



<p>BOUNDARY BRICK WALL FENCING AT NEW CANADA FACILITIES DEPOT</p>
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SCOPE, SPECIFICATIONS AND SCHEDULE OF QUANTITIES

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ANNEXURE A: SCHEDULE OF QUANTITIES

OCCUPATIONAL HEALTH AND SAFETY		<u>Unit</u>	<u>QTY</u>	<u>Rate</u>	<u>Amount</u>
<p>The contractor shall comply with all the requirements set out in the Construction Regulations, issued under The Occupational Health & Safety Act no 85 of 1993.</p> <p>Safety file shall be provided by the contractor prior to commencement of work.</p> <p>The contractor shall carry out the works with as little noise and mess as possible. All rubble shall be taken away from site on a daily basis.</p> <p>Note: All designated items should comply with local content threshold.</p>					
<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>					
Price shall include removal and disposal of rubble from site					
Taking out and removing boundary fencing					
1	5400 x 2800mm high wire mesh gate including posts to be transported to New Canada depot, 10km away from site	No.	2	R -	R -
Taking out and removing blinds					
2	800 x 1500mm high	No.	4	R -	R -
3	3500 x 2200mm high	No.	2	R -	R -
4	1400 x 100mm high	No.	1	R -	R -
Carried to final summary					R -
<u>BILL NO 2</u>		<u>Unit</u>	<u>QTY</u>	<u>Rate</u>	<u>Amount</u>
<u>Earthworks (Provisional)</u>					
<u>Supplementary Preambles</u>					

All soil poisoning and insecticide to be applied under a ten year guarantee by an approved firm of specialist

General notes

Fill material shall be placed in lift of not more than 150mm

Compaction density to be controlled using DCP apparatus to a maximum of 30mm/blow 93% MOD AASHTO compaction is to be achieved

Where backfill is required on both sides of walls, backfill both sides simultaneously.

Where compaction of fill material behind retaining walls is done using mechanical rollers, the rollers must be kept 500mm away from the wall and this 500mm portion must be compacted with hand stampers or wackers.

Site clearance

- | | | | | | | | |
|---|---|----------------|-----|---|---|---|---|
| 1 | Remove vegetation, weeds and level site | m ² | 275 | R | - | R | - |
|---|---|----------------|-----|---|---|---|---|

EXCAVATION, FILLING, ETC

Excavation in earth not exceeding 1m deep

- | | | | | | | | |
|---|-------------------------------|----------------|-----|---|---|---|---|
| 2 | Trenches in pickable material | m ³ | 140 | R | - | R | - |
|---|-------------------------------|----------------|-----|---|---|---|---|

Extra over all excavation for carting away

- | | | | | | | | |
|---|---|----------------|----|---|---|---|---|
| 3 | Surplus material from excavation and/or stock piles on site to a dumping site to be located by the contractor | m ³ | 40 | R | - | R | - |
|---|---|----------------|----|---|---|---|---|

Keeping excavation free of water

- | | | | | | | | |
|---|----------------------------------|------|--|---|---|---|---|
| 4 | Keeping excavation free of water | Item | | R | - | R | - |
|---|----------------------------------|------|--|---|---|---|---|

Compaction of surfaces

- | | | | | | | | |
|---|---|----------------|-----|---|---|---|---|
| 5 | Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking | m ² | 275 | R | - | R | - |
|---|---|----------------|-----|---|---|---|---|

	down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density				
	<u>Earth filling obtain from the excavation and/or prescribed stock piles on site compacted to 93% Mod AASHTO density</u>				
6	Backfilling to trenches, holes, etc	m ³	170	R	-
	Carried to final summary				R -
	<u>BILL NO 3</u>	<u>Unit</u>	<u>QTY</u>	<u>Rate</u>	<u>Amount</u>
	<u>Concrete, Formwork and Reinforcement</u>				
	<u>Cost of test:</u>				
	The costs of making, storing and testing of concrete test cubes as required under clause 7, “test” 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 test to the Architects. The testing shall be undertaken by an independent firm or institution nominated by the contractor to the approval of the architect				
	<u>Formwork</u>				
	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.				
	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 newly constructed work is able to support itself.				
	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 excavation, provision for which is made in "Earthworks".						
	<u>CONCRETE WORK</u>						
	<u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u>						
	20MPa/20mm Concrete						
1	Strip footings	m ³	55	R	-	R	-
	TEST BLOCKS						
2	Making and testing 150 x 150 x 150mm concrete strength test cube	No.	1	R	-	R	-
	<u>ROUGH FORMWORK (DEGREE OF ACCURACY III)</u>						
	Rough formwork to sides						
3	Strip footings	m ²	165	R	-	R	-
	Carried to final summary					R	-
	<u>BILL NO 4</u>	<u>Unit</u>	<u>QTY</u>	<u>Rate</u>		<u>Amount</u>	
	<u>MASONRY</u>						
	<u>BRICKWORK</u>						
	<u>FOUNDATIONS (PROVISIONAL)</u>						
	15MPa/20mm concrete						
1	50mm blinding layer	m ³	8	R	-	R	-
	Brickwork of NFP bricks in class II mortar						
2	One brick walls in stretcher bond	m ²	195	R	-	R	-
	SUPERSTRUCTURE						

	64.5MPa NFP clay face brick or similar, size 222 x 106 x 73mm, manufactured in accordance with SANS 227:2007, bedded and jointed in Class I mortar and pointed with flush vertical, flush horizontal joints, with every 6th horizontal joint to be recessed. Brickwork of NFP face bricks in class I mortar						
3	One brick walls in stretcher bond	m ²	770	R	-	R	-
4	One brick wall sided pier/pilaster at 3200mm centers	m ²	120	R	-	R	-
	Brick reinforcement						
5	230mm wide reinforcement built in horizontal	m	3200	R	-	R	-
	Face brick coping						
6	Coping on top of one brick wall	m	275	R	-	R	-
	Striking and Pointing on face brick work						
7	Striking and pointing on face brick work	m ²	1540	R	-	R	-
	MOVEMENT JOINTS, ETC						
	Jointing forming material in movement joints						
8	15mm soft fisher board built in vertical through brick walls	m ²	140	R	-	R	-
	<u>Weep holes</u>						
9	70mm x 440mm long PVC drainage pipes on boundary fence	No.	40	R	-	R	-
	Carried to final summary					R	-
	<u>BILL NO 5</u>	<u>Unit</u>	<u>QTY</u>	<u>Rate</u>		<u>Amount</u>	
	<u>BOUNDARY GATES</u>						

1	<u>Gate specification:</u> Lock post to be 76mm square tube Gate frame to be 76mm square tube Portal 76mm square tube Locking device gate latch BJ 75mm gate wheel 80mm diameter STD gate rail 12mm diameter round bar fixed to 50mm flat bar Gate guide 50mm flat, anti-lift Guide wheel STD rollers Stopper stpr2014_00_00 Base pin 50mm angle iron Anti -lift anti-L-BKT-00-00-00 Mesh Clear view fencing Supply and Install 2.4m high x 5m wide Clearview sliding gate with anti-lift system and heavy duty lock completely with 16mm round bar diameter rail in trenches covered by 30 Mpa concrete as per above specification	No.	1	R	-	R	-
	Carried to final summary					R	-
	<u>BILL NO 6</u> <u>BLINDS</u> Vertical blinds with 90mm slat width, colour to match walls and floor tiling	<u>Unit</u>	<u>QTY</u>	<u>Rate</u>		<u>Amount</u>	
1	Blinds to fit 800mm x 1500mm high opening	No.	4	R	-	R	-
2	Grey blinds to fit 3500 x 2200mm high opening	No.	2	R	-	R	-
3	Grey blinds to fit 1400 x 1000mm high opening	No.	1	R	-	R	-
	Carried to final summary					R	-
	<u>BILL NO 7</u> <u>METAL WORK</u> Metal plates	<u>Unit</u>	<u>QTY</u>	<u>Rate</u>		<u>Amount</u>	
1	sheet metal 5400 x 2400mm high x 5mm thick welded on the existing gate	No.	1	R	-	R	-
	Carried to final summary					R	-
	<u>BILL NO 8</u>	<u>Unit</u>	<u>QTY</u>	<u>Rate</u>		<u>Amount</u>	

ELECTRICAL WORK**Motor gate**

24Vdc electromechanical Heavy Duty gear motor with built in control unit battery charger, base plate, 2 batteries 12v, limit switch cams, 4m rack, 4 remotes, anti-theft brackets and to be equipped with power pack, external receiver and wall mounted console system controlled from the guard room 10m away from the motor gate, etc completely installed and working for gates up to 1200 kg's.

1	No.	1	R	-	R	-
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Electrical cables

2.5mm2 suffix cable in plastic conduits and trenches less than 1m deep

2	m	40	R	-	R	-
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Circuit breakers

20 A single circuit breaker

3	No.	1	R	-	R	-
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ELECTRICAL COMPLIANCE

All work to comply to SANS 10142
Compliance certificate to be provided on completion
Pricing to include all necessary complete connection

4	Item	1	R	-	R	-
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Carried to final summary					R	-
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FINAL SUMMARY***BOUNDARY FENCING AT NEW CANADA FACILITIES DEPOT***

	STATION NAME	PAGE	AMOUNT
1	Alterations	3	R -
2	Earth works	3 to 5	R -
3	Concrete work	5 to 6	R -
4	Masonry	6 to 7	R -
5	Boundary fencing	7 to 8	R -
6	Blinds	8	R -
7	Metal work	8	R -
8	Electrical	8 to 9	R -
SUB TOTAL			R -
ADD VAT @ 15%			R -
TOTAL			R -