

1. EXTENT OF CONTRACT

Building contract

The work embodied in the contract comprises remedial work of a house.

The successful tenderer for this contract will be appointed in terms of the National Home Builders Registration Council Remedial work.

2. ACQUAINTANCE WITH TENDER DOCUMENTS

By submission of a tender, the contractor shall be deemed to have acquainted himself with the contract documents, local requirements and laws and all aspects of the work envisaged in the documents, prior to pricing and submission of a tender. It is of vital importance that the tenderer visit the site prior to the submission of a tender to study conditions on site.

No claim resulting from failure to comply with any of the above will be entertained.

3. CONTRACT DOCUMENTS

The contract documents shall comprise:

- * This tender enquiry document, bills of quantities
- * Engineers report and drawings

4. BILLS OF QUANTITIES

These bills of quantities contain pages numbered consecutively as indicated in the Index. Before the contractor submits his tender he should check the number of pages, and if any are found to be missing or duplicated, or the figures or writing indistinct, or the tender documents contain any obvious errors, he should apply to the quantity surveyors at once and have same rectified as no liability whatsoever will be admitted by the National Home Builders Registration Council (NHBRC), in respect of errors in a tender due to the foregoing.

On no account should these documents be used for placing orders for materials. The contractor may do so at his own risk but shall not be reimbursed for additional costs so incurred.

Unless a separate rate for the supply and for the installation of any items is specifically called for, the supply and installation costs of any item shall be deemed to be fully included in the unit price.

5. MATERIAL AND LABOUR COST FLUCTUATIONS

Tenders shall be fixed i.e inclusive of provision for material and labour cost fluctuations during the course of the works.

**NOTES AND SPECIFICATIONS
NOTES TO TENDERERS
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6. CONDITIONS TO BE OBSERVED IN TENDERING

- 6.1 Tenders shall include Value Added Tax
- 6.2 The conciliation officer will notify the tenderer of the tender results
- 6.3 The lowest, or any, or portion of any tender will not necessarily be accepted.
- 6.4 All tenders must be entered on the form provided herein.
- 6.5 Tenders must hold good for thirty (90) calendar days from the tender closing date as stated herein.
- 6.6 All recipients of the tender document (whether they submit a tender or not) must treat the details of the document as private and confidential
- 6.7 The employer will not be responsible for, or pay for, expenses or losses, which may be incurred by any tenderer in the preparation of his tender.

7. TENDER INFORMATION

The employer may require additional information from the tenderer in order to evaluate the tender. The tenderer is required to provide such information if so required by the employer.

8. SITE INSPECTION

Tenderers are required to inspect the site before submission of his tender.

The tenderer is also required to familiarise himself before submission of his tender with regard to relevant local site conditions, site accessibility, the nature of operations required, availability of labour and any conditions pertaining there to, together with conditions relating to unloading, carting and storage of materials, equipment and tools required for the works.

9. SUBMISSION OF TENDERS

The tenderer shall submit the Tender (Priced BOQ) electronically to scmrequests@nhbrc.org.za. The subject line in the email shall clearly state the following: "TENDER FOR HOUSE NOTH, ERF 2044, GREEN POINT, WC

Neither late tenders nor faxed tenders will be considered.

**NOTES AND SPECIFICATIONS
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NAMES OF PARTIES

1. EMPLOYER

National Home Builders Registration Council
Contact Person: Ms. Tamlyn Bouwer
Physical Address: 27 Leeuwkop Road, Sunning hill, Johannesburg
Postal address: P O BOX 461, Randburg, 2125
Tel: (011) 317 0000
Fax: (011) 317 0105

2. ENGINEER

National Home Builders Registration Council
Contact Person : Mr. Dalitso Mkandawire
Physical Address: Centennial Office Park, First Floor, East Block, Century City
Postal address: P O BOX 461, Randburg, 2125
Tel: 083 475 3546

3. CONCILIATION OFFICER

National Home Builders Registration Council
Contact Person : Ms. Faith Sikobi
Physical Address: Centennial Office Park, First Floor, East Block, Century City
Postal address: P O BOX 461, Randburg, 2125
Tel: 081 591 0400

4. QUANTITY SURVEYOR

National Home Builders Registration Council
Contact Person: Mr Waldo Van Rooyen
Physical Address: 27 Leeuwkop Road, Sunninghill, Johannesburg
Postal address: P O BOX 461, Randburg, 2125
Tel: (011) 317 0117

| Item No | Quantity | Rate | Amount |
|---|----------|------|--------|
| <u>BILL NO 1</u> <u>PRELIMINARIES AND GENERAL</u> <u>NOTES</u> <p>The agreement is to be a "Remedial work contract" that will be signed between the Employer (NHBRC) and Contractor upon acceptance to tender offer</p> <p><u>Temporary works and plant</u></p> <p>The contractor shall protect, uphold and maintain all public utilities and services and shall not interfere with their operation without the consent of the service authorities and the Conciliation Officer. The contractor shall notify the Conciliation Officer of any damages to such services and shall make good same at his own cost to the satisfaction of the service authorities.</p> <p>Fuel, power and water for commissioning of mechanical and other specialised equipment shall also include for the cost of all necessary reticulation and connection thereto</p> <p>The contractor shall provide noise and dust control to the approval of the Conciliation Officer</p> <p>The contractor shall maintain the access roads, paths, building etc, adjacent to the construction area etc, during the period of the works in a clean rubble free condition</p> <p><u>Identity of employees</u></p> <p>All employees of the contractor and his subcontractors shall be identifiable at all times by means of ID cards, company name and logos imprinted on overalls. Any person found on site not complying with the aforementioned conditions the contractor shall be requested by Conciliation Officer, to remove such person from site.</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 1 PRELIMINARIES AND GENERAL PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |
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| | <u>Health and safety</u> The contractor is to comply with all requirements of the Health and Safety Specification <u>Housekeeping and compliance with Conciliation Officer site rules</u> The contractor will be responsible for a high standard of housekeeping in his site establishment, delivery of materials and goods and removal of rubble, debris, etc., storage areas and construction working areas to the approval of the Conciliation Officer <u>Working hours</u> Should the contractor wish to work outside normal working hours or at weekends in order to maintain his building programme, he shall notify and obtain the approval of the Conciliation Officer before doing so. The cost of this overtime will be for the contractor's account <u>PRELIMINARIES AND GENERAL</u> <u>All risk insurance</u> 1 Allowance for contractor's all risk insurance and all other relevant insurance etc. <u>Health and Safety</u> 2 Allowance for all health and safety requirements as deemed necessary for the successful execution of the project. (i.e All work to be in a compliance with the provisions of the OHS Act 85 of 1993 and Regulations R1010) <u>Management of contract</u> 3 Management of the works, programming for the works, progress meetings, technical meetings, etc | | | |
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| <p><u>BILL NO 2</u></p> <p><u>ALTERATIONS</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>View site</u></p> <p>Before submitting his tender the contractor shall visit the site and satisfy himself as to the nature and extent of the work to be done and the value of the materials contained in the buildings or portions of the buildings to be demolished. No claim for any variations of the contract sum in respect of the nature and extent of the work or of inferior or damaged materials will be entertained</p> <p><u>Explosives</u></p> <p>No explosives whatsoever may be used for demolition purposes unless otherwise stated</p> <p><u>General</u></p> <p>The contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum of disturbance to adjoining premises and their tenants. He shall provide proper protection and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the principal agent</p> <p>Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the principal agent</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 2 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |
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| | <p>Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing ant glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately</p> <p>Prices for taking out of doors, windows, etc shall include for removal of all beads, architraves, ironmongery, etc</p> <p>Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc and making good floor and wall finishes to match existing</p> <p>With regard to building up of openings in existing walls, cement screeds and pavings, granolithic, tops of walls, etc, shall be levelled and prepared for raising of brickwork</p> <p>Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary</p> <p>The contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)</p> <p><u>All rates includes for carting away demolished material to a dumping site located by the contractor.</u></p> <p><u>TEMPORARY BARRIERS, SCREENS, ETC</u></p> | | | |
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| Temporary barriers, screens, etc including removal | | | |
| 1 | Heavy duty Drop sheets and Ply wood to cover all finishes, floor tiles, cupboards, bath, wash hand basin, etc. | m2 | 10 |
| <u>REMOVAL OF EXISTING WORK</u> | | | |
| <u>Breaking up and removing unreinforced concrete</u> | | | |
| 2 | 100 X 100mm Triangular Fillet | m | 28 |
| <u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc and set aside for re use and later refit in similar new position</u> | | | |
| 3 | Skylight approximating 1500 x 4000mm, including new waterproofing/Silicon/rubber etc. | No | 1 |
| <u>Taking out and removing sundry joinery work, fittings, etc, setting aside for re-use and later re fixing in similar new position</u> | | | |
| 4 | Wall mirror including frame 1000 x 2700mm high etc. | No | 2 |
| <u>Taking out/off sundry metalwork and setting aside for re-use and later re fix in similar new position</u> | | | |
| 5 | Carefully take out glass balustrade 900mm high from concrete and set aside and make good concrete and plaster work. Reinstall balustrades including core drilling, epoxy etc. to match original. | m | 5 |
| <u>Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces for new screed, plaster, tile finishes, etc</u> | | | |
| 6 | Average 50mm Screed from slabs including waterproofing | m2 | 100 |
| 7 | Internal plaster from walls | m2 | 5 |
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| <p><u>BILL NO 3</u></p> <p><u>EARTHWORKS (PROVISIONAL)</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>User note</u></p> <p>The following are typical examples of descriptions of "natureof ground"</p> <p><u>Nature of ground</u></p> <p>The nature of the ground is assumed to be loose sandy material, therefore "earth", but possibly interspersed with "soft rock" or "hard rock"</p> <p>The nature of the ground is assumed to be silty clay withloose river boulders varying in size up to approximately450mm diameter, all of which will be deemed as "earth", butpossibly interspersed with "hard rock"</p> <p>Trial holes indicate that the nature of the ground is silty clayto a depth of approximately 500mm with fine to mediumloose sandy material below, therefore "earth"</p> <p><u>Carting away of excavated material</u></p> <p>Descriptions of carting away of excavated material shall be be deemed to include loading excavated material onto trucks directly from the excavations.</p> <p><u>Filling</u></p> <p>Not withstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and back filling shall include for all selection and any necessary multiple handling of material</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 3 EARTHWORKS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | R | |

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| | <p><u>User note</u></p> <p>When no information regarding density tests is available the following preamble in respect of testing may be inserted</p> <p><u>Testing</u></p> <p>Prices for filling are to include for all necessary density tests in accordance with SABS 1200D</p> <p><u>SITE CLEARANCE ETC</u></p> <p>User Note:</p> <p>Where the value is of significance, the removal of hedges etc shall be given separately in meters or in number</p> <p>Site clearance</p> | | | | |
| 1 | Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc | m2 | 52 | | |
| | <u>REMOVAL OF BOULDERS ETC</u> | | | | |
| | Taking out, removing and cart away boulders etc. | | | | |
| 2 | Boulders with diameter exceeding 500mm and not exceeding 1000mm | No | 5 | | |
| | <u>EXCAVATION, FILLING, ETC</u> | | | | |
| | <u>Excavation in earth not exceeding 2m deep</u> | | | | |
| 3 | Clear out existing planter boxes (For new waterproofing ect. Else Where measured) | m3 | 85 | | |
| | <u>Extra over all excavations for carting away</u> | | | | |
| 4 | Surplus material from excavations and/ stock piles on site to a dumping site to be located by the contractor | m3 | 63 | | |
| | Carried forward | | | R | |
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| | <u>Keeping excavations free of water</u> | | |
| 5 | Keeping excavations free of all water other than subterranean water | Item | |
| | <u>FILLING ETC</u> | | |
| | <u>Earth filling obtained from the excavations compacted to 97% Mod AASHTO density in layers of 150mm (All as per Engineers detail)</u> | | |
| 6 | Planter Box / under existing grass | m3 | 22 |
| | <u>Earth Filling supplied by the contractor compacted in 150mm layers to a 97% Mod AASHTO density (All as per Engineers Detail)</u> | | |
| 7 | G6 Fill compacted in layers of 150mm under artificial grass etc | m3 | 4 |
| | <u>Prescribed density tests on filling</u> | | |
| 8 | Modified AASHTO Density test | No | 1 |
| | <u>LANDSCAPING</u> | | |
| | Grassing, ground covers, etc | | |
| 9 | Carefully remove "Kikuyu" and set aside for re use and later re install in similar new position including fertilizer etc. | m2 | 44 |
| Carried Forward to Sectional Summary: 1 | | | R |
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| | <p><u>BILL NO 4</u></p> <p><u>CONCRETE, FORMWORK AND REINFORCEMENT</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Cost of tests</u></p> <p>The costs of making, storing and testing of concrete test cubes as required under clause 7 "Tests" of SABS 1200 G shall include the cost of providing cube moulds necessary for the purpose, for testing costs and for submitting reports on the tests to the architect. The testing shall be undertaken by an independent firm or institution nominated by the contractor and to the approval of the architect. (Test cubes are measured separately)</p> <p><u>Formwork</u></p> <p>Descriptions of formwork shall be deemed to include use and waste only (except where described as "left in" or "permanent"), for fitting together in the required forms, wedging, plumbing and fixing to true angles and surfaces as necessary to ensure easy release during stripping and for reconditioning as necessary before re-use.</p> <p>The vertical strutting shall be carried down to such construction as is sufficiently strong to afford the required support without damage and shall remain in position until the newly constructed work is able to support itself</p> <p>Formwork to soffits of solid slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 4 CONCRETE, FORMWORK AND REINFORCEMENT PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |
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| | Formwork to soffits of slabs, beams, etc shall be deemed to be propped up exceeding 1,5m and not exceeding 3,5m high unless otherwise described | | | | |
| | Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks" | | | | |
| | <u>User Note</u> | | | | |
| | <i>In order to accommodate the custom in some regions to give formwork to sides of beams, isolated beams, etc separately from formwork to the soffits thereof, the items in respect of formwork to beams, isolated beams, etc are given under the headings of "formwork to sides", "formwork to soffits" and "formwork to sides and soffits"</i> | | | | |
| | <u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u> | | | | |
| | <u>15 Mpa/19mm Concrete</u> | | | | |
| 1 | Concrete Slab / Apron to fall | m3 | 1 | | |
| | <u>CONCRETE SUNDRIES</u> | | | | |
| | <u>Finish top surface of concrete smooth with a wood float</u> | | | | |
| 2 | Apron | m2 | 2 | | |
| | <u>SMOOTH FORMWORK (DEGREE OF ACCURACY II)</u> | | | | |
| | <u>Smooth formwork to sides</u> | | | | |
| 3 | Edges, risers, ends and reveals not exceeding 300mm high or wide | m | 3 | | |
| | Carried forward | | | R | |
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| <u>MOVEMENT JOINTS ETC</u> | | | |
| <u>Expansion joints with 10mm soft board between vertical concrete and brick surfaces</u> | | | |
| 4 | 10mm Joints not exceeding 300mm high | m | 4 |
| <u>REINFORCEMENT (PROVISIONAL)</u> | | | |
| <u>Fabric reinforcement</u> | | | |
| 5 | Type Ref 395 Fabric reinforcement in concrete surface beds, slabs etc. | m2 | 2 |
| <u>CLEANING AND PREPAIRING CONCRETE SURFACE</u> | | | |
| 6 | Brush down with steel brush to expose concrete surface | m2 | 96 |
| 7 | Seal visible cracks with approved epoxy concrete sealer (All as per Eng details) | m | 15 |
| 8 | Remove all construction and movement joint sealer, clean joints and re-apply sealant(All as per Eng details) | m | 21 |
| Carried Forward to Sectional Summary: 1 | | | R |
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| | <p><u>BILL NO 5</u></p> <p><u>MASONRY</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>BRICKWORK</u></p> <p><u>Sizes in descriptions</u></p> <p>Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7Mpa</p> <p>Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick</p> <p><u>Hollow walls</u></p> <p>Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole</p> <p><u>User note</u></p> <p><i>The following preamble generally applies for works in hot and humid coastal areas</i></p> <p><u>Bagged and sealed walls</u></p> <p>Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats bitumen emulsion waterproofing coating</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 5 MASONRY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |
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| | <p><u>Face bricks</u></p> <p>Bricks shall be ordered timeously to obtain uniformity in size and colour</p> <p><u>Pointing</u></p> <p>Descriptions of recessed pointing to fair face brickwork and face brickwork shall be deemed to include square recessed, hollow recessed, weathered pointing, etc</p> <p><u>BLOCKWORK</u></p> <p><u>Concrete masonry units</u></p> <p>Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7MPa</p> <p><u>Wall ties for blockwork</u></p> <p>Wall ties shall be polypropylene ties complying with BS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other</p> <p><u>Blockwork</u></p> <p>Blockwork shall comply with SANS 10145 "Concrete Masonry Construction"</p> | | | |
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| | <p>Surfaces to be plastered shall have joints raked out to a depth of at least 10mm to provide a key. Cavities of hollow walls shall be kept free of mortar droppings or other undesirable matter. Every second perpend of the bottom course of the external skin of hollow walls shall be left open as a weep hole</p> <p><u>Standard complementary blocks</u></p> <p>Descriptions of blockwork shall be deemed to include standard complementary blocks such as corner, three-quarter, half and quarter blocks required in the construction of corners, reveals, jambs, ends, etc to solid and hollow walls and for bonding as necessary</p> <p><u>DECORATIVE BLOCKS</u></p> <p>Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour</p> <p><u>REPAIRING OF CRACKS</u></p> <p><u>Repairs for vertical diagonal and horizontal wall cracks which are greater than 5mm in width and where large deformation occurred (All as per Eng Detail)</u></p> | | | | |
| 1 | Saw-cut neatly at least 250mm either side of crack ensuring a square cut with no further edges | m | 18 | | |
| 2 | Rake out crack to a depth of 30mm to form a v -groove and fill with Sikadur crack filler and smooth | m | 9 | | |
| 3 | Steel diamond mesh (Metal plaster lath) to walls secured with galv. nails @300mm centres | m2 | 5 | | |
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| | <u>BILL NO 6</u> <u>WATERPROOFING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Waterproofing</u> Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs Tenderer must attach manufacturer's specification for their waterproofing system The contractor shall provide a written five (5) years warranty for workmanship, materials and installation from the date of certified completion <u>SEALING STRIPS, JOINT SEALANTS, ETC</u> <u>Silicone sealing compound including backing cord, bond breaker, primer etc</u> 1 10 x 10mm in expansion joints in floors including raking out expansion joint filler as necessary | m | 21 | |
| | <u>WATERPROOFING TO ROOFS, BASEMENTS, ETC</u> <u>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane (DEBIGUM CG3) comprising two bitumen layers reinforced with woven spun bonded polyester fabric and coated with polyethylene film for heat bonding, laid with 100mm side and 150mm end laps</u> 2 On flat floors | m2 | 82 | |
| | Carried forward | | R | |
| | Section No. 1 BUILDINGS Bill No. 6 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | | |

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| Brought forward | | | R |
|---|---|----|-----|
| 3 | On bottoms and sides of planter boxes | m2 | 160 |
| | <u>Prime with one coat bitumen primer and one layer 4mm fully bonded waterproof membrane (DEBIGUM CG4) comprising two bitumen layers reinforced with woven spun bonded polyester fabric and coated with polyethylene film for heat bonding, laid with 100mm side and 150mm end laps</u> | | |
| 4 | On top and sides of parapet walls | m2 | 37 |
| | <u>PROTECTIVE ROOFING PAINT</u> | | |
| | <u>Two coats bituminous aluminium paint</u> | | |
| 5 | On waterproofing to roofs | m2 | 222 |
| Carried Forward to Sectional Summary: 1 | | | R |
| Section No. 1 BUILDINGS Bill No. 6 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p><u>BILL NO 7</u></p> <p><u>PLASTERING</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>User Note</u></p> <p><u>The following preambles are to be included only when specifically required by the principal agent</u></p> <p><u>GRANOLITHIC</u></p> <p><u>Method</u></p> <p>The method to be used shall be either the monolithic method or the bonded method</p> <p><u>Preparation</u></p> <p>For granolithic applied monolithically, the concrete floor shall be swept clean after bleeding of the concrete has ceased and the slab has begun to stiffen; any remaining bleed water shall be removed and the granolithic applied immediately thereafter. For granolithic to be bonded to the floor slab after it has hardened, the slab surface shall be hacked (preferably by mechanical means) until all laitance, dirt, oil, etc is dislodged and swept clean of all loose matter. The slab shall then be wetted and kept damp for at least six hours before applying the granolithic</p> <p><u>Mix</u></p> <p>Granolithic shall attain a compressive strength of at least 41 MPa. The coarse aggregate shall comply with SANS 1083 and shall generally be capable of passing a 10 mm mesh sieve. Where the thickness of the granolithic exceeds 25 mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of the granolithic</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 7 PLASTERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |
| | | | R | |

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| | | | | |
|--|---|--|----------|--|
| | Brought forward | | R | |
| | <p><u>Panels</u></p> <p>Granolithic shall be laid in panels not exceeding 14m² for monolithic finishes, not exceeding 9,5m² for bonded finishes and not exceeding 6m² for all external granolithic. Wherever possible, panels shall be square but at no time should the length of the panel exceed 1,5 times its width</p> <p>Where possible joints between panels shall be positioned over joints in the floor slab and shall be at least 3mm wide through the full thickness of the finish, separated by strips of wood or fibreboard and finished with V-joints</p> <p><u>Laying</u></p> <p>Monolithic granolithic shall be applied to the partially set slab and thoroughly compacted and lightly wood floated to the required levels</p> <p>Bonded granolithic shall be applied to the slab after applying a 1:1 sand-and-cement slurry brushed over the surface and allowed to partially set before applying the granolithic. The granolithic shall be thoroughly compacted and lightly wood floated to the required levels</p> <p>After wood floating, the monolithic and bonded granolithic shall remain undisturbed until bleeding has ceased and the surface has stiffened. Any remaining bleed water and laitance shall then be removed and the surface steel trowelled or power floated</p> <p><u>Curing, seasoning and protection</u></p> <p>Granolithic shall be covered with clean hessian with waterproof building foil over and kept wet for at least seven days after laying</p> <p><u>Colour</u></p> <p>Coloured granolithic shall be tinted with an approved colouring pigment mixed into a true and even colour</p> | | | |
| | Carried forward | | R | |
| | <p>Section No. 1 BUILDINGS Bill No. 7 PLASTERING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |

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| Item No | | Quantity | Rate | Amount |
|---------|--|----------|------|--------|
| | <u>BILL NO 8</u> <u>TILING</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>Fixing</u> Unless described as "fixed with adhesive to plaster (plaster elsewhere)"descriptions of tiling on brick or concrete walls, columns, etc shall be deemed to include 1:4 cement plaster backing and descriptions of tiling on concrete floors etc shall be deemed to include 1:3 plaster bedding Tiling described as "fixed with adhesive on power floated concrete"shall be deemed to include for approved tiling key-coat Ceramic, porcelain, marble and granite tiles are to be fixed and grouted with suitable adhesives and grouts from the "Tal Professional" ("Ceresit Tylon") range of products as recommended by the manufaturer of the tiles <u>FLOOR TILING</u> <u>User note</u> Waterproofing grout is normally used in showers, on balconies, etc. Epoxy grout is used in kitchens, butcheries. etc. Where floors are frequently washed with detergents. <u>400x600x8mm Floor tiles (To match existing) (PC R 108/m2) fixed with adhesive on to screed (Including the treating of screed with bonding liquid) and flush pointed waterproofing grout.</u> | | | |
| 1 | On floors | m2 | 57 | |
| | Carried Forward to Sectional Summary: 1 Section No. 1 BUILDINGS Bill No. 8 TILING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | R | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <p><u>BILL NO 9</u></p> <p><u>PAINTWORK</u></p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>PREPARATORY WORK TO EXISTING WORK</u></p> <p><u>Previously painted plastered surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>Previously painted metal surfaces</u></p> <p>Surfaces shall be thoroughly rubbed and cleaned down. Blistered or peeling paint shall be completely removed down to bare metal</p> <p><u>Previously painted wood surfaces</u></p> <p>Surfaces shall be thoroughly cleaned down. Blistered or peeling paint shall be completely removed and cracks and crevices shall be primed, filled with suitable filler and finished smooth</p> <p><u>PAINT SPECIFICATIONS</u></p> <p>All painting shall be done in accordance with Plascon / Dulux specifications unless otherwise described</p> <p><u>COLOURS</u></p> <p>Unless otherwise described all paintwork shall be deemed to have a colour value in excess of 7 on Munsell system in accordance with SANS 1091</p> <p style="text-align: right;">Carried forward</p> <p>Section No. 1 BUILDINGS Bill No. 9 PAINTWORK PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING</p> | | | |
| | | | R | |

| Brought forward | | | R |
|---|--------------------|----|-----|
| <u>PAINTWORK ETC TO PREVIOUSLY PAINTED WORK</u> <u>ON INTERNAL FLOATED PLASTER SURFACES</u> <u>Two coats premium quality highly washable paint on work in sound condition to match existing. Applied strictly to manufacturer's specification</u> | | | |
| 1 | On walls | m2 | 114 |
| <u>ON EXTERNAL FLOATED PLASTER SURFACES</u> <u>Two coats superior quality acrylic emulsion paint on work in sound condition to match existing (Dulux Wall and All or similar approved)</u> | | | |
| 2 | On external walls | m2 | 64 |
| <u>ON SMOOTH CONCRETE SURFACES</u> <u>One under coat and Two coats premium quality highly washable paint on work in sound condition to match existing. Applied strictly to manufacturer's specification (Plascon or Dulux))</u> | | | |
| 3 | Ceilings and Beams | m2 | 104 |
| Carried Forward to Sectional Summary: 1 | | | R |
| Section No. 1 BUILDINGS Bill No. 9 PAINTWORK PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | | |

| Item No | | Quantity | Rate | Amount |
|---------|---|----------|------|--------|
| | <u>BILL NO 10</u> <u>PROVISIONAL SUM</u> <u>SUPPLEMENTARY PREAMBLES</u> <u>General</u> Work for which budgetary allowances are provided will be measured and valued in accordance with the quantity surveyors assessment and shall be deducted in whole or in part if not required without any compensation for loss or profit on the said allowance Prime cost amounts and provisional sums are net. prime cost amounts include for delivery to site of all articles concerned Provisional sums are for material and equipment supplied and installed complete by firm of specialist Note: These items are to be taken into account in the pricing of Preliminaries and General as they will not attract separate Preliminaries of their own. <u>Profit</u> Where stated, the contractor may allow for profit if required <u>IRRIGATION SYSTEM</u> | | | |
| 1 | Provide the sum of Three Thousand Rand (R 3 000) for taking out the irrigation system and later refit in similar new position. | Item | | |
| | Carried Forward to Sectional Summary: 1 | | R | |
| | Section No. 1 BUILDINGS Bill No. 10 PROVISIONAL SUMS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | | |

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| Bill No | Section No. 1 BUILDINGS <u>SECTION SUMMARY - BUILDINGS</u> | Page No | Amount |
|---------|--|---------|--------|
| 1 | PRELIMINARIES AND GENERAL | 6 | |
| 2 | ALTERATIONS | 10 | |
| 3 | EARTHWORKS | 13 | |
| 4 | CONCRETE, FORMWORK AND REINFORCEMENT | 16 | |
| 5 | MASONRY | 19 | |
| 6 | WATERPROOFING | 21 | |
| 7 | PLASTERING | 24 | |
| 8 | TILING | 25 | |
| 9 | PAINTWORK | 27 | |
| 10 | PROVISIONAL SUMS | 28 | |
| | Carried to Final Summary | | R |
| | Section No. 1 BUILDINGS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | |

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| Section No | FINAL SUMMARY | Page No | | Amount |
|------------|--|---------|-----|--------|
| 1 | BUILDINGS | 29 | | |
| | SUB TOTAL | | R | |
| | CONTINGENCY Allow a contingency of 10% to be used as directed by the Quantity Surveyor. | | SUM | |
| | VALUE ADDED TAX | | R | |
| | Carried to Form of Tender | | R | |
| | PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING | | | |