

SCHEDULE OF QUANTITIES

**UPGRADE OF
ELSBURG PERWAY DEPOT**

SECTION B

SCHEDULE OF QUANTITIES

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PART A: SCHEDULE OF QUANTITIES

| | <u>BILL NO. 1</u> | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> |
|----|---|--------------------|-------------------|--------------------|---|----------------------|
| | <u>ALTERATIONS (PROVISIONAL)</u> | | | | | |
| | <u>REMOVAL OF EXISTING WORK</u> | | | | | |
| | Carefully breaking down and removing brickwork etc | | | | | |
| | Taking out and removing piping, sanitary fittings, etc including disconnection piping from fittings | | | | | |
| 1 | Pan and cistern | No. | 5 | R | - | R - |
| 2 | Kitchen sink cabinet | No. | 2 | R | - | R - |
| 3 | Ceramic wash hand basin | No. | 5 | R | - | R - |
| 4 | 0.15 x 0.15m high box gutter including down pipes | m | 80 | R | - | R - |
| 5 | 0.25 x 0.2m high box gutter including down pipes | m | 40 | R | - | R - |
| 6 | 50mm uPVC piping including fittings and brackets | m | 5 | R | - | R - |
| | Hacking up/off and removing ceramic wall tile | | | | | |
| 7 | Tiles to walls | m ² | 15 | R | - | R - |
| | Taking down and removing ceiling | | | | | |
| 8 | Rhino board ceilings including cornices, brandering, jointing strips, etc | m ² | 150 | R | - | R - |
| | Taking out and removing glass from steel window frame | | | | | |
| 9 | clear glass from steel window frames including cleaning out rebates and preparing for new glass | m ² | 25 | R | - | R - |
| | Taking out and removing Fascia and barge board | | | | | |
| 10 | Fascia and barge board not exceeding 300mm girth | m | 60 | R | - | R - |
| | Clean down existing face brick façade, painted walls, etc with water and brush | | | | | |

| | | | | | | | |
|----|--|----------------|------------|-------------|---|---------------|---|
| 11 | External face brick walls | m ² | 150 | R | - | R | - |
| 12 | Remove garage roller Shurter doors | no | 4 | R | - | R | - |
| | | | | | | R | - |
| | <u>BILL NO 2</u> | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> | |
| | <u>MASONRY</u> | | | | | | |
| | Bricks shall have been obtained from an approved manufactured and shall be either general purpose (special) burn clay bricks or Engineering bricks that comply with the applicable requirements of SABS 285. The contractor shall submit to the project manager samples of the bricks that he/she intends using in the construction of the works. The sample of the bricks that are approved will be retained by the Project manager. See sub clause 3.1 of SABS 1200A or 1200AA as applicable | | | | | | |
| | Bricks in Class II mortar | | | | | | |
| 1 | One brick wall for storm water channel and catch basin | m ² | 150 | R | - | R | - |
| | BRICKWORK SUNDRIES | | | | | | |
| | Brick reinforcement | | | | | | |
| 2 | 230mm wide reinforcement built in horizontal | m | 350 | R | - | R | - |
| | Face brick coping | | | | | | |
| 3 | Coping on top of one brick wall | m | 220 | R | - | R | - |
| 4 | Allow to build guard house, use PRASA spec. 20m ² similar to the one at Elsburg signal cabin. Make good. | Sum | | R | | R | |
| | | | | | | R | - |

BILL NO 3**Unit****QTY****Rate****Amount****CARPENTRY AND JOINERY****DOORS**

44mm thick interior grade flush solid core timber single door with 3 mm thick commercial ply on both sides with consolidated edges fitted and complying with SABS 545 in pressed steel frame. All painted in accordance with architects colour schedule.

| | | | | | | | |
|---|---|-----|----|---|---|---|---|
| 1 | 813 x 2032 x 44mm single interior leaf solid core | No. | 20 | R | - | R | - |
| | 44mm thick exterior grade flush solid core timber single door with 3mm thick commercial ply on both sides with consolidated edges fitted and complying with SABS 545 in pressed steel frame. All painted in accordance with architect's colour schedules | | | | | | |
| 2 | 813 x 2032 x 44mm single exterior leaf solid core | No. | 5 | R | - | R | - |
| 3 | 1626 x 2032 x 44mm double exterior leaf solid core | No. | 3 | R | - | R | - |

FITTINGS

The following in modular timber cupboards, counters, duty stations, desk etc. as per Cupboard Connections Specification

