U | FENCING WORKS | | |
| U1 | Supply and fix SWG 8 PVC coated fencing mesh including 3 No straining wire, clips and other accessories | m ² | \$ 14.00 |
| U2 | Supply and fix SWG 12 galvanized fencing mesh including 3 No straining wire, clips and other accessories | m ² | \$ 13.00 |
| U3 | Supply and fix 50mm x 1800 long Lionmesh hot dip galvanized fencing post with anti-climb clank top with 3 no eye for barbed wire | no | \$ 35.00 |
| U4 | Supply and fix 50mm x 1800 long Lionmesh hot dip galvanized fencing post with anti-climb clank top with 4 no eye for barbed wire | no | \$ 36.00 |
| U5 | Supply and fix 50mm x 2500 long Lionmesh hot dip galvanized fencing post with anti-climb clank top with 3 no eye for barbed wire | no | \$ 40.00 |
| U6 | Supply and fix 50mm x 2500 long Lionmesh hot dip galvanized fencing post with anti-climb clank top with 4 no eye for barbed wire | no | \$ 41.00 |
| U7 | Supply and fix Lionmesh or equivalent fencing panel overall size 2400mm long x 1800mm high with 6.5mm bar and fixing clip complete | no | \$ 110.00 |
| U8 | Supply and fix double leaf swing gate size 6400mm wide x 1800mm high including 100mm GI post complete | Set | \$ 2,100.00 |
| U9 | Supply and fix 1000mm wide x 1800mm high pedestrian gate including 100mm GI post complete | no | \$ 350.00 |
| U10 | Fabricate and install MS double-leaf gate consists of 75 x 75 x 6mm MS angle frame and cross bracing infilled with SWG 8 gauge GI fencing mesh including 100mm diameter post overall size | Set | \$ 1,900.00 |
| U11 | Fabricate and install MS double-leaf gate consists of 75 x 75 x 6mm MS angle frame and cross bracing infilled with SWG 12 gauge GI fencing mesh including 100mm diameter post overall size | Set | \$ 2,200.00 |
| U12 | Fabricate and install MS 1000mm wide x 1800mm high pedestrian gate including 100mm diameter post | no | \$ 300.00 |
| U13 | Supply and fix galvanised mild steel barbed wire | m | \$ 3.00 |
| U14 | Refix and repair to loose/disjointed/misaligned/ tilted fencing mesh/ panel/ post by welding or tightening existing accessories and fittings or to replace with new and make good work disturbed. | no | \$ 10.00 |

| Item | Description | Unit | Rate |
|------|---|------|----------|
| V | PLUMBING WORKS | | |
| | UPVC SOIL AND WASTE PIPES | | |
| | Laying in the ground, including all necessary excavation average 300mm deep and hacking out concrete floor tile/ slab where necessary | | |
| V1 | 32mm diameter UPVC BS.4514 solvent welded joints | m | \$ 20.00 |
| V2 | 50mm diameter UPVC BS.4514 solvent welded joints | m | \$ 25.00 |
| | Laying in the ground, including all necessary excavation average 450mm deep and hacking out concrete floor tile/ slab where necessary | | |
| V3 | 75mm diameter UPVC BS.4514 solvent welded joints | m | \$ 28.00 |
| V4 | 100mm diameter UPVC BS.4514 with ring seal or solvent welded joints | m | \$ 35.00 |
| | UPVC soil, waste and vent pipes to BS 4514, solvent welded joints including holder bats/hangers. | | |
| V5 | 32mm diameter pipes | m | \$ 6.00 |
| V6 | 50mm diameter pipes | m | \$ 8.00 |
| V7 | 75mm diameter pipes | m | \$ 12.00 |
| V8 | 100mm diameter pipes | m | \$ 15.00 |
| | Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbows, tees, junctions and other similar pipe fittings complete with access/inspection openings | | |
| V9 | 75mm diameter UPVC BS.4514 solvent welded joints | No | \$ 5.00 |
| V10 | 100mm diameter UPVC BS.4514 solvent welded joints | No | \$ 7.00 |
| | COLD WATER INSTALLATION | | |
| | <u>Remove and replace with new pipe cast/chased into concrete or brickwall or bracketed off walls or soffits with pipe clips</u> | | |
| | Stainless Steel Pipes to BS 4127 fixed with stainless steel screwed and socketed joints fixing with and including suitable pipe clips as necessary. | | |
| V11 | 15mm diameter | m | \$ 14.00 |
| V12 | 22mm diameter | m | \$ 19.00 |
| V13 | 28mm diameter | m | \$ 25.00 |
| V14 | 35mm diameter | m | \$ 35.00 |
| V15 | 54mm diameter | m | \$ 50.00 |
| | <u>Unplasticised PVC pipes: BS 3505 Class "E" solvent welded joints and fittings to BS 4346</u> | | |
| | Pipe cast/chased into concrete or brickwall or bracketed off walls or soffits with pipe clips | | |
| V16 | 12mm diameter pipes | m | \$ 7.00 |
| V17 | 20mm diameter pipes | m | \$ 9.00 |
| V18 | 25mm diameter pipes | m | \$ 12.00 |
| V19 | 32mm diameter pipes | m | \$ 16.00 |
| V20 | 40mm diameter pipes | m | \$ 20.00 |
| V21 | 50mm diameter pipes | m | \$ 25.00 |
| | Remove existing pipe and replace with new UPVC pipe including fittings to BS 4514 to wall / floor | | |
| V22 | 32mm diameter main soil, waste and vent pipes | m | \$ 6.00 |
| V23 | 50mm diameter soil, waste, vent and overflow pipes | m | \$ 8.00 |
| V24 | 75mm diameter soil, waste, vent and overflow pipes | m | \$ 12.00 |
| V25 | 100mm diameter soil, waste, vent and overflow pipes | m | \$ 18.00 |
| V26 | ≥150mm diameter overflow pipes | m | \$ 22.00 |

