

C.2.2.1 : INDEX TO BILL OF QUANTITIES

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INTULO WALK (CBP) TRACK UPGRADE**C.2.2.2 : BILL OF QUANTITIES****SECTION 1 PRELIMINARY AND GENERAL ITEMS****PART 0102 C1.2 GENERAL REQUIREMENTS AND PROVISIONS**

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Health and Safety</u>				
1	C1.2.5.1	Health and Safety plan	Lump sum	1		
2	C1.2.5.2	Implementation of Health and Safety plan	months	4		
		<u>Environmental Management</u>				
3	C1.2.1.1	Monitoring of compliance with and reporting on the EMP	months	4		
		<u>Programming and Reporting</u>				
4	C1.2.2.4	Submission of Full Contract Programme	Lump sum	1		
		<u>Other Documentation</u>				
5	C1.2.2.6	Preparation and submission of all information and reports specified in the Contract Documentation, including reporting on local labour	months	4		
		<u>Stakeholder Management & Liaison (CLO)</u>				
6	C1.2.4 (COTO) C1.2.3	Stakeholder Management and Liaison (CLO)	months	4		
7		Surveying and Setting Out of the Works	PC Sum	30000	1.00	30,000.00
8		Handling Costs and Profit in respect of sub-item 1.0102.7 for Surveying and Setting Out of the Works	%	30000		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES

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PART 0103 C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>The Contractor's General Obligations</u>				
1	C1.3.1.1	Fixed obligations	Lump sum	1		
2	C1.3.1.3 PS.11	Time-related obligations	months	4		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES

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INTULO WALK (CBP) TRACK UPGRADE

SECTION 2 SITE CLEARANCE**PART 0106 C1.6 CLEARING AND GRUBBING**

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C1.6.1.1	Clearing:Clearing with machines and some hand labour where necessary	m2	2000		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES**R**

INTULO WALK (CBP) TRACK UPGRADE

SECTION 3 DRAINAGE**PART 0302 C3.2 CULVERTS**

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Excavation: Pipes</u>				
1	C3.2.1.1(a)	Excavation for culvert structures for pipes: in all material situated within the following depth ranges below the surface level: (a) 0 m to 1,5 m	m3	50		
2	C3.2.1.1(b)	(b) Exceeding 1,5 m and up to 3,0 m	m3	190		
		<u>Backfilling: Pipes</u>				
3	C3.2.2.2(a)	Backfilling: Using imported selected material: (a) From commercial sources (Using granular material) - G7 material or better	m3	150		
4	C3.2.2.2(a)	Backfilling: Using imported selected material:(a) From commercial source(Clean course River Sand)	m3	60		
		<u>Concrete Pipes: Spigot and Socket Type</u>				
5	C3.2.3.2	Concrete pipe culverts, Spigot and Socket: On Class B bedding (600mm diameter concrete pipe Class 100D)	m	110		
		<u>Compaction</u>				
6	C3.2.24.1	Compaction of bedding for inlets, outlets, manholes and catchpits: Preparation and compaction of in situ bedding material to 90 % of MDD (depth 150mm)	m3	20		
7	C3.2.16.2	Brickwork (Engineering bricks): 230 mm thick	m2	30		
8	C3.2.18	Benching	m3	5		
9	C3.2.19.1	Manhole frames (Refer to standard drawing no.38571 & 38572)	no	3		
10	C3.2.19.4	Manhole covers or gratings (Refer to standard drawing no.38571 & 38572)	no	3		
11	C3.2.7.2	Cast in situ concrete and formwork: In complete in situ floor slabs for rectangular culverts, manholes and catchpits including formwork, joints and Class U2 surface finish (class of concrete indicated) (installed at a standard depth of 1,0 m)	m3	5		

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INTULO WALK (CBP) TRACK UPGRADE

Part Continued PART 0302 C3.2 CULVERTS

Item	Clause	Description	Unit	Quantity	Rate	Amount
12	C13.4.9	Manufacturing precast concrete members (Refer to standard drawing no.38576)	no	1		
13	C13.4.11	Transporting and erecting precast concrete members inlet covers and frames	no	1		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES

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INTULO WALK (CBP) TRACK UPGRADE

