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
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK - UNDERPINNING

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.

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 BARNARD UNIT 11,BLUE TIDES, TABLE VIEW, WC

Neither late tenders nor faxed tenders will be considered.

NOTES AND SPECIFICATIONS
NOTES TO TENDERERS
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK - UNDERPINNING

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

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

NOTES AND SPECIFICATIONS
NAMES OF PARTIES
PROVISIONAL BILL OF QUANTITIES
NHBRC REMEDIAL WORK - UNDERPINNING

Item No		Quantity	Rate	Amount
	BILL NO 1			
	PRELIMINARIES AND GENERAL			
	NOTES			
	The agreement is to be a "Remedial work contract" that will be signed between the Employer (NHBRC) and Contractor upon acceptance to tender offer			
	Temporary works and plant			
	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.			
	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			
	The contractor shall provide noise and dust control to the approval of the Conciliation Officer			
	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 rubbke free condition			
	Identity of employees			
	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.			
	Carried forward		R	
	Section No. 1 BUILDINGS Bill No. 1 PRELIMINARIES AND GENERAL PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING			

Health and safety The contractor is to comply with all requirements of the Health and Safety Specification Housekeeping and compliance with Conciliation Officer			
Health and Safety Specification			
Housekeeping and compliance with Conciliation Officer			
site rules			
The contractor will be responsible for a high standard of nousekeeping 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			
Norking hours			
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			
PRELIMINARIES AND GENERAL			
All risk insurance			
Allowance for contractor's all risk insurance and all other elevant insurance etc.	Item		
Health and Safety			
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)	ltem		
Associate and of southeast	, itom		
orogress meetings, technical meetings, etc	Item		
Carried forward		R	
Section No. 1 BUILDINGS BIII No. 1 PRELIMINARIES AND GENERAL PROVISIONAL BILL OF QUANTITIES		. `	
	Vorking hours Should the contractor wish to work outside normal vorking hours or at weekends in order to maintain his wilding programme, he shall notify and obtain the approval of the Conciliation Officer before doing so. The lost of this overtime will be for the contractor's account PRELIMINARIES AND GENERAL All risk insurance Allowance for contractor's all risk insurance and all other elevant insurance etc. Health and Safety Allowance for all health and safety requirements as beened 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 (i.e. All work to be in a compliance with the provisions of the OHS Act 85 of 1993 and Regulations (i.e. All work to the contract of the works, programming for the works, progress meetings, technical meetings, etc Carried forward Rection No. 1 BUILDINGS BUILDI	Working hours Should the contractor wish to work outside normal working hours or at weekends in order to maintain his wilding programme, he shall notify and obtain the approval of the Conciliation Officer before doing so. The lost of this overtime will be for the contractor's account PRELIMINARIES AND GENERAL All risk insurance Allowance for contractor's all risk insurance and all other elevant insurance etc. Health and Safety Allowance for all health and safety requirements as leemed 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 (1010) Item Management of contract Management of the works, programming for the works, progress meetings, technical meetings, etc Carried forward Rection No. 1 BUILDINGS BUILDINGS	Vorking hours Should the contractor wish to work outside normal vorking hours or at weekends in order to maintain his uilding programme, he shall notify and obtain the pproval of the Conciliation Officer before doing so. The ost of this overtime will be for the contractor's account PRELIMINARIES AND GENERAL All risk insurance Volowance for contractor's all risk insurance and all other elevant insurance etc. Health and Safety Volowance for all health and safety requirements as eemed necessary for the successful execution of the roject. (i.e. All work to be in a compliance with the rovisions of the OHS Act 85 of 1993 and Regulations 1010) Item Management of contract Management of contract Management of the works, programming for the works, rogress meetings, technical meetings, etc Carried forward R RECLIMINARIES AND GENERAL ROWISIONAL BILL OF QUANTITIES