| Item | Description | Unit | Rate |
|------------|--|------|-----------|
| W | PLUMBING WORKS (Cont'd) | | |
| | COLD WATER INSTALLATION | | |
| | <u>Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:</u> | | |
| | Copper/stainless steel compression joints | | |
| W27 | 15mm diameter | No | \$ 20.00 |
| W28 | 22mm diameter | No | \$ 24.00 |
| W29 | 28mm diameter | No | \$ 30.00 |
| W30 | ≥50mm diameter pipes | No | \$ 65.00 |
| | <u>Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:</u> | | |
| | brass compression joints | | |
| W31 | 15mm diameter | No | \$ 14.00 |
| W32 | 22mm diameter | No | \$ 16.00 |
| W33 | 28mm diameter | No | \$ 20.00 |
| W34 | ≥50mm diameter pipes | No | \$ 55.00 |
| | <u>Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:</u> | | |
| | upvc compression joints | | |
| W35 | 15mm diameter | No | \$ 10.00 |
| W36 | 20mm diameter | No | \$ 12.00 |
| W37 | 25mm diameter | No | \$ 15.00 |
| W38 | ≥50mm diameter pipes | No | \$ 45.00 |
| | <u>MDPE pipe to ISO 4427/DIN8074/8075/MS1058 Class PN 12.5 (12.5MPa) or other equal and approved higher pipe; fittings and joints to be compression type</u> | | |
| | Pipe cast/chased into concrete or brickwall or bracketed off walls or soffits with pipe clips | | |
| W39 | 20mm outer diameter pipes | m | \$ 15.00 |
| W40 | 25mm outer diameter pipes | m | \$ 16.00 |
| W41 | 63mm outer diameter pipes | m | \$ 25.00 |
| | <u>Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:</u> | | |
| W42 | >63mm outer diameter pipes | No | \$ 70.00 |
| | <u>MDPE pipe to ISO 4427/DIN8074/8075/MS1058 Class PN 12.5 (12.5MPa) or other equal and approved higher pipe; fittings and joints to be butt fusion/compression type</u> | | |
| | Laying in the ground | | |
| W43 | 110mm outer diameter pipes | m | \$ 50.00 |
| W44 | 125mm outer diameter pipes | m | \$ 60.00 |
| | <u>Extra over for all necessary fittings, sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings:</u> | | |
| W45 | >110mm outer diameter pipes | No | \$ 110.00 |
| | Ductile iron pipe including all necessary fittings and sockets, connectors, reducers, plugs, elbow, tees, union, nipple, bush and other similar pipe fittings | | |
| | 100mm | m | \$ 80.00 |
| | 150mm | m | \$ 100.00 |
| | 200mm | m | \$ 120.00 |
| | HOT WATER INSTALLATION | | |
| | <u>Insulated Copper pipes to BS 2871, compression joints and fittings to B.S 864</u> | | |
| | Pipes cast/chased into concrete or brickwall or bracketed off walls or soffits with pipe clips | | |
| W46 | 15mm diameter pipes | m | \$ 15.00 |
| W47 | 22mm diameter pipes | m | \$ 20.00 |
| W48 | 28mm diameter pipes | m | \$ 26.00 |
| W49 | 35mm diameter pipes | m | \$ 35.00 |
| W50 | 42mm diameter pipes | m | \$ 42.00 |
| W51 | 54mm diameter pipes | m | \$ 50.00 |