Carcasses of 16mm thick particle board with both faces white melamine with white Masonite backs. Shelving of 16mm particle board, both faces white melamine and front edge in white PVC. Doors of 16mm particle board with post formed vertical edges and laminated in Renolit. Tops of 32mm particle board with post formed leading edges and laminated in high pressure decorative laminate. All butt edges and edges against walls to be sealed with silicon sealant. Hinges to be "Hettich". Drawer runners to be metal 500mm series with nylon runners or similar. All units complete with door, handles, hinges, cupboards, door, locks, barrel bolts and shelves. Floor unit complete with kick plates. (Formica tops measured elsewhere)

| | | | | | | | |
|---|--|-----|----|---|---|---|---|
| | <u>Built in cupboards fittings</u> | | | | | | |
| 4 | Kitchen sink floor cupboard 3000 x 600 x 900mm high with sides, bottom, back, 3 hinged doors and one drawer completely working including handles, etc. top and sink measured else where | No. | 3 | R | - | R | - |
| | Grocery cabinet | | | | | | |
| 5 | 2.1m high x 0.5m wide x 0.6m 3 lockable separated parking compartment including locks and handles | No. | 1 | R | - | R | - |
| | Change room cabinet | | | | | | |
| | Locker to combines steel body with supawood beech veneer doors. Locker body to be epoxy coated and oven baked for superior finish with grey colour Standard body. | | | | | | |
| 6 | 1800mm high x 450mm width x 500mm depth 2 door lockable lockers completely with heavy duty hinges and locks | No. | 15 | R | - | R | - |
| | Single sided Locker bench unit | | | | | | |
| | Manufactured in angle iron (40x40x5mm), square (50x50x1.2mm or round tubing (50x1.2mm) heavy duty galvanized powder coated steel frame, with 6x70mm wide x 32mm thick Meranti slats, Electroplating powder coating legs and Adjustable feet and base plates | | | | | | |
| 7 | 400mm high x 1000mm width x 1500mm long single sided locker bench unit | No. | 10 | R | - | R | - |
| | CANTEEN BENCH UNIT | | | | | | |
| | Legs manufactured with 75 x 75 mm square tubing, 1100mm wide x 280mm depth x 400mm high steel sheet seat, and table width of 1100 x 1100 x 700. All steel thickness to be 1.6mm thick galvanized powder coated with 70mm Oak hardwood for seats and tabletop finish | | | | | | |
| 8 | 1960 wide x 1960mm depth 4 legs canteen bench unit | No. | 4 | R | - | R | - |
| | COUNTERTOP | | | | | | |
| | Wrought hardwood | | | | | | |
| 8 | 19 x 70mm cleats | m | 25 | R | - | R | - |

| | | | | | | | |
|----|--|--------------------|-------------------|--------------------|----------------------|---|---|
| 9 | 19 x 50mm cleats fixed for worktop support | m | 25 | R | - | R | - |
| | Interior type particle board with Formica veneer | | | | | | |
| 10 | 900 x30mm thick granite with all exposed edges large bevel edged, fixed to supports using dabs of 100% black silicone adhesive along all supports with all joints filled with matching polyester resin glue. Granite surface to be sealed using an approved stone sealer, all in accordance with the manufacturer's recommendations. | m | 12 | R | - | R | - |
| 11 | 2mm thick edge strip 32mm wide | m | 25 | R | - | R | - |
| 12 | Cut 50mm work top to fit end bowl sink, measured else where | No. | 3 | R | - | R | - |
| | Nutec fibre cement | | | | | | |
| 13 | 3000 x 10 x 300mm fascia boards including PVC H-Profile fascia board joiner | m | 40 | R | - | R | - |
| 14 | 3000 x 10 x 300mm barge boards including PVC H-Profile barge board joiner | m | 20 | R | - | R | - |
| | Glazed shower doors | | | | | | |
| 15 | Tri-slider patterned obscure glazed shower door | No. | 8 | R | - | R | - |
| 16 | 800 – 1020mm x 4mm tick obscure pivot shower door | No. | 6 | R | - | R | - |
| | Skirting | | | | | | |
| 17 | 20 x 120mm solid meranti skirting | m | 200 | R | - | R | - |
| | | | | | | R | - |
| | <u>BILL NO 4</u> | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | <u>Amount</u> | | |
| | <u>CEILING WORK</u> | | | | | | |
| | <u>SUPPLEMENTARY PREAMBLES</u> | | | | | | |
| | <u>Description</u> | | | | | | |
| | Items described as “nailed” shall be deemed to be | | | | | | |