SECTION 4 BULK EARTHWORKS
PART 0402 C4.2 CUT MATERIALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Excavation to Stockpile or Fill</u>				
1	C4.2.3.1	Excavating of materials in cuttings and stockpile for use in the works, material obtained from: Soft excavation	m3	710		
2	C1.7.1.1	Loading from stockpile using machines and some hand labour where necessary	m3	710		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES
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INTULO WALK (CBP) TRACK UPGRADE

SECTION 5 **KERBING**
PART 0303 C3.3 CONCRETE KERBING AND CHANNELING

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C3.3.2.1,	Prefabricated kerbing, cast in-situ channeling: Type A Barrier Kerb, fig. 12, with 600x50mm concrete base of 25Mpa as per standard Drawing 38577	m	660		
2	C3.3.16	Demolition and removal of existing kerbs and/or channel	m3	20		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES
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INTULO WALK (CBP) TRACK UPGRADE
SECTION 6 LAYERWORKS AND SURFACING
PART 0404 C4.4 COMMERCIAL MATERIALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Import Layerworks</u>				
1	C4.4.2.1(d)	Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers: Pavement layer material:Type G4	m3	190		
2	C4.4.2.1(g)	Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers: Pavement layer material:Type G7	m3	1770		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES
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PART 0502 C5.2 FILL

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C5.2.2.2(b)	Fill construction: Coarse fill material in compacted layer thicknesses exceeding 200 mm:(b) Compacted to 93 % of MDD	m3	2100		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES
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PART 0503 C5.3 ROAD PAVEMENT LAYERS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C5.3.2.1 (c)	(c) Upper selected subgrade layer G7 (300mm in 2 layers of 150mm) compacted to 95 % of MDD	m3	390		
2	C5.3.2.1(k)	(k) Upper subbase gravel layer G4 (unstabilised), (150mm) compacted to 97 % of MDD	m3	200		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES
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PART 1304 C13.4 CONCRETE

Item	Clause	Description	Unit	Quantity	Rate	Amount
		<u>Multi-Cell</u>				
1	PS.12	Supply and install Multi-cell (150mm)	m2	1050		
2	C13.3.3 PS.10	Labour enhanced cast in situ concrete of 20Mpa (19mm stone) - Road : Commercially- Sourced concrete (Rate to include the supply, lay and vibrating of the concrete)	m3	170		
3	C4.3.4.1(a)	Saw-cutting existing materials within the following average depth ranges: Asphalt: (a) Up to 50 mm	m	20		

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INTULO WALK (CBP) TRACK UPGRADEPart Continued **PART** 1304 C13.4 CONCRETE

Item	Clause	Description	Unit	Quantity	Rate	Amount
4	C13.4.9	Manufacturing precast concrete members (1000 x 340 x 170 mm precast concrete step with a concrete strength of 40Mpa)	no	705		
5	C13.4.11	Transporting and erecting precast concrete members (1000 x 340 x 170 mm precast concrete steps)	no	705		
6	C13.4.13	Complete demolition and disposal of existing structural concrete elements or parts of existing structures (Inlets, Manholes, Gabions, Retaining Structures)	m3	10		

TOTAL CARRIED TO C.2.2.3 : SUMMARY OF BILL OF QUANTITIES**R**

INTULO WALK (CBP) TRACK UPGRADE

C.2.2.3 : SUMMARY OF BILL OF QUANTITIES

Section

1	PRELIMINARY AND GENERAL ITEMS		R	_____
0102	C1.2 GENERAL REQUIREMENTS AND PROVISIONS	R	_____	
0103	C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND	R	_____	
2	SITE CLEARANCE		R	_____
0106	C1.6 CLEARING AND GRUBBING	R	_____	
3	DRAINAGE		R	_____
0302	C3.2 CULVERTS	R	_____	
4	BULK EARTHWORKS		R	_____
0402	C4.2 CUT MATERIALS	R	_____	
5	KERBING		R	_____
0303	C3.3 CONCRETE KERBING AND CHANNELING	R	_____	
6	LAYERWORKS AND SURFACING		R	_____
0404	C4.4 COMMERCIAL MATERIALS	R	_____	
0502	C5.2 FILL	R	_____	
0503	C5.3 ROAD PAVEMENT LAYERS	R	_____	
1304	C13.4 CONCRETE	R	_____	
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	SUB TOTAL		R	_____
	ADD VAT (15%) - (only if a registered VAT Vendor)		R	_____
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	TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE (C.1.1)		R	_____