| Item | Description | Unit | Rate |
|-------------|---|------|-----------|
| X | SANITARY INSTALLATION | | |
| X1 | <u>Remove and refix new sanitary fittings and accessories; bedding wastes and taps in jointing compound</u> Allow labour to refix loose sanitary fittings such as sink, low level WC suite and cistern | No | \$ 25.00 |
| X2 | Vanity Top Basin Vanity top deep reinforced with 2 layers of BRC A7 with oval opening and tiled all exposed surfaces with homogeneous tiles finish to: | No | \$ 200.00 |
| X3 | 100mm thick x 900mm long x 600mm deep for 1 No sink | No | \$ 290.00 |
| X4 | 100mm thick x 1300mm long x 600mm deep for 2 Nos sink | No | \$ 450.00 |
| X5 | 100mm thick x 1950mm long x 600mm deep for 3 Nos sink | No | \$ 550.00 |
| X6 | 100mm thick x 2600mm long x 600mm deep for 4 Nos sink | No | \$ 700.00 |
| X7 | 100mm thick x 3250mm long x 600mm deep for 5 Nos sink | No | \$ 800.00 |
| X8 | Water Closet and Cistern Remove existing, complete with all necessary works and make good. | No | \$ 25.00 |
| | Supply and fix new American Standard complete with all necessary accessories, tank fittings, brackets, flush pipes and jointing to pipe work with all necessary connectors and make good. | | |
| X9 | American Standard; Squatting type or other technically approved equivalent (Vitreous China-high/low level-white) | No | \$ 350.00 |
| X10 | American Standard or other approved equivalent (Vitreous China-low level-white) | No | \$ 390.00 |
| X11 | American Standard or other approved equivalent (Vitreous China-low level-coloured) | No | \$ 390.00 |
| X12 | American standard close coupled or other technically approved equivalent (Vitreous China-White) | No | \$ 390.00 |
| X13 | American standard close coupled or other technically approved equivalent (Vitreous China-Coloured) | No | \$ 390.00 |
| X13a | Water closet Cistern Tank with complete necessary fittings UPVC | No | \$ 40.00 |
| X13b | Vitreous China or other technically approved equivalent | No | \$ 80.00 |
| X14 | Pedestal Pan Seat and Cover Ordinary (White) | No | \$ 15.00 |
| X15 | Ordinary (Coloured) | No | \$ 20.00 |
| X16 | Close - coupled heavy duty (White) | No | \$ 15.00 |
| X17 | Close - coupled heavy duty (Coloured) | No | \$ 20.00 |
| X18 | Cistern Cover Plain Vitreous China | No | \$ 48.00 |
| X18a | Plain UPVC | No | \$ 15.00 |
| X18b | With dual flush push mechanism | No | \$ 60.00 |
| X18c | Water Closet Bowl European Type | No | \$ 200.00 |
| X18d | Asian Squatting Type | No | \$ 150.00 |
| X19 | Wash Hand basin Remove the existing and fix new wall hung with fixing brackets; trap, waste, plug and other necessary items. | No | \$ 80.00 |
| X20 | Oval -shaped "White Vitreous China" | No | \$ 90.00 |
| X21 | Wash hand basin , 400 x 550mm (White) | No | \$ 80.00 |
| X22 | Brackets For Wash Hand Basin Cast iron brackets including fixing to the tile/concrete wall | No | \$ 15.00 |

| Item | Description | Unit | Rate |
|------|---|------|-----------|
| X | SANITARY INSTALLATION (Cont'd) | | |
| | <u>Mirror</u> | | |
| X23 | Remove existing mirror including aluminium framing of any sizes | No | \$ 10.00 |
| X24 | Supply and fix new mirror including aluminium framing and all necessary works | m2 | \$ 80.00 |
| | <u>Anal Spray & Nozzle</u> | | |
| X25 | Remove existing; replace and fix new Showy 48" s/s double lock f/hose 22F/1 bidet spray (6319) or approved equivalent c/w lever type tap | No | \$ 36.00 |
| | <u>Stainless Steel/Aluminium Kitchen Sink</u> | | |
| | Remove the existing and fix new including application of silicone sealant and hacking out concrete bench and make good | | |
| X26 | Single bowl drainer | No | \$ 110.00 |
| X27 | Double bowl double drainer | No | \$ 190.00 |
| | SUNDRIES | | |
| | Remove the existing and fix new including short waste, plug, chain and stay and all necessary hacking out concrete floor tile and make good | | |
| | <u>Bottle Trap/Tubular/P Trap</u> | | |
| X28 | UPVC - 38mm diameter bottle trap | No | \$ 12.00 |
| X29 | UPVC - 45mm diameter bottle trap | No | \$ 14.00 |
| X30 | UPVC - 50mm diameter Tubular "P" trap | No | \$ 20.00 |
| X31 | UPVC - 75mm diameter "P" trap with rodding eyes | No | \$ 23.00 |
| X32 | HDPE bottle trap | No | \$ 25.00 |
| X33 | Stainless Steel - 50mm diameter 'P' trap | No | \$ 50.00 |
| | <u>Gully Trap</u> | | |
| | Remove the existing and replace new with UPVC gully trap with rodding access to BS 4660 with metal removable flat grating cast into concrete | | |
| X34 | 100mm diameter | No | \$ 80.00 |
| X35 | 150mm diameter | No | \$ 100.00 |
| | <u>Remove the existing and replace new with UPVC floor traps with rodding access to B.S 4660 with all necessary connectors and jointing to pipes</u> | | |
| X36 | 150mm x 150mm UPVC hinge floor grating | No | \$ 15.00 |
| | Stainless steel floor drain trap grating | | |
| X37 | 100mm diameter stainless steel floor grating | No | \$ 25.00 |
| X38 | 150mm diameter stainless steel floor grating | No | \$ 30.00 |
| | <u>Gulley Trap and Manhole Cover</u> | | |
| X39 | 200 x 200mm top; hinged grating frame | No | \$ 20.00 |
| X40 | Coated Cast Iron rectangular single seal cover and frame: in accordance to BS-EN 124, sealing cover in grease and fine sand | No | \$ 250.00 |
| | Coated cast iron rectangular single seal cover and frame; light duty; BS 497 Grade C; weighing 38kg; bedding frame in mortar (1:3); sealing cover in grease and fine sand | | |
| X41 | 695 x 545 x 45mm thick | No | \$ 130.00 |