	Brought forward		R		
	Temporary works and plant				
4	Plant, small tools, equipment, scaffolding etc.				
		Item			
	Temporary Services				
5	Allowance for site establishment and de establishment etc. (Site office, Temporary Portable Toilet, water and				
	electricity etc)	Item			
	Adhere to Estate rules and regulations				
6	Allowance for registration of all workers and access				
	cards etc. to work in the Estate/Complex.	Item			
	Coming Comment to Continue! Comment to				
	Carried Forward to Sectional Summary: 1 Section No. 1		R		
	BUILDINGS Bill No. 1				
	PRELIMINARIES AND GENERAL PROVISIONAL BILL OF QUANTITIES				
	NHBRC REMEDIAL WORK - UNDERPINNING				
		1			I

	Quantity	Rate	Amo
BILL 2			
<u>ALTERATIONS</u>			
SUPPLEMENTARY PREAMBLES			
<u>View site</u>			
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			
<u>Explosives</u>			
No explosives whatsoever may be used for demolition purposes unless otherwise stated			
<u>General</u>			
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			
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			
Carried forward		R	
Section No. 1 BUILDINGS BIII No. 2 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING			

Brought forward	R
cors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before fixing including taking off, easing and rehanging, amping up, re-wedging as required and making good amps, dowels, etc, and easing, oiling, adjusting and pairing ironmongery as necessary, replacing ant glass amaged in removal or subsequently and stopping up I nail and screw holes with tinted plastic wood to atch timber, unless otherwise described. Re-painting re-varnishing is given separately	
rices for taking out of doors, windows, etc shall include or removal of all beads, architraves, ironmongery, etc	
rices for taking out and removing doors and frames hall include for removing door stops, cabin hooks, etc nd making good floor and wall finishes to match xisting	
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	
Making good of finishes shall include making good of the brick and concrete surfaces onto which the new finishes are applied, where necessary	
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)	
All rates includes for carting away demolished material to a dumping site located by the contractor.	
TEMPORARY BARRIERS, SCREENS, ETC	
Carried forward Section No. 1 BUILDINGS Bill No. 2 ALTERATIONS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING	R

	Brought forward			R	
	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	25		
	REMOVAL OF EXISTING WORK	1112			
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.				
2	Cornice from brickwork	m	20		
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc				
3	Remove and prep for new: Laminated / Vinyl flooring	m2	9		
	Taking out and removing sundry joinery work, fittings, etc, setting aside for re-use and later refixing in similar new position				
4	Timber wall cupboard 1000 x 600 x 2600mm high.	m	3		
5	Timber skirtings including quarter round from brickwork	m	12		
	Taking out/off sundry metalwork and setting aside for reuse and later re fix in similar new position				
6	Carefully take out steel 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	8		
	Hacking up/off and removing granolithic, screeds, plaster, etc from concrete or brickwork and preparing surfaces fornew screed, plaster, tile finishes, etc				
7	Average 50mm Screed from slabs including waterproofing	m2	29		
8	Internal plaster from walls	m2	2		
	Carried forward			R	
	Section No. 1 BUILDINGS BIII No. 2 ALTERATIONS PROVISIONAL BILL OF QUANTITIES				
	NHBRC REMEDIAL WORK - UNDERPINNING				

	Brought forward			R	
9	External plaster from walls	m2	1		
	Hacking up/off and removing ceramic tiles includingremoving mortar bed or adhesive from concrete orbrickwork and preparing surfaces for new screed, plaster, tile finish, etc				
10	Tiles to floors	m2	29		
11	Skirting tiles	m	21		
	Sundries				
12	Carefully take out and set aside artificial grass and later re install in similar new position etc.	m2	16		
	MAKING GOOD OF FINISHES ETC				
	Making good internal cement plaster				
13	Walls in patches	m2	2		
	Making good External cement plaster				
14	Walls in patches	m2	1		
	Carried Forward to Sectional Summary: 1			R	
	Section No. 1				
	BUILDINGS Bill No. 2				
	ALTERATIONS PROVISIONAL BILL OF QUANTITIES				
	NHBRC REMEDIAL WORK - UNDERPINNING				