| | | | | | | | |
|---|--|--------------------|-------------------|--------------------|---|----------------------|---|
| | fixed with hardened steel nails or pins or shot pinned to brickwork or concrete | | | | | | |
| | Items described as “plugged” shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 600mm centres, and where described as “bolted”, bolts priced elsewhere | | | | | | |
| | 6.4mm “Rhino” gypsum plaster board with H-Type pressed steel jointing strips | | | | | | |
| 1 | Ceiling including 38 x 38mm sawn softwood branderling at 450mm centres | m ² | 500 | R | - | R | - |
| 2 | Extra over ceiling for 800 x 800mm trap door of 38 50mm wrought softwood rebated framing with one 38 x 38mm sawn softwood cross brander covered with ceiling board and fitted flush in opening | No. | 10 | R | - | R | - |
| | “Rhino” gypsum plasterboard cornice | | | | | | |
| 3 | 75mm coved cornices | m | 320 | R | - | R | - |
| | | | | | | R | - |
| | <u>BILL NO 5</u> | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> | |
| | <u>IRONMONGERY</u> | | | | | | |
| | <u>LOCKS</u> | | | | | | |
| 1 | 3 liver union lock with handles | No. | 27 | R | - | R | - |
| 2 | Ultra-security heavy duty locks | No. | 8 | R | - | R | - |
| 3 | Stainless Steel Toilet Cubicle Indicator bolt & lock set, Grade 304Stainless Steel indicator bolt fixed to surface with matching stainless-steel screws. | No. | 14 | R | - | R | - |
| 4 | Satin stainless steel toilet roll holders for 2 rolls with central shaft system and cylinder lock, plugged and screwed to the wall with stainless steel screws. (vandal resistant) | No | 12 | R | - | R | - |
| | <u>SIGNAGE</u> | | | | | | |
| | <u>External signage</u> | | | | | | |

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|---|---|--------------------|-------------------|--------------------|---|----------------------|---|
| 5 | 500 x 150mm High double-sided ceiling mounted directional sign anodized aluminium female and male ablutions pictogram door sign, suspended from ceiling grids with brass chains. Minimum of 2,1m above finished floor level. | No. | 6 | R | - | R | - |
| | | | | | | R | - |
| | <u>BILL NO 6</u> | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> | |
| | <u>TILING</u> | | | | | | |
| | <u>Prices:</u> | | | | | | |
| | Prices are to include for all square cutting and waste, cleaning off on completion and protection from injury. Areas are measured net to face of brickwork and concrete. Any additional area caused by the thickness of tiling and screed are to be allowed for in prices | | | | | | |
| | <u>FLOOR TILING</u> | | | | | | |
| | 600x600mm Full Bodied polished Porcelain tiles with 3mm grouting lines | | | | | | |
| 1 | On floors | m ² | 300 | R | - | R | - |
| | 300x300x6mm Full Bodied polished Porcelain mosaic tiles with 3mm grouting lines | | | | | | |
| 2 | On floors | m ² | 30 | R | - | R | - |
| | <u>WALL TILING</u> | | | | | | |
| | Matt Full Bodied Porcelain tiles, size 600 x 300mm x 12mm fixed to internal wall plaster backing with TAL tile adhesive mixed with TAL bonding liquid in lieu of water with joints continuous in both directions and grouted with TAL tile grout, excess grout on the surface to be cleaned with water as work proceeds. | | | | | | |
| 3 | On walls | m ² | 200 | R | - | R | - |
| | 300x300x6mm Full Bodied polished Porcelain mosaic tiles with 3mm grouting lines | | | | | | |
| 4 | On walls | m ² | 60 | R | - | R | - |

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|---|---|--------------------|-------------------|--------------------|----------------------|-----|
| | | | | | | |
| | | | | | R | - |
| | <u>BILL NO 7</u> | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | <u>Amount</u> | |
| | <u>PLUMBING WORK</u> | | | | | |
| | <u>SANITARY FITTINGS</u> | | | | | |
| 1 | Vaal Sanitary ware Hibiscus vitreous china close coupled suite colour White, comprising 90° outlet open rim pan with matching 9 litre front single flush cistern including lid and fitments and Jazz Thermoset seat. | No. | 16 | R | - | R - |
| 2 | Vaal Sanitary ware Hibiscus vitreous china lavatory basin colour White, size 510 x 405mm with two tap hole including integrated overflow and chain stay hole bolted to wall with two x 10mm bolts and including Classic floor mounted pedestal and sealed with silicone sealant where basin meets wall. | No. | 12 | R | - | R - |
| 3 | Top entry ceramic urinal basin with Junior flush master exposed chrome flush valve including flush pipe, spreader, etc | No. | 8 | R | - | R - |
| | WASTE UNINON ETC | | | | | |
| 4 | Bath and Basin waste, plug, chain, stay and backnut | No. | 10 | R | - | R - |
| | TRAPS ETC | | | | | |
| 5 | 365/40 CP bottle trap 40 x 40 INC CP/PVC adaptor to 40mm | No. | 3 | R | - | R - |
| 6 | 38mm sink “P” trap | No. | 9 | R | - | R - |
| 7 | Brass shower P trap with square ss grating | No. | 7 | R | - | R - |
| | SINK, BASIN, ETC | | | | | |
| 8 | Double bowls stainless steel double end bowl inset sink, overall size 1200 x 535mm wide with two 340 x 370 x 150mm deep bowls, fitted onto cupboard (elsewhere specified) including 38mm waste fitting and PVC traps (traps elsewhere specified). | No. | 3 | R | - | R - |
| | TAPS, VALVES, ETC | | | | | |
| 9 | 15mm chrome plated deck mounted sink mixer with overarm swivel outlet and adjustable flanges, manufactured in accordance with SANS 226:2004 | No. | 3 | R | - | R - |