| Item | Description | Unit | Rate |
|------|---|------|-----------|
| X | SANITARY INSTALLATION (Con | | |
| | <u>Gulley Trap and Manhole Cover</u> Coated cast iron rectangular single seal cover and frame; medium duty; BS 497 Grade B; weighing 142kg; bedding frame in cement mortar (1:3); sealing cover in grease and fine sand 670 x 670 x 75mm overall | No | \$ 217.00 |
| X42 | | | |
| X43 | Coated cast iron rectangular single seal cover and frame; heavy duty; BS 497 Grade B; weighing 210kg; bedding frame in cement mortar (1:3); sealing in grease and fine sand 600 x 450mm overall | No | \$ 272.00 |
| Y | ACCESSORIES AND ANCILLARIES | | |
| | Note : All tap shall use brand: Toto, ilife, figo or any approved equivalent or heavy duty tap | | |
| | <u>Valves and Taps</u> Valves to BS 1010 and BS 1212 Remove the existing and fix new .Rate shall include all necessary connection, threading, hacking out concrete wall tile and make good to match: <u>Brass Gate Valve/Chrome Stop Valve</u> | | |
| Y1 | 15mm diameter | No | \$ 12.00 |
| Y2 | 22mm diameter | No | \$ 17.00 |
| Y3 | 28mm diameter | No | \$ 20.00 |
| Y4 | 35mm diameter | No | \$ 25.00 |
| Y5 | 54mm diameter | No | \$ 45.00 |
| | <u>Sluice Valve; including</u> | | |
| Y6 | 75mm diameter | No | \$ 350.00 |
| Y7 | 100mm diameter | No | \$ 400.00 |
| Y7a | 150 mm diameter | No | \$ 500.00 |
| | <u>Non-return Valve; including</u> | | |
| Y7b | 75mm diameter | No | \$ 200.00 |
| Y7c | 100mm diameter | No | \$ 250.00 |
| Y7d | 150mm diameter | No | \$ 350.00 |
| Y8 | Remove existing tap of any sizes and brand | No | \$ 10.00 |
| | Supply and fix new or approved equivalent: | | |
| Y9 | Showy Q-turn single level wall sink tap (6053) | No | \$ 35.00 |
| Y10 | Showy metal lever Q-turn pillar tap (2565M-PQC) | No | \$ 38.00 |
| Y11 | Showy quarter turn single lever bib faucet 140mm (6272) | No | \$ 31.00 |
| Y12 | Showy Q-turn single level 'U' spout sink tap (51U,6051UP) | No | \$ 41.00 |
| Y13 | Showy CP shower stop cock (2575SC) | No | \$ 14.00 |
| Y14 | Showy 'The Pure' cp brass garden tap (2988) | No | \$ 9.00 |
| Y15 | Showy Q-turn single level sink tap w/flex spout (6051F-50) | No | \$ 50.00 |

| Item | Description | Unit | Rate |
|------------|--|------|-------------|
| Y16 | Swan - Neck Type Tap To remove existing and 1 or 2-ways laboratory water tap to workbenches | No | \$ 5.00 |
| Y17 | To remove existing and 3-ways laboratory water tap to workbenches | No | \$ 8.00 |
| | <u>To replace with new .Rate shall include all necessary connection, threading, hacking and make good to match:</u> | | |
| Y18 | 2-Way heavy duty stainless Swan Neck Tap | No | \$ 75.00 |
| Y19 | Ditto 3-way | No | \$ 250.00 |
| Y20 | To replace with new 3-ways laboratory water tap to workbenches and to match existing. Rate shall include all necessary connection | No | \$ 150.00 |
| | Flexible Hose Remove existing flexible hose and replace new with : 15mm diameter; connection to pipe | No | \$ 13.00 |
| Y21 | 20mm diameter; connection to pipe | No | \$ 15.00 |
| | Repair pipe with new Collar Clamp | | |
| Y23 | 50mm diameter pipes | No | \$ 100.00 |
| Y24 | 65mm diameter pipes | No | \$ 150.00 |
| Y25 | 80mm diameter pipes | No | \$ 200.00 |
| | 100mm diameter pipes | No | \$ 250.00 |
| | 150mm diameter pipes | No | \$ 300.00 |
| | Repair pipe with new Split Collar Clamp | | |
| Y26 | 50mm diameter pipes | No | \$ 100.00 |
| Y27 | 65mm diameter pipes | No | \$ 150.00 |
| Y28 | 80mm diameter pipes | No | \$ 200.00 |
| | 100mm diameter pipes | No | \$ 250.00 |
| | 150mm diameter pipes | No | \$ 300.00 |
| Y | ACCESSORIES AND ANCILLARIES | | |
| | <u>Automatic Flushing Valve and Cistern</u> | | |
| Y29 | "American Standard 8902" toilet flush valve or any other technically approved equivalent | No | \$ 50.00 |
| Y30 | "American Standard 8900" urinal flush valve or any other technically approved equivalent | No | \$ 50.00 |
| Y31 | "Coroline 831" urinal plastic auto cistern (4.5 litres) or any other technically approved equivalent | No | \$ 80.00 |
| Y32 | "Coroline" automatic siphon BS 1876 for urinal auto cisterns or any other technically approved equivalent | No | \$ 90.00 |
| | <u>Tank Fittings for Water Closets Cisterns</u> | | |
| Y33 | W.C Siphon tank fittings | No | \$ 50.00 |
| Y34 | "Armitage Shank" Free Flow or any other technically approved equivalent | No | \$ 50.00 |
| Y35 | "American Standard" TF-1011 or any other technically approved equivalent | No | \$ 50.00 |
| | <u>Water Tank</u> | | |
| Y36 | Supply and fix new 1m x 1m x 1m Stainless steel panel tank and cover with all necessary perforations for pipes. | No | \$ 1,500.00 |
| Y37 | Supply and fix 1600 litres stainless steel water storage tank complete with metal stand, concrete base and other necessary support items | No | \$ 1,000.00 |
| Y38 | Supply and fix 2000 litres stainless steel water storage tank complete with metal stand, concrete base and other necessary support items | No | \$ 1,300.00 |

| Item | Description | Unit | Rate |
|------|---|------|-----------|
| Y39 | Supply and fix Davies or other approved equivalent to 1H electrical pump including wiring <u>Water Tank Fittings</u> Brass Ball Float Valve c/w Polythene Ball | No | \$ 600.00 |
| Y40 | 25mm (1") | No | \$ 30.00 |
| Y41 | 32mm (1 1/4") | No | \$ 35.00 |
| Y42 | 50mm (2") | No | \$ 42.00 |
| Y43 | 75mm (3") | No | \$ 50.00 |
| Y44 | 100mm (4") | No | \$ 100.00 |
| Y45 | Brass Ball Float Valve c/w Copper Ball | No | \$ 75.00 |
| Y46 | 75mm (3") | No | \$ 130.00 |
| Z | CLEAN AND UNBLOCK CLOGGED SANITARY SYSTEM Supply labour, plants, tools, equipment, vehicles and other necessary to clean and unblock the following clogged sanitary plumbing system and fittings: | | |
| Z1 | Manhole | No | \$ 50.00 |
| Z2 | Septic Tank | No | \$ 100.00 |
| Z3 | Gully Trap | No | \$ 30.00 |
| Z4 | Floor trap | No | \$ 15.00 |
| Z5 | Toilet bowl | No | \$ 20.00 |
| Z6 | Urinal bowl | No | \$ 20.00 |
| Z7 | Wash hand basin | No | \$ 15.00 |
| Z8 | Kitchen sink | No | \$ 15.00 |
| Z9 | 100mm and or to 75mm diameter pipe | m | \$ 5.00 |
| Z10 | 50mm and or to 75mm diameter pipe | m | \$ 3.00 |
| Z11 | Desludging of manhole | No | \$ 150.00 |
| Z12 | Desludging of septic tank | No | \$ 500.00 |
| Z13 | Grease trap | No | \$ 325.00 |
| Z14 | Water tank (panelled / cylindrical) | No | \$ 100.00 |
| ZA | TEMPORARY SCAFFOLDING & SAFETY HOARDINGS To fabricate temporary scaffolding, including adjustable plate base, plain base plate, caster, caster with screw jack, outrigge bracket, cross brace, brace lock, plan brace, side bracket, standard arch frame, hinge pin, vertical coupling pin, hinge pin, standard end frame, standard half frame, guardrail post, guardrails, Aluminium or plywood deck, netting and all necessary works. not exceeding 3m high | | |
| ZA1 | not exceeding 3m high | Lot | \$ 50.00 |
| ZA2 | exceeding 3m to 6m high | Lot | \$ 150.00 |
| ZA3 | exceeding 6m to 9m high | Lot | \$ 250.00 |
| ZA4 | Exceeding 9m high | Lot | \$ 300.00 |
| Item | Description | Unit | Rate |