Item No		Quantity	Rate	Amount
	BILL NO 3			
	MASONRY			
	SUPPLEMENTARY PREAMBLES			
	BRICKWORK			
	Sizes in descriptions			
	Blocks are to be either solid or hollow modular dense concrete masonry units having a compressive strength of 7Mpa			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	Hollow walls			
	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			
	<u>User note</u>			
	The following preamble generally applies for works in hot and humid coastal areas			
	Bagged and sealed walls			
	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			
	Carried forward		R	
	Section No. 1 BUILDINGS BIII No. 3 MASONRY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING			

Brought forward	R
Face bricks	
Bricks shall be ordered timeously to obtain uniformity in	
size and colour	
Pointing	
Descriptions of recessed pointing to fair face brickwork	
and	
face brickwork shall be deemed to include square recessed,	
hollow recessed, weathered pointing, etc	
BLOCKWORK	
Concrete masonry units	
Blocks are to be either solid or hollow modular dense	
concrete masonry units having a compressive strength of	
7MPa	
Wall ties for blockwork	
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	
<u>Blockwork</u>	
Blockwork shall comply with SANS 10145 "Concrete	
Masonry Construction"	
Carried forward	R
Section No. 1 BUILDINGS	
Bill No. 3 MASONRY	
PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING	

	Brought forward			R	
	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				
	Standard complementary blocks				
	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				
	DECORATIVE BLOCKS				
	Blocks shall be of approved manufacture, sound, well burnt or cured and uniform and true in size, shape and colour				
	REPAIRING OF CRACKS				
	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)				
1	Saw-cut neatly at least 250mm either side of crack ensuring a square cut with no further edges	m	7		
2	Rake out crack to a depth of 30mm to form a v -groove and fill with Sikadur crack filler and smooth	m	4		
3	Steel diamond mesh (Metal plaster lath) to walls secured with galv. nails @300mm centres	m2	2		
	Carried Forward to Sectional Summary: 1 Section No. 1 BUILDINGS Bill No. 3 MASONRY PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING			R	

Item No		Quantity	Rate	Amount
	BILL NO 4			
	WATERPROOFING			
	SUPPLEMENTARY PREAMBLES			
	BILL NO 3			
	WATERPROOFING			
	SUPPLEMENTARY PREAMBLES			
	Waterproofing			
	Tenderer must attach manufacturer's specification for their waterproofing system			
	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			
	The contractor shall provide a written five (5) years warranty for workmanship, materials and installation from the date of certified completion			
	WATERPROOFING TO ROOFS, BASEMENTS, ETC			
	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			
1	On floors to falls	m2 2	9	
	Carried forward		R	
	Section No. 1 BUILDINGS BIII No. 4 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING		K	

	Brought forward			R	
	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				
2	On top and sides of parapet walls	m2	7		
	PROTECTIVE ROOFING PAINT				
	Two coats bituminous aluminium paint				
3	On waterproofing to roofs	m2	7		
	Carried Forward to Sectional Summary: 1			R	
	Section No. 1 BUILDINGS BIII No. 4 WATERPROOFING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING				

Item No		Quantity	Rate	Amount
	BILL NO 5			
	CEILING, PARTITIONS AND ACCESS FLOORING			
	SUPPLEMENTARY PREAMBLES			
	<u>Fixing</u>			
	Item described as " nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be 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 500mm centres, and where described as "bolted", the bolts have been given elsewhere			
	<u>Ceilings</u>			
	Unless otherwise described ceilings shall be deemed to be horizontal			
	Bulkheads			
	Bulkheads are defined as those portions of ceilings which are stepped down from the general ceiling level in a particular room or area and which generally occur along the perimeter. Their purpose is either to conceal services or to create architectural features			
	Bulkheads have only been described as such where they confirm to the above definition and where the horizontal or vertical dimensions do not exceed 900mm such portions of ceilings have been included in the appropriate general items of the ceilings			
	Unless otherwise described bulkheads shall be deemed to be horizontal along the length			
	Carried forward Section No. 1 BUILDINGS Bill No. 5 CEILINGS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING		R	

	Brought forward		R		
	Steel components				
	All steel components for ceilings, partitions, etc are to be galvanised in accordance with SANS 121				
	<u>User note</u>				
	Circular bulkheads shall be given separately				
	NAILED UP CEILING				
	Polystyrene cornices to ceilings (All to match existing)				
1	Cornice to match excisting m	14			
	Carried Forward to Sectional Summary: 1		R		
	Section No. 1 BUILDINGS				
	Bill No. 5 CEILINGS				
	PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING				