| | | | | | | | |
|----|--|-----|----|---|---|---|---|
| | Type 1. | | | | | | |
| 10 | Mixer SABS approved tap for hot and cold water | No. | 17 | R | - | R | - |
| 11 | Flexi connector | No. | 30 | R | - | R | - |
| 12 | 15 Mini Ball Valve | No. | 30 | R | - | R | - |
| 13 | Single function vandal resistant shower head including shower arm, stainless steel polished body | No. | 7 | R | - | R | - |
| 14 | Chrome plated Shower tap mixer | No. | 12 | R | - | R | - |
| 15 | 22mm Brass Gate Valve | No. | 5 | R | - | R | - |
| 16 | 600kpa pressure control valve | No. | 3 | R | - | R | - |
| 17 | Relieve/safety valve | No. | 6 | R | - | R | - |
| 18 | Vacuum breaker | No. | 6 | R | - | R | - |
| 19 | Drain cock | No. | 3 | R | - | R | - |
| | 0.8mm galvanized sheet iron | | | | | | |
| 20 | 125 x 100mm eaves gutter | m | 50 | R | - | R | - |
| 21 | Extra over 125 x 100mm eaves gutter for stopped end | No. | 8 | R | - | R | - |
| 22 | Extra over 125 x 100 eaves gutter for angle | No. | 10 | R | - | R | - |
| 23 | Extra over 125 x 100mm eaves gutter for outlet for 100 x 75mm pipe | No. | 10 | R | - | R | - |
| 24 | 100 x 75mm rainwater pipes | m | 25 | R | - | R | - |
| 25 | Extra over 100 x 75mm rainwater pipe for shoe | No. | 10 | R | - | R | - |
| | 0.9mm galvanized sheet iron | | | | | | |
| 26 | 250 x 200mm industrial eaves gutter including heavy duty brackets fixed at 500mm centers | m | 40 | R | - | R | - |
| 27 | Extra over 250 x 200mm eaves gutter for stopped end | No. | 4 | R | - | R | - |
| 28 | Extra over 250 x 200 eaves gutter for angle | No. | 6 | R | - | R | - |
| 29 | Extra over 125 x 100mm eaves gutter for outlet for 300mm pipe | No. | 6 | R | - | R | - |

| | | | | | | | |
|----|---|-----|----|---|---|---|---|
| 30 | 300mm rainwater pipes | m | 25 | R | - | R | - |
| 31 | Extra over 300mm rainwater pipe for shoe | No. | 6 | R | - | R | - |
| | Extra over PVC pipes for fittings | | | | | | |
| 32 | 110mm pan connector | No. | 10 | R | - | R | - |
| | WATER SUPPLIERS | | | | | | |
| | Class “O” copper pipe | | | | | | |
| 33 | 15mm pipes chased into brick walls | m | 50 | R | - | R | - |
| 34 | 22mm pipes | m | 30 | R | - | R | - |
| 35 | 22mm pipes chased into brick walls and make good | m | 50 | R | - | R | - |
| | Extra over class “O” copper pipes for capillary fittings | | | | | | |
| 36 | 15mm fitting | No. | 15 | R | - | R | - |
| 37 | 15mm Tee | No. | 15 | R | - | R | - |
| 38 | 15mm bend | No. | 5 | R | - | R | - |
| 39 | 22mm fitting | No. | 20 | R | - | R | - |
| 40 | 22mm Tee | No. | 15 | R | - | R | - |
| 41 | 22mm bend | No. | 5 | R | - | R | - |
| | SOIL DRAINAGE | | | | | | |
| | Upvc waste pipes | | | | | | |
| 42 | 50mm pipes with all connection and make good | m | 30 | R | - | R | - |
| | Upvc class 34 pipes including excavation, bedding, backfilling and compaction and disposal of surplus material | | | | | | |
| 43 | 110mm pipes vertical or ramped to cleaning eyes etc (no excavation) | m | 10 | R | - | R | - |
| 44 | 110mm pipes laid in and including trenches not exceeding 1m deep | m | 50 | R | - | R | - |
| 45 | 50mm pipes with all connection and make good | m | 5 | R | - | R | - |