| | | | | |
|----------|--|--|-----------|-----------|
| | | | | |
| | SAFETY SIGNS/HOARDING Construct and install; ZA5 Safety hoarding; ≤2.5m high, metal cladding including timber/metal support, bracing and all other | | m | \$ 40.00 |
| | ZA6 Safety hoarding; 2.5m - 4m high, metal cladding including timber/metal support, bracing and all | | m | \$ 80.00 |
| | Supply and install; ZA7 Safety barricades, safety cones, signboard, safety netting or any relevant acceptable safety measures | | Lot | \$ 50.00 |
| | ZA8 Heavy duty green canvas inclusive of ropes, pegs and installation | | m2 | \$ 6.00 |
| | ZA9 Barrier warning tapes (Red and white colour). | | m | \$ 0.10 |
| | <u>Anti skid tape</u> ZA10 25mm ZA11 50mm AZ12 100mm | | m | \$ 3.00 |
| | | | m | \$ 5.00 |
| | | | m | \$ 10.00 |
| 2 | REMOVAL AND REINSTATE ELECTRICAL APPLIANCES AND WIRINGS | | | |
| A | To remove and refix existing electrical appliances and fittings back to existing location, including all necessary works. | | No.s | \$ 3.00 |
| B | To remove and refix existing electrical wiring/ cable/ trunking back to existing location, including all necessary works. | | m | \$ 1.00 |
| C | ELECTRICAL WORKS Light Bulb & Control Supply and install a) 18W fluorescent tube c/w ballast and starter b) 36W fluorescent tube c/w ballast and starter c) 10W LED daylight recessed bulb d) 18W LED daylight recessed bulb e) 18W LEW PAR 38 dimmable bulb (E27 base) f) 3.6W candle bulb (E14 base) g) 9W (pls 2pin down light) c/w ballast h) 8W (E 27 down light) c/w ballast | | Per Pc | B\$ 23.00 |
| | | | Per Pc | B\$ 25.00 |
| | | | Per Pc | B\$ 11.00 |
| | | | Per Pc | B\$ 15.00 |
| | | | Per Pc | B\$ 25.00 |
| | | | Per Pc | B\$ 17.50 |
| | | | Per Pc | B\$ 15.00 |
| | | | Per Pc | B\$ 15.00 |
| | Light Control, Switches and Socket outlet a) 13A Single Switch complete with accessories b) 13A Double gang Switch complete with accessories c) 13A Triple gang Switch complete with accessories d) 13A Single Switch outlet e) 13A Twin Switch outlet f) 15A Single Switch outlet | | Per Pc | B\$ 6.00 |
| | | | Per Pc | B\$ 8.00 |
| | | | Per Pc | B\$ 10.00 |
| | | | Per Pc | B\$ 6.00 |
| | | | Per Pc | B\$ 8.00 |
| | | | Per Pc | B\$ 10.00 |
| | To supply and install a) Ceiling fan C/W regulator b) 1.5mm ² c) 2.5mm ² d) Approved water Pump 1.1 KW e) To fix waterpump f) PVC wire Casing conduit 25mm g) Approved water Pump 1.5kw h) NX120-7L battery i) Exhaust fan (eqivalent as existing) j) Water Heater (eqivalent as existing) | | Per Pc | \$ 105.00 |
| | | | Per Meter | \$ 0.55 |
| | | | Per Meter | \$ 0.70 |
| | | | Per Pc | \$ 853.60 |
| | | | Per Lot | \$ 34.50 |
| | | | Per Pc | \$ 3.30 |
| | | | Per Pc | \$ 900.00 |
| | | | Per PC | \$ 200.00 |
| | | | Per PC | \$ 20.00 |
| | | | Per PC | \$ 200.00 |
| D | To provide labour cost to clean existing solar panels using approve cleaning product, tools and equipment to s.o approve. (contractor to fill in the rate) | | Per PC | \$ 30.00 |
| E | To provide one Technician and one helper to do troubleshooting electrical and aircon unit, servicing and attended complain including standby when required by client anytime | | | |
| 1 | electrical | | Per Day | \$ 40.00 |
| 2 | assistant | | Per Day | \$ 20.00 |

| Item | Description | Unit | Rate |
|----------|---|--------------------------------------|--|
| 2 | | | |
| 2.1 | ELECTRICAL WORKS Thermostat including sensor as required | Per PC | \$ 63.00 |
| 2.2 | Air Filter, soft foam/sponge type | Per PC | \$ 21.00 |
| 2.3 | Air Filter, hard PVC mesh frame type | Per PC | \$ 49.00 |
| 2.4 | Air Blower, Evaporator fan | Per PC | \$ 70.00 |
| 2.5 | Over load Relay, for compressor 32-amps | Per PC | \$ 42.00 |
| 2.6 | Fan motor Bearing '6306 '6308 '6311 | Per PC Per PC Per PC | \$ 42.00 \$ 70.00 \$ 91.00 |
| 2.7 | Filter Drier a. EK 084 b. EK306 c. Alco 165 5/8" d. H-48 | Per PC Per PC Per PC Per PC | \$ 28.00 \$ 70.00 \$ 56.00 \$ 98.00 |
| 2.8 | Capacitor running/starting a. '2-5 MFD b. 6-15 MFD c. 16-29 MFD | Per PC Per PC Per PC | \$ 7.00 \$ 21.00 \$ 28.00 |
| 2.9 | Magnetic Contactor a. LC1 D-09 b. LC1 D-12 c. LC1 D-18 | Per PC Per PC Per PC | \$ 28.00 \$ 35.00 \$ 56.00 |
| 2.1 | Remote control for Split Unit | Per PC | \$ 112.00 |
| 2.11 | Universal remote with receiver board | Per PC | \$ 154.00 |
| 2.12 | High pressure switch D306XM | Per PC | \$ 140.00 |
| 2.13 | Low pressure switch D306XM | Per PC | \$ 140.00 |
| 2.14 | Service valve | Per PC | \$ 28.00 |
| 2.15 | Refrigerant piping connector coupling | Per PC | \$ 14.00 |
| 2.16 | Front cover | Per PC | \$ 70.00 |
| 2.17 | Flexible hose, 1/2 "dia. / m | M | \$ 7.00 |
| 2.18 | Remote to wire type including necessary parts | Per Lot | \$ 280.00 |
| 2.19 | Fully hermetic compressor for RAC R-22 any make c/w filter drier, service valve, motor protector, crankcase heater, capacitor + 9 months warranty including testing & commissioning a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr | Per No Per No Per No | \$ 252.00 \$ 385.00 \$ 483.00 |
| 2.2 | Fully hermetic compressor for Split Unit R-22 any make c/w filter drier, service valve, motor protector, crankcase heater, capacitor + 9 months warranty including testing & commissioning a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr | Per No Per No Per No | \$ 252.00 \$ 385.00 \$ 483.00 |
| 2.21 | Fan Blade for Condenser, Split Unit any make a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr | Per No Per No Per No | \$ 70.00 \$ 70.00 \$ 84.00 |
| 2.22 | Micro-Computer Control for Split Unit any make a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr | Per No Per No Per No | \$ 140.00 \$ 168.00 \$ 224.00 |
| 2.23 | Electronic Printed Circuit Boards for Split Unit any make a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr d. 18,500 Btu/hr - 28,000 Btu/hr | Per No Per No Per No Per No | \$ 133.00 \$ 252.00 \$ 280.00 \$ 336.00 |
| 2.24 | FCU Fan Scroll for Split Unit any make a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr | Per No Per No Per No | \$ 161.00 \$ 161.00 \$ 182.00 |
| 2.25 | New Condenser Fan motor for Split Unit any make a. 7,000 Btu/hr - 11,000 Btu/hr b. 12,000 Btu/hr - 17,000 Btu/hr c. 18,000 Btu/hr - 24,000 Btu/hr | Per No Per No Per No | \$ 133.00 \$ 182.00 \$ 224.00 |