BILL NO 6 FLOOR COVERINGS, PLASTIC LININGS, ETC FLOOR COVERINGS Laminated floor covering (To match existing) On floors (PC amount R 324m2) m2 9	Amount
FLOOR COVERINGS Laminated floor covering (To match existing)	
Laminated floor covering (To match existing)	
1 On floors (PC amount R 324m2) m2 9	
Carried Forward to Sectional Summary: 1	3
Section No. 1 BUILDINGS Bill No. 6 FLOOR COVERINGS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING	

Item No		Quantity	Rate	Amount
	BILL NO 7			
	PLASTERING			
	SUPPLEMENTARY PREAMBLES			
	<u>User Note</u>			
	The following preambles are to be included only whenspecifically required by the principal agent			
	GRANOLITHIC			
	<u>Method</u>			
	The method to be used shall be either the monolithicmethod or the bonded method			
	<u>Preparation</u>			
	For granolithic applied monolithically, the concrete floor shallbe swept clean after bleeding of the concrete has ceasedand the slab has begun to stiffen; any remaining bleed watershall be removed and the granolithic applied immediatelythereafter. For granolithic to be bonded to the floor slab afterit 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. Theslab shall then be wetted and kept damp for at least sixhours before applying the granolithic			
	<u>Mix</u>			
	Granolithic shall attain a compressive strength of at least41MPa. The coarse aggregate shall comply with SANS1083 and shall generally be capable of passing a 10mmmesh sieve. Where the thickness of the granolithic exceeds25mm, the size of the coarse aggregate shall be increased to the maximum size compatible with the thickness of thegranolithic			
	Carried forward		R	
	Section No. 1 BUILDINGS BIII No. 7 PLASTER PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING			

Brough	t forward	R	
<u>Panels</u>			
Granolithic shall be laid in panels not exceeding formonolithic finishes, not exceeding 9,5m² for be finishes and not exceeding 6m² for all external granolithic. Whereverpossible, panels shall be so but at no time should thelength of the panel exceedings its width	onded quare		
Where possible joints between panels shall be positionedover joints in the floor slab and shall be least 3mm widethrough the full thickness of the separated by strips ofwood or fibreboard and fini with V-joints	ïnish,		
Laying			
Monolithic granolithic shall be applied to the part slaband thoroughly compacted and lightly wood to therequired levels			
Bonded granolithic shall be applied to the slab a applyinga 1:1 sand-and-cement slurry brushed confidence and allowed to partially set before applying granolithic. The granolithic shall be throughly confidence and lightly woodfloated to the required levels	ver the ag the		
After wood floating, the monolithic and bonded granolithicshall remain undisturbed until bleeding ceased and thesurface has stiffened. Any remain bleed water andlaitance shall then be removed a surface steeltrowelled or power floated	ning		
Curing, seasoning and protection			
Granolithic shall be covered with clean hessian withwaterproof building foil over and kept wet for sevendays after laying	at least		
Colour			
Coloured granolithic shall be tinted with an approvedcolouring pigment mixed into a true and colour	d even		
Carried fo	prward	R	
Section No. 1 BUILDINGS BIII No. 7 PLASTER PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING			

	Brought forward			R	
	SCREEDS				
	Screeds on concrete				
1	70mm Average thick screed to falls (To be mixed woth Sika Cemflex bonding agent, All as per Eng details)	m2	29		
2	50 x 50mm Triangular fillets against walls, kerbs, etc	m	17		
	EXTERNAL PLASTER				
	Rhinolite				
3	One coat Rhinolite to soffits and ceiling	m2	5		
	Counied Forward to Coetional Commence 4			D	
	Carried Forward to Sectional Summary: 1 Section No. 1			R	
	BUILDINGS Bill No. 7				
	PLASTER PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING				
	Bill No. 7 PLASTER PROVISIONAL BILL OF QUANTITIES				