| | | | | | | | |
|----|---|------|---|---|---|---|---|
| | Extra over Upvc class 34 pipes for fittings | | | | | | |
| 46 | 110 Bend | No. | 4 | R | - | R | - |
| 47 | 110mm junction | No. | 2 | R | - | R | - |
| 48 | 110mm Access bend | No. | 4 | R | - | R | - |
| | Upvc Gulley | | | | | | |
| 49 | 110mm Gulley not exceeding 1m deep formed of trap, vertical pipe and gully head with loose grating, encased in 15MPa unreinforced concrete, with top of gully 50mm above surrounding finished surfaces, top surface of concrete splayed and with 1:3 cement plaster on exposed surfaces | No. | 2 | R | - | R | - |
| | Sundries | | | | | | |
| 50 | 110mm Upvc cleaning eye to end of 110 Upvc pipe | No. | 3 | R | - | R | - |
| 51 | 350 x 350 x 50mm thick precast concrete inspection eye marker slab finished smooth on exposed surfaces with letters "I.E" or "I.O" on top and placed flush in ground or paving | No. | 3 | R | - | R | - |
| 52 | Testing soil drainage system | Item | | R | - | R | - |
| | Manhole covers | | | | | | |
| | Precast concrete manholes with medium duty concrete manhole cover and frame bedded in 1:3 cement mortar, spacers bedded in 1:6 cement mortar and precast concrete slab including excavation, backfilling, compaction, risk of collapse, cartaway surplus material, 300mm thick unreinforced 20MPa/19mm concrete base projection 75mm wide from walls, benching, junctions, channeling and step irons | | | | | | |
| 53 | 980mm diameter (internally) Precast concrete manhole not exceeding 1m deep | No. | 2 | R | - | R | - |
| 54 | 980mm diameter (internally) Precast concrete manhole exceeding 1m deep and not exceeding 2m deep | No. | 2 | R | - | R | - |
| 55 | 980mm diameter Precast concrete manhole cover including frame | No. | 2 | R | - | R | - |
| | Sewer connection | | | | | | |

| | | | | | | | |
|----|---|------|----|---|---|---|---|
| 56 | Cutting into sides of existing manhole chamber for and connecting 110mm pipe including inserting 110mm channel junction and making good concrete benching | Item | | R | - | R | - |
| | WATER RETICULATION | | | | | | |
| | PREMBLES | | | | | | |
| | The contractor is referred to the General Preambles for trades 2017 published by the Association of South Africa Quantity Surveyors before pricing | | | | | | |
| | WATER PIPEWORK | | | | | | |
| | HDPE PE 100PN 12.5 pipes including excavation, bedding, backfilling, and compaction and disposal of surplus material | | | | | | |
| 57 | 25mm pipes laid in and including trenches not exceeding 1m deep | m | 50 | R | - | R | - |
| | Extra over HDPE | | | | | | |
| 58 | 25mm elbow | No. | 4 | R | - | R | - |
| 59 | 25mm equal tee | No. | 2 | R | - | R | - |
| 60 | 25mm couplings pipe connectors | No. | 2 | R | - | R | - |
| 61 | Allow to clean , repair and replace broken storm water channel and make good | m | 20 | R | - | R | - |
| 62 | Allow to supply and fit heavy duty plastic or concrete storm water channel cover lockable similar to the existing steal cage, 300mm wide, and make good. | m | 45 | R | - | R | - |
| 63 | Allow to build IBR roof parking, 6m x2,5 wide, allow heavy duty post and make good | no | 6 | R | - | R | - |
| | | | | | | R | - |

| <u>BILL NO. 8</u> | | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> | |
|--|--|--------------------|-------------------|--------------------|---|----------------------|---|
| <u>GLAZING</u> | | | | | | | |
| <u>GLAZING TO ALUMINIUM WITH CLIP ON BEADS</u> | | | | | | | |
| 4mm patterned glass | | | | | | | |
| 1 | Panes exceeding 0.1m ² and 0.5 m ² | m ² | 10 | R | - | R | - |
| 4mm clear float glass | | | | | | | |
| 2 | Panes exceeding 0.1m ² and 0.5 m ² | m ² | 25 | R | - | R | - |
| <u>MIRROR</u> | | | | | | | |
| 6.5mm silvered float glass copper backed mirrors with polished edges holed for and fixed with chromium plated dome capped mirror screws with rubber buffers to plugs in brickwork | | | | | | | |
| 3 | Mirror 600 x 1200mm high with four screws | No. | 12 | R | - | R | - |
| | | | | | | R | - |
| <u>BILL NO.9</u> | | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> | |
| <u>METAL WORK</u> | | | | | | | |
| <u>PRESSED STEEL DOOR FRAMES, LOUVRE GRILLE FRAMES, ETC</u> | | | | | | | |
| Preparation, supply and install 1.2mm Double rebated frames suitable for one brick work | | | | | | | |
| 1 | External Frame for door 813 x 2032mm high | No. | 2 | R | - | R | - |
| 1.2mm Double rebated frames suitable for half brickwork | | | | | | | |
| 2 | Internal Frame for door 813 x 2032mm high | No. | 3 | R | - | R | - |

SECURITY GATES

Supply and install Burglar door

| | | | | | | | |
|----|---|-----|---|---|---|---|---|
| 3 | 815 x 2100mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing as per attached drawing for single door | No. | 6 | R | - | R | - |
| 4. | 815 x 2100mm high Heavy duty Burglar door and frame with 16mm steel round bar and 40 x 40 x 2.5mm square tubing as per attached drawing for single door | No | 3 | R | - | R | - |

STEEL ROLLER SHUTTERS

Roll-Up solid galvanised, SABS 1461, & epoxy coated M/S manually hand chain operated push-up roller shutter for maximum opening 3000 x 3000mm high with standard bottom rail, 75 x 0.8mm thick end-locked slats, 120mm extra-wide tamper proof guides, 4.5mm end plates, closed shaft and 2 x slidebolts, extruded with Aluminium Tbar & Astragal rubber weather seal. Including galv. cover box and powder coated components incl. door curtain, end plates, cover box, guides & T-bar. Door fixed to brick, concrete or structural steel jambs and concrete or steel lintel over. Contractor to provide cavity of 160mm x 120mm for recessing guides

| | | | | | | | |
|---|--|-----|---|---|---|---|---|
| 4 | Manual hand chain Push-up Roller Shutters, for openings not exceeding 3000mm x 2500mm high. | No. | 4 | R | - | R | - |
|---|--|-----|---|---|---|---|---|

Supply and install Burglar windows

| | | | | | | | |
|---|--|-----|----|---|---|---|---|
| 5 | 600mm W x 600mm H Box windows guard constructed with 5mm of expanded metal and 50 x 50 x 6mm equal angles. | No. | 8 | R | - | R | - |
| 6 | 1600mm W x 1200mm H Box windows guard constructed with 5mm of expanded metal and 50 x 50 x 6mm equal angles. | No. | 14 | R | - | R | - |
| 7 | 1200mm W x 900mm H Box windows guard constructed with 5mm of expanded metal and 50 x 50 x 6mm equal angles. Including window frame and windowpane. | No. | 3 | R | - | R | - |
| 8 | Supply and install heavy duty sliding steel gate , 6m x | No | 2 | R | | R | |

| | | | | | | |
|---|--|----------------|------------|-------------|---|---------------|
| | 2.5m high. Supply and fit and heavy duty industrial motor which allows to be operated manually also., allow tu supply electric cable, allow all necessary fittings to be installed to the total completion of the job. | | | | | |
| | | | | | R | - |
| | <u>BILL NO.10</u> <u>PLASTERING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Preparatory work for textured finishes:</u> Textured finishes to be applied to plaster (plaster elsewhere) All surfaces are to be inspected and approved by Prasa representative before any work is commenced with <u>Price for texture finishes:</u> Prices are to include for all priming, preparatory work, etc INTERNAL PLASTER Preparation and Cement plaster on brick work | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> |
| 1 | walls | m ² | 40 | R | - | R - |
| 2 | Narrow width | m ² | 20 | R | - | R - |
| | | | | | R | - |
| | <u>BILL NO.11</u> <u>PAINTWORK</u> For preambles see “Model Preambles for Trades” 2008 edition published by the Association of South African Quantity Surveyors SUPPLEMENTARY PREAMBLES | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> |

Previously painted plastered surfaces

Surfaces shall be thoroughly washed down and allowed to dry completely before any paint is applied. Blistered or peeling paint shall be completely removed, and cracks shall be opened, filled with a suitable filler and finished smooth

Previously painted metal surfaces

Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal

Previously painted wood surfaces

Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed, and cracks and crevices shall be primed, filled with a suitable filler and finished smooth

PAINTWORK, ETC TO NEW WORK**ON FLOATED PLASTER****One coat professional plaster primer and two coats acrylic paint**

| | | | | | | | |
|---|-------------------------|----------------|-----|---|---|---|---|
| 1 | On ceiling and cornices | m ² | 440 | R | - | R | - |
|---|-------------------------|----------------|-----|---|---|---|---|

One coat professional plaster primer and two coats contractors White Gloss Enamel

| | | | | | | | |
|---|--------------------------|---|-----|---|---|---|---|
| 2 | On gutters and downpipes | m | 220 | R | - | R | - |
|---|--------------------------|---|-----|---|---|---|---|

| | | | | | | | |
|---|----------------------------|---|-----|---|---|---|---|
| 3 | On fascia and barge boards | m | 180 | R | - | R | - |
|---|----------------------------|---|-----|---|---|---|---|

ON WOOD**One coat wood primer, one Universal Undercoat and two coats PRASA Brown**

| | | | | | | | |
|---|----------|----------------|----|---|---|---|---|
| 4 | On Doors | m ² | 90 | R | - | R | - |
|---|----------|----------------|----|---|---|---|---|

Sand with abrasive paper, leaving surface dry, clean and dust free. Wash knots and resinous areas with Lacquer Thinners (ILS 1) and coat with Woodcare Knot Seal (PK 2) and apply one coat of Dulux or Plascon Woodcare Pretreatment (WWP 1), overcoated within 48 hours with a moisture content of BD 2 scale (A1-A5) < 14% or less. Prime with one coat Varnish with an overcoating time of 6 hours and finish with two coats Varnish with 6 hours drying time between coats.

| | | | | | | | |
|---|-------------|---|-----|---|---|---|---|
| 5 | On skirting | m | 220 | R | - | R | - |
|---|-------------|---|-----|---|---|---|---|

ON METAL

One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel

| | | | | | | | |
|---|--|----------------|-----|---|---|---|---|
| 6 | On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and down pipes | m ² | 150 | R | - | R | - |
|---|--|----------------|-----|---|---|---|---|

One coat zinc chromate primer, one Undercoat and two coats Chromadek Prasa Kingfisher Blue suitable for roof

| | | | | | | | |
|---|----------|----------------|-----|---|---|---|---|
| 7 | On roofs | m ² | 440 | R | - | R | - |
|---|----------|----------------|-----|---|---|---|---|

ON WOOD

Surface preparation and apply two coats PRASA Brown

| | | | | | | | |
|---|----------|----------------|----|---|---|---|---|
| 8 | On Doors | m ² | 80 | R | - | R | - |
|---|----------|----------------|----|---|---|---|---|

ON METAL

One coat zinc chromate primer, one Undercoat and two coats Professional Gloss Enamel

| | | | | | | | |
|---|--|----------------|----|---|---|---|---|
| 9 | On rails, bars, handrails, steel work, window frames, door frames, burglar gates and window, gates, gutters and down pipes | m ² | 50 | R | - | R | - |
|---|--|----------------|----|---|---|---|---|

| | | | | | | |
|----|---|----------------|------------|-------------|---|---------------|
| | Wash with polycell sugar soap and rinse with clean water to remove all traces of soap, remove all loose flaking paint and repair any cracks and defects, spot prime bare and repaired areas with bonding liquid and apply one coat sealer and two coats of interior quality nonconductive floor epoxy paint | | | | | |
| 10 | On floors | m ² | 120 | R | - | R - |
| | | | | | | R - |
| | | | | | | |
| | | <u>Unit</u> | <u>QTY</u> | <u>Rate</u> | | <u>Amount</u> |
| | <u>BILL NO.12</u> | | | | | |
| | <u>ELECTRICAL</u> | | | | | |
| | Electrical Supply: | | | | | |
| 1 | Supply Cable: Supply and fit 50mm ² 4 core copper armoured cable | m | 200 | R | | R |
| 2 | Trenching for supply cable: 300mm deep x 100 wide | m | 200 | R | | R |
| 3 | Soft river sand for supply cable: Cover cable with soft river sand | m ³ | 7 | R | | R |
| 4 | Danger tape: Supply and place danger tape over sand to inform electrician of concealed power cable | m | 200 | R | | R |
| 5 | Concrete for supply cable: Supply and cast concrete over supply cable | m ³ | 7 | R | | R |
| 6 | Electrical enclosure (Kiosk): Supply and fit galvanized enclosure painted orange. 1000 x 500 x 300 | No. | 1 | R | | R |
| 7 | Isolator main office: Supply and fit 150Amp three pole | No. | 2 | R | | R |
| 8 | Isolator Ablution and kitchen: Supply and fit 250Amp three pole | No. | 2 | R | | R |
| | Main Office: | | | | | |
| 9 | Supply Cable: Supply and fit 10mm ² 4 core copper armoured cable | m | 50 | R | | R |
| 10 | Earth leakage single pole: Supply and fit 63 Amp | No. | 4 | R | | R |
| 11 | Circuit breaker: Supply and fit 20Amp single pole circuit breaker | No. | 8 | R | | R |

| | | | | | |
|----|---|-----|-----|---|---|
| 12 | Circuit breaker: Supply and fit 30Amp single pole circuit breaker | No. | 8 | R | R |
| 13 | Circuit breaker: Supply and fit 10Amp single pole circuit breaker | No. | 8 | R | R |
| 14 | Conduit 20mm | No. | 5 | R | R |
| 15 | Supply and fit Twin and Earth 2.5mm ² | m | 400 | R | R |
| 16 | Supply and fit 4-foot double LED fitting IP 65 rating | No. | 32 | R | R |
| 17 | Supply and fit Double plug socket at 16 Amp | No. | 32 | R | R |
| 18 | Supply and fit light switches at 16 Amp | No. | 20 | R | R |
| 19 | Contactor: Supply and fit Contactor at 220Vac 18Amps 4 N/O contacts for flood lights | No. | 4 | R | R |
| 20 | Supply and fit LED flood lights at min 2000 Lumens for outside | No. | 16 | R | R |
| 21 | Supply and fit Photo switch for flood lights | No. | 4 | R | R |
| 22 | Supply and fit Split unit aircon min 5000 BTU | No. | 3 | R | R |
| | Future Ablution: | | | | R |
| 23 | Supply Cable: Supply and fit 10mm ² 4 core copper armoured cable | m | 50 | R | R |
| 24 | Earth leakage single pole: Supply and fit 63 Amp | No. | 4 | R | R |
| 25 | Circuit breaker: Supply and fit 20Amp single pole circuit breaker | No. | 8 | R | R |
| 26 | Circuit breaker: Supply and fit 30Amp single pole circuit breaker | No. | 8 | R | R |
| 27 | Circuit breaker: Supply and fit 10Amp single pole circuit breaker | No. | 8 | R | R |
| 28 | Conduit 20mm | No. | 5 | R | R |
| 29 | Supply and fit Twin and Earth 2.5mm ² | m | 100 | R | R |
| 30 | Supply and fit 4-foot double LED fitting IP 65 rating | No. | 4 | R | R |
| 31 | Supply and fit Double plug socket at 16 Amp | No. | 4 | R | R |
| 32 | Supply and fit light switches at 16 Amp | No. | 4 | R | R |
| | Ablution and Kitchen: | | | | |
| 33 | Supply Cable: Supply and fit 50mm ² 4 core copper armoured cable | m | 250 | R | R |
| 34 | Earth leakage single pole: Supply and fit 63 Amp | No. | 6 | R | R |
| 35 | Circuit breaker: Supply and fit 20Amp single pole circuit breaker | No. | 12 | R | R |
| 36 | Circuit breaker: Supply and fit 30Amp single pole circuit breaker | No. | 20 | R | R |
| 37 | Circuit breaker: Supply and fit 10Amp single pole circuit breaker | No. | 20 | R | R |
| 38 | Conduit 20mm | No. | 10 | R | R |
| 39 | Supply and fit Twin and Earth 2.5mm ² | m | 500 | R | R |
| 40 | Supply and fit 4-foot double LED fitting IP 65 | No. | 70 | R | R |

| | | | | | |
|-------|---|-----|----|---|---|
| | rating | | | | |
| 41 | Supply and fit Double plug socket at 16 Amp | No. | 20 | R | R |
| 42 | Supply and fit light switches at 16 Amp | No. | 14 | R | R |
| 43 | Remove 1000L geyser | No. | 1 | R | R |
| 44 | Supply and fit 250L geyser including copper pipes and safety valves as per manufacturer's specifications | No. | 4 | R | R |
| 45 | Supply and fit DB door and circuit breaker cover for existing DB | No. | 3 | R | R |
| 46 | Test, certification and guarantee: Ensure lights functioning correctly. Ensure workmanship is according to good engineering practice. Prasa Cres shall require a 12 month guarantee on all parts and workmanship | No. | 1 | R | R |
| 47 | Supply and install air conditions around the depot buildings. | | | | |
| 4.7.1 | 5 to 15m2 office | No | 10 | R | R |
| 4.7.2 | 15 to 30 m2 | No | 3 | R | R |
| | | | | | R |

ELSBURG PERWAY DEPOT FINAL SUMMARY -SECTION B

| | | PAGE | AMOUNT |
|------------------------------------|-----------------------|----------|--------|
| 1 | Alterations | 1 to 3 | R |
| 2 | Masonry | 3 | R |
| 3 | Carpentry and Joinery | 4 to 6 | R |
| 4 | Ceiling work | 6 to 7 | R |
| 5 | Ironmongery | 7 to 8 | R |
| 6 | Tiling work | 8 | R |
| 7 | Plumbing work | 9 to 13 | R |
| 8 | Glazing | 14 | R |
| 9 | Metal work | 14 to 16 | R |
| 10 | Plastering | 16 | R |
| 11 | Painting work | 16 to 19 | R |
| 12 | Electrical | 19 to 21 | R |
| SUB TOTAL | | | R |
| ADD VAT @ 15% | | | R |
| FINAL SUMMARY SECTION B | | | R |