| Item | Description | Unit | Rate |
|------|---|----------------------------|-------------------------------------|
| 2.26 | New Fan motor for RAC any make a. 7,000 Btu/hr – 11,000 Btu/hr b. 12,000 Btu/hr – 17,000 Btu/hr c. 18,000 Btu/hr – 24,000 Btu/hr | Per No Per No Per No | \$ 133.00 \$ 182.00 \$ 224.00 |
| 2.27 | New Fan Coil Unit Fan Motor for Split Unit any make a. 7,000 Btu/hr – 11,000 Btu/hr b. 12,000 Btu/hr – 17,000 Btu/hr c. 18,000 Btu/hr – 24,000 Btu/hr | Per No Per No Per No | \$ 105.00 \$ 161.00 \$ 217.00 |
| 2.28 | To Rewind Fan Motor for Split Unit any make c/w bearings a. 8,000 Btu/hr – 13,000 Btu/hr b. 13,500 Btu/hr – 18,000 Btu/hr | Per No Per No | \$ 77.00 \$ 133.00 |
| | PARTS DESCRIPTION <i>(As described below or approved equivalent)</i> | | |
| 2.29 | To Rewind Fan Motor for RAC any make c/w bearings a. 7,000 Btu/hr – 11,000 Btu/hr b. 12,000 Btu/hr – 17,000 Btu/hr c. 18,000 Btu/hr – 24,000 Btu/hr | Per No Per No Per No | \$ 77.00 \$ 133.00 \$ 161.00 |
| 2.3 | To fabricate, supply & install Drip Tray for RAC | Per No | \$ 161.00 |
| 2.31 | Plug Top MK or approved equivalent a. 15 amps b. 20 amps | Per No Per No | \$ 7.00 \$ 11.00 |
| 2.32 | 3-core flexible cable suitable for the following rating a. 15 amps b. 20 amps c. 30 amps | Per No Per No Per No | \$ 6.00 \$ 9.00 \$ 13.00 |
| 2.33 | Refrigerant piping for Split Unit c/w Armaflex insulation and Denso tape a. Below 1 " b. 1 1/8" – 2" | m m | \$ 25.00 \$ 32.00 |
| 2.34 | Replace Refrigerant piping insulation using Amaflex for Split Unit a. Below 1 " b. 1 1/8" – 2" | m m | \$ 6.00 \$ 9.00 |
| 2.35 | Metal Trunking a. 2" x 2" x 6" b. 2" x 3" x 6" c. 2" x 4" x 6" | m m m | \$ 9.00 \$ 11.00 \$ 14.00 |
| | PVC Trunking a. 2" x 2" x 6" b. 2" x 3" x 6" c. 2" x 4" x 6" | m m m | \$ 6.00 \$ 8.00 \$ 11.00 |
| 2.37 | New Receiver for:- a. RAC's b. Split Units | Per Pc Per Pc | \$ 49.00 \$ 63.00 |
| 2.38 | Flare nuts any size for Split Unit and RAC | Per Pc | \$ 3.00 |
| 2.39 | Flare Union any size for Split Unit and RAC | Per Pc | \$ 1.00 |
| 2.4 | Flare Elbow any size for Split Unit and RAC | Per Pc | \$ 1.00 |
| 2.41 | Flare Tee any size for Split Unit and RAC | Per Pc | \$ 1.00 |
| 2.43 | Freon R-22 | Per Cylinder | \$ 42.00 |
| 2.44 | Alteration of an opening as requested by the Department | M2 | \$ 49.00 |
| 2.45 | Blanking off an opening using 1/2" thick painted plywood, properly fixed to cover the opening fully. | M2 | \$ 105.00 |
| 2.46 | Materials for repairing leaks, to provide all the required materials to repair any leaks as instructed by the designated officer. | Per Lot | \$ 105.00 |
| 2.47 | To supply and install metal support brackets for RAC and Split type air conditioning where the brackets shall be rigidly fixed and painted to match the external wall of the building (for ducting & condensing unit various size) | Per Lot | \$ 126.00 |
| 2.51 | To replace a compressor with another working compressor salvaged from a written-off unit, including all necessary related works. The works shall also include testing of the unit repainting of the unit using two coats of red lead oxide paint and a final coat to match the original colour. The price should only be chargeable as labour charge. | Per Lot | \$ 105.00 |
| 2.52 | Materials for system chocked elimination to provide all the required materials as instructed by the designated officer. | Per Lot | \$ 126.00 |

