C2.2: BILL OF QUANTITIES

The Bill of Quantities follows and comprises of 18 pages. The pages are numbered BoQ 67 to BoQ 85

C2: Pricing Data Page 66 Document Version 01/07/2025

C.2.2.1: INDEX TO BILL OF QUANTITIES

SECTION 1	PRELIMINARY AND GENERAL ITEMS
PART 0102	C1.2 GENERAL REQUIREMENTS AND PROVISIONS
PART 0103	C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND
17111 0103	
SECTION 2	SITE CLEARANCE
PART 0106	C1.6 CLEARING AND GRUBBING
ion on tox	Charles and Charle
SECTION 3	SERVICES
PART 023A	C2.3A WET SERVICES - SEWERS
PART 023B	C2.3B WET SERVICES - WATER MAINS
CECTION 4	KERBING
SECTION 4	RERDING
PART 0303	C3.3 CONCRETE KERBING AND CHANNELING
SECTION 5	EARTHWORKS
SECTION 3	LAKITIWOKKS
PART 0402	C4.2 CUT MATERIALS
PART 0403	C4.3 EXISTING ROAD MATERIALS
PART 0404	C4.4 COMMERCIAL MATERIALS
PART 0502	C5.2 FILL
SECTION 6	LAYERWORKS AND SURFACING
DEJORION, O	
PART 0404	C4.4 COMMERCIAL MATERIALS
PART 0501	C5.1 ROADBED
PART 0503	C5.3 ROAD PAVEMENT LAYERS
PART 0901	C9.1 ASPHALT LAYERS
PART 1304	C13.4 CONCRETE
SECTION 7	RETAINING WALLS
DI-OXION,	

PART 1206 C12.6 MECH STABILISED FILL AND GABIONS

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
1	C1.2.1.1	Environmental Management Monitoring of compliance with and reporting on the EMP	months	4		
2	C1.2.2.4	Programming and Reporting Submission of a Full Contract Programme	Lump sum	1		
3	C1.2.2.6	Other Documentation Preparation and submission of all information and reports specified in the Contract Documentation, including reporting on local labour	months	4		
4	C1.2.4 (COTO) C1.2.3	Stakeholder Management & Liaison (CLO) Stakeholder Management and Liaison (CLO) Health and Safety	months	4		
5	C1.2.5.1	Health and safety plan	Lump sum	1		
6	C1.2.5.2	Implementation of health and safety plan	months	4		
7		Survey and Setting out	PC Sum	27000	1.00	27,000.00

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

PART 0103 C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND

Item	Clause	Description	Unit	Quantity	Rate	Amount
		The Contractor's General Obligations				
1	C1.3.1.1	Fixed obligations	Lump sum	100000		
2	C1.3.1.3	Time-related obligations	months	4		
3	PS.8	Submission of As-Built Data	sum	1		

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

R

SECTION 2 SITE CLEARANCE

PART 0106 C1.6 CLEARING AND GRUBBING

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Clearing				
1	C1.6.1.1	Clearing with machines and some hand labour where necessary	ha	0.2		
		Removal and grubbing of large trees and tree stumps:				
2	C1.6.3.3	Girth exceeding 3,0 m	no	2		

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

SECTION 3 SERVICES

PART 023A C2.3A WET SERVICES - SEWERS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Raising and lowering existing sewer manholes				
1	C2.3.9.1(a)	Raising manholes: (a) Sewer Concrete Ring manhole (Drawing ref 38570) - 1m Height	по	4		
2	C2.3.9.2(a)	Lowering manholes:(a) Sewer Concrete Ring manhole (Drawing ref 38570) - 1m Height	no	5		

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

R

PART 023B C2.3B WET SERVICES - WATER MAINS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Supply and lay water mains complete with couplings:				
1	C2.3.21.1(a)	State for each water main the pipe material type, class, coupling type and the class of bedding etc.(a) State diameter(RiderMain)	m	250		
		Extra over item C2.3.21 for supplying and fixing water main valves:				
2	C2.3.23.1(a)	State for each water main valve the type, class etc.(a) State diameter	no	3		
		Excavation For Water Mains				
3	C3.2.1.1(a)	Excavation for culvert structures: in all material situated within the following depth ranges below the surface level:(a) 0 m to 1,5 m	m3	230		
		Backfilling For Water Mains				
4	C3.2.2.2(a)	Backfilling: Using imported selected material:(a) From commercial sources (State type)	m3	230		
		Bedding for water mains (Class B and C) and fill blanket compacted to 90 % of MDD (100 % for sand):				
5	C2.3.29.1(e)	Bedding using selected granular material: (e) From commercial sources - Clean Course River Sand	m3	90		

SECTION 4 KERBING

PART 0303 C3.3 CONCRETE KERBING AND CHANNELING

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C3.3.2.1,	Kerb and Channel / Fillet for Roadway Prefabricated kerbing excluding cast insitu channeling: Type B Barrier Kerb, fig. 6, as per Drawing 38577	m	570		

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

SECTION 5 EARTHWORKS

PART 0402 C4.2 CUT MATERIALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Excavation to Stockpile or Fill				
1	C4.2.3.1	Excavating of materials in cuttings for use in the works, material obtained from: Soft excavation	m3	351		
2	C1.7.1.1	Loading from stockpile using machines and some hand labour where necessary	m3	351		
3	C4.2.7-1	Removal of Unsuitable (Undercut) Removal of unsuitable stable cut material to spoil: In layer thicknesses of 200 mm and less	m3	385	3	
4	C4.2.5.1	Designated excavations Excavating of materials in designated excavations, material obtained from:Soft excavation	m3	545		
	04.0.0.1	Spoil	m3	355		
5	C4.2.9.1	Excavate material to spoil in sites designated by the Contractor, material obtained from:Soft excavation, overburden and unsuitable material	1113	333		

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

PART 0403 C4.3 EXISTING ROAD MATERIALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C4.3.4.1(a)	Saw-cut Saw-cutting existing materials within the following average depth ranges: Asphalt: (a) Up to 50 mm	m	10		

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

PART 0404 C4.4 COMMERCIAL MATERIALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	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	500		

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

R

R

 \mathbb{R}

<u>PART</u> 0502 C5.2 FILL

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C5.2.2.1(b)	Fill construction: Normal fill material (G7) in compacted layer thicknesses of 200 mm and less: (b) Compacted to 93 % of MDD	m3	500		

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

R

R

MSINSI AVENUE - WARD 45 GRAVEL TO SURFACE

SECTION 6 LAYERWORKS AND SURFACING

PART 0404 C4.4 COMMERCIAL MATERIALS

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C4.4.2.1(d)	Import Laverworks Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers: Pavement layer material:Type G4	m3	275		
2	C4.4.2.1(e)	Sidewalks Commercial materials identified by the Contractor from commercial, private or other non-commercial suppliers:(for sidewalk) Pavement layer material:Type G4	m3	30		

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

PART 0501 C5.1 ROADBED

Item	Clause	Description	Unit	Quantity	Rate	Amount
1	C5.1.1.2	Roadbed construction and compaction to 95 % of MDD	m3	1280		
2	C5.1.5.1	In-place treatment of roadbed in hard material: by ripping	m3	385		

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

PART 0503 C5.3 ROAD PAVEMENT LAYERS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Processing and Compaction				
1	C5.3.2.1(k)	Construction of layers: Upper subbase (G4) layer compacted to 98 % of MDD	m3	275		
		Sidewalk				
2	C5.3.2.1(m)	Sidewalk selected layer (G4) compacted to 98 % of MDD	m3	30		

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

PART 0901 C9.1 ASPHALT LAYERS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Sidewalk / Median Surface				
1	C9.1.5.1 (e)	New construction Sidewalks (a) Stone skeletal mix – continuously graded (SA-S7) (25mm layer)	m2	290		
2	C8.1.1.2	Prime coat: MC -30 cut-back bitumen. 0.6l/m2	1	175		

PART 0901 C9.1 ASPHALT LAYERS

Item	Clause	Description	Unit	Quantity	Rate	Amount
TOTAL	CARRIED TO	C.2.2.3 : SUMMARY OF BILL OF QUANTIT	IES	R		

PART 1304 C13.4 CONCRETE

Item	Clause	Description	Unit	Quantity	Rate	Amount
1		Supply and install Multi-cell (150mm)	m2	1280		
2	C13.3.3 PS.10	Labour enhanced cast in situ concrete of 30 Mpa (19mm stone) - Road : Commercially- Sourced concrete (Rate to include the supply, lay and vibrating of the concrete)	m3	255		

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

SECTION 7 RETAINING WALLS

PART 1206 C12.6 MECH STABILISED FILL AND GABIONS

Item	Clause	Description	Unit	Quantity	Rate	Amount
		Gabions				
1	C12.6.14.1(b)	Foundation trench excavation: Excavating all material for gabions situated within the following depth ranges (b) Exceeding 1,5 m and up to 3,0 m	m3	125		
2	C12.6.15	Surface preparation for bedding the gabions	m2	250		
3	C12.6.16.2	Polimac and Galfan gabion boxes (2m x 1m x1m) - Rock Unweathered and solid without flaking evident. Baskets to be handpacked in 1/3 heights layers - Baskets to be retensioned per lift. Inclusive of baskets frames if required to maintain line and level without bulging.	m3	350		
4	C12.6.17	Geotextile (Filtertation and separation for use with gabions, min Grade 7) Segmented Block walls (Geolock or similar approved)	m2	270		
5	C12.6.2	Excavation for wall base foundation	m3	30		
6	C12.6.3	Concrete for wall base foundation (25/26)	m3	12		
7	C12.6.7	Metallic reinforcing mesh (Mesh Ref. 245)	m2	75		
8	C12.6.12.2	Facings (Geolock wall as per drawing for wall 0-2m): For concrete block wall facing	m2	80		
9	C12.6.13	Drainage (50mm weepholes installed inclusive of all elements as per drawing)	no	10		
10	C12.6.17	Geotextile (Drainage A3)	m2	75		

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

SECTION 1 PRELIMINARY AND GENERAL ITEMS

PART 0102	C1.2 GENERAL REQUIREMENTS AND PROVISIONS	
PART 0103	C1.3 CONTRACTOR'S SITE ESTABLISHMENT AND	
TOTAL CARRI	ED TO FINAL SUMMARY	

SECTION 2 SITE CLEARANCE

PART 0106	C1.6 CLEARING AND GRUBBING	
TOTAL CARRI	ED TO FINAL SUMMARY	

SECTION 3 SERVICES

PART	023A	C2.3A WET SERVICES - SEWERS	
PART	023B	C2.3B WET SERVICES - WATER MAINS	
TOTAL	. CARRI	ED TO FINAL SUMMARY	

SECTION 4 KERBING

PART 0303	C3.3 CONCRETE KERBING AND CHANNELING	
TOTAL CARRI	ED TO FINAL SUMMARY	

SECTION 5 DRAINAGE

PART 0302	C3.2 CULVERTS	
TOTAL CARR	ED TO FINAL SUMMARY	

SECTION 6 EARTHWORKS

PART	0402	C4.2 CUT MATERIALS	
PART	0403	C4.3 EXISTING ROAD MATERIALS	
PART	0404	C4.4 COMMERCIAL MATERIALS	
PART	0502	C5.2 FILL	

SECTION 7 LAYERWORKS AND SURFACING

PART	0404	C4.4 COMMERCIAL MATERIALS	
PART	0501	C5.1 ROADBED	
PART	0503	C5.3 ROAD PAVEMENT LAYERS	
PART	0901	C9.1 ASPHALT LAYERS	

TOTAL CARRIED TO FORM OF OFFER AND ACCEPTANCE (C.1.1)

C.2.2.3: SUMMARY OF BILL OF QUANTITIES

Sect	tion .		
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	SERVICES		R
	023A C2.3A WET SERVICES - SEWERS	R	_
	023B C2.3B WET SERVICES - WATER MAINS	R	_
4	KERBING		R
	0303 C3.3 CONCRETE KERBING AND CHANNELING	R	
5	EARTHWORKS		R
	0402 C4.2 CUT MATERIALS	R	_
	0403 C4.3 EXISTING ROAD MATERIALS	R	-
	0404 C4.4 COMMERCIAL MATERIALS	R	_
	0502 C5.2 FILL	R	_
6	LAYERWORKS AND SURFACING		R
	0404 C4.4 COMMERCIAL MATERIALS	R	
	0501 C5.1 ROADBED	R	
	0503 C5.3 ROAD PAVEMENT LAYERS	R	
	0901 C9.1 ASPHALT LAYERS	R	_
	1304 C13.4 CONCRETE	R	<u></u>
7	RETAINING WALLS		R
	1206 C12.6 MECH STABILISED FILL AND GABIONS	R	_
SUE	TOTAL	R	
	O VAT (15%) - (only if a registered VAT Vendor)	R	
			_