Item No		Qı	uantity	Rate	Amount	_
	BILL NO 8					
	TILING					
	SUPPLEMENTARY PREAMBLES					
	<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					
	FLOOR TILING					
	<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.					
	450x500x8mm 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.					
1	On floors	m2	29			
	Carried forward Section No. 1			R		
	BUILDINGS Bill No. 8 TILING PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING					

	Brought forward			R	
	450x500x8mm Ceramic 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.				
2	Skirting tiles 100mm high (of cut tiles)	m	22		
	SUNDRIES				
	Aluminium strips				
3	M-Trim Natural Aluminium Straight Tile Edge 12mm x 2.5m CASE120.N	m	14		
	Carried Forward to Sectional Summary: 1 Section No. 1			R	
	BUILDINGS BIII No. 8 TILING				
	PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING				

Item No		Quantity	Rate	Amount
	BILL NO 9			
	<u>PAINTWORK</u>			
	SUPPLEMENTARY PREAMBLES			
	PREPARATORY WORK TO EXISTING WORK			
	Previously painted plastered surfaces			
	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			
	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 suitable filler and finished smooth			
	PAINT SPECIFICATIONS			
	All painting shall be done in accordance with Plascon / Dulux specifications unless otherwise described			
	COLOURS			
	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			
	Carried forward Section No. 1 BUILDINGS BIII No. 9 PAINTWORK PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING		R	

	Brought forward			R	
	PAINTWORK ETC TO PREVIOUSLY PAINTED WORK				
	ON INTERNAL FLOATED PLASTER SURFACES				
	Two coats premium quality highly washable paint on work in sound condition to match existing. Applied strictly to manufacturer's specification (Plascon or Dulux)				
1	On walls	m2	90		
	ON EXTERNAL FLOATED PLASTER SURFACES				
	Two coats superior quality acrylic emulsion paint on work in sound condition to match existing (Dulux Wall and All or similar approved)				
2	On external walls	m2	52		
	ON WOOD SURFACES				
	Prepare and apply one under coat and two coats high quality paint to match existing				
3	Skirting ne 150mm girth	m	12		
	PAINTWORK ETC TO NEW WORK				
	ON SMOOTH CONCRETE SURFACES				
	One undercoat and two coats premium quality highly washable paint to match excisting. Applied strictly to manufacturer's specification (Plascon)				
4	Ceilings and Beams	m2	16		
	Carried Forward to Sectional Summary: 1			R	
	Section No. 1 BUILDINGS Bill No. 9 PAINTWORK PROVISIONAL BILL OF QUANTITIES				
	NHBRC REMEDIAL WORK - UNDERPINNING				

	Quantity	Rate	Amount
BILL NO 10			
PROVISIONAL SUM			
SUPPLEMENTARY PREAMBLES			
<u>General</u>			
Work for which budgetary allowances are provided will be measured and valued in accordance with the quantit 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	у		
Prime cost amounts and provisional sums are net. prim cost amounts include for delivery to site of all articles concerned	e		
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			
BUILT IN CUPBOARDS			
Provide the sum of Two Thousand Five Hundred Rand (R 2 500) for fixing damage back boards etc of BIC	Item		
Carried Forward to Sectional Summary: 1 Section No. 1 BUILDINGS Bill No. 10 PROVISIONAL SUMS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING		R	

	Section No. 1			
	BUILDINGS			
Bill No	SECTION SUMMARY - BUILDINGS	Page No		Amount
1	PRELIMINARIES AND GENERAL	6		
2	ALTERATIONS	10		
3	MASONRY	13		
4	WATERPROOFING	15		
5	CEILINGS	17		
6	FLOOR COVERINGS	18		
7	PLASTER	21		
8	TILING	23		
9	PAINTWORK	25		
10	PROVISIONAL SUMS	26		
	Carried to Final Summary Section No. 1 BUILDINGS PROVISIONAL BILL OF QUANTITIES NHBRC REMEDIAL WORK - UNDERPINNING		R	

	FINAL SUMMARY			
Section No	TIMAL GOMMANT	Page No		Amount
1	BUILDINGS	27		
	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		K	
	NHBRC REMEDIAL WORK - UNDERPINNING			