| Item | Description | Unit | Rate |
|------|---|---------|-----------|
| 2.54 | To supply and replace the following : a. DOL starter for Room airconditioning unit b. 15 Amps Switched socket outlet c. 20 Amps DP Switch d. Compressor Overload Protector e. Thermistor sensor f. Air swing motor for RAC/Split g. Blower Scroll for Room Air-condition unit h. Blower Scroll for Split Unit g. Compressor terminal clip with wiriness assembly | Per Pc | \$ 126.00 |
| | | Per Pc | \$ 32.00 |
| | | Per Pc | \$ 28.00 |
| | | Per Pc | \$ 49.00 |
| | | Per Pc | \$ 56.00 |
| | | Per Pc | \$ 56.00 |
| | | Per Pc | \$ 84.00 |
| | | Per Pc | \$ 126.00 |
| | | Per Pc | \$ 49.00 |
| 2.55 | To supply and replace the following : a. MCCB 40 to 80 SP/TP b. Weather proof Isolator Switch 20Amps DP/TP c. Weather proof Isolator Switch 32Amps DP/TP d. MCB 16 Amps SP/TP e. MCB 32-40 Amps SP/TP f. Sub Distribution Board Metal Enclosure g. Sub Distribution Board PVC Enclosure h. Copper capillary tube size to unit under repair i. 3 way copper drier/strainer j. Time Delay relay | Per Pc | \$ 84.00 |
| | | Per Pc | \$ 84.00 |
| | | Per Pc | \$ 105.00 |
| | | Per Pc | \$ 42.00 |
| | | Per Pc | \$ 63.00 |
| | | Per Pc | \$ 280.00 |
| | | Per Pc | \$ 140.00 |
| | | Per Pc | \$ 42.00 |
| | | Per Pc | \$ 56.00 |
| | | Per Pc | \$ 49.00 |
| 2.56 | Dismantling of existing faulty unit and send to store or as instructed by S.O. a. Room Air Conditioning Unit b. Split air conditioning unit | Per Pc | \$ 35.00 |
| | | Per Pc | \$ 56.00 |
| 2.57 | To supply and terminate 3C x 4mm ² in PVC surface casing/conduit for the nearest Sub DB to unit isolator (per meter) | m | \$ 11.00 |
| 2.58 | To supply and terminate 5C x 4mm ² in PVC surface casing/conduit from the nearest Sub DB to unit isolator (per meter) | m | \$ 14.00 |
| 2.59 | To supply and terminate 2C x 2.5mm ² in PVC surface casing/conduit | m | \$ 6.00 |
| 2.61 | Repositioning/collect and install RAC unit of various capacities as instructed by S.O. | Per Lot | \$ 77.00 |
| 2.62 | Repositioning/collect and install Split unit of various capacities as instructed by S.O. | Per Lot | \$ 154.00 |
| 2.63 | Modify blower/fan motor end plate bush to bearing c/w machining | Per Lot | \$ 63.00 |
| 2.64 | Painting of condensing unit/room air conditioning unit with anti rust coat and final coat with suitable colour. | M2 | \$ 63.00 |
| 2.64 | To provide one Technician and one helper to do servicing and attended complain including standby when required by client anytime | Per Day | \$ 100.00 |

* (+) PLUS / (-) MINUS% (.....PERCENTUM)

Under the terms of the above Quotation respond time for any request/repair work required is within 24hr and completion period in 1 week. Failure to do so, liquidated and ascertained damages will be imposed upon you to amount of \$ 25.00 for each day the works remain incomplete.

This quotation is open to contractor with valid registration minimum class 2 and above, with the Ministry of Development

Defects liability period shall be 6 months

Contract period:

One (1) year or when the contract amount is not exceeding fifty thousand Brunei dollar (\$50,000.00), which ever come first

Validity Offer:

6 (Six) Months (from the date of quotation)

From:

(Official Chop / Signature)

Contract / Address:

Tel. (off):

H/phone:

.....

Fax. No: