

PORT ST JOHNS MUNICIPALITY  
CONTRACT No: PSJLM - MIG - 2023/24 – 03  
RHAWUTINI ACCESS ROAD

ITEM NO	PAYMENT	DESCRIPTION	LIC	UNIT	QUANTITY	RATE	AMOUNT
		<b><u>GENERAL REQUIREMENTS AND PROVISIONS</u></b>					
	<b>B12.01</b>	<b>Community Participation</b>					
1.1.1		(a) Payment of expenses/disbursements to the members of the PSC		PC sum	1	35,000.00	35,000.00
1.1.2		(b) Handling costs and profit in respect of sub item B12.01 (a)		%	35,000		
	<b>B12.02</b>	<b>Community Liason Officer (CLO)</b>					
1.1.3		(a) Salary plus expenses incurred by the CLO		Prov sum	1	40,000.00	40,000.00
1.1.4		(b) Security Allowance		Prov sum	1	24,000.00	24,000.00
1.1.5		(c) Handling costs and profit in respect of sub item B12.06 (a)		%	64,000		
	<b>B12.03</b>	<b>Relocation and protecting of Existing services</b>					
1.1.6		(a) Relocation, including lowering or raising, protection and/or repair of existing services as instructed by Engineer		Prov sum	1.00	7,000.00	7,000.00
1.1.7		(b) Contractor's handling costs, profit and all other charges in respects of subitems B12.03(a)		%	7,000		
		(c) Removal and installation of fencing		km	0.40		
	<b>B12.04</b>	<b>Training:</b>					
1.1.8		(a) Structured Training		Prov. Sum	1	R100,000.00	R100,000.00
1.1.9		(b) Non-Structured Training		Prov. Sum	1	R10,000.00	R10,000.00
1.1.10		(c) Contractor's handling costs, profit and all other charges in respects of Subitems B12.04(a) and (b):		%	R110,000.00		
	<b>B12.05</b>	<b>Occupational Health and Safety Requirements</b>					
1.1.11		(a) Preparation of Site Specific OHS plan & file		Sum	1		
1.1.12		(b) Contractor's initial obligations in respect of the OH&S Act and Construction Regulations Government Gazette volume 658 29 April 2020 and. The Department of Employment and Labour Workplace Preparedness: COVID-19 (SARS-CoV-19 virus) document.		Prov.Sum	1	10,000.00	R10,000.00
1.1.13		(c) Contractor's time related obligations in respect OH&S Act and Construction Regulations Government Gazette volume 658 29 April 2020 and. The Department of Employment and Labour Workplace Preparedness: COVID-19 (SARS-CoV-19 virus) document.		month	7		
		(d) Provision of Personal Protective Equipment & Protective clothing					
1.1.14		(i) Reflective vests		No	20		
1.1.15		(ii) Work suits		No	20		
1.1.16		(iii) Hard hats		No	20		
1.1.17		(iv) Protective footwear		No	20		
1.1.18		(v) Earplugs and goggles		No	20		
1.1.19		(vi) Dust masks		No	20		
1.1.20		(vii) Cloth Face Masks for Covid 19(3 person)		No	45		
1.1.21		(viii) Infrared Thermometer(for covid 19 screening)		No	3		
1.1.22		(ix) 70% or more alcoholic sanitiser		No	40		
1.1.23		(e) Provision of full time Construction Health and Safety Officer		Month	7		
1.1.24		(g) Environmental Management Plan Monitoring		Month	0		
1.1.25	<b>B12.06</b>	(a) Allow survey on site as per item B13.0 Prov Sum	$\frac{1}{\%}$	1	300,000	300,000.00	
		(b) charges in respects of Subitems B12.06(a)	$\frac{\%}{1}$	300000			
1.1.27	<b>B12.07</b>	(a) Allow for Civil Engineering Trainee Prov Sum	$\frac{1}{\%}$	1	40,000	40,000.00	
		(b) charges in respects of Subitems B12.07(a)	$\frac{\%}{1}$	40000			
1.1.29	<b>B12.08</b>	(a) Engineers instruction Prov Sum	$\frac{1}{\%}$	1	200,000	200,000.00	
		(b) charges in respects of Subitems B12.08(a)	$\frac{\%}{1}$	200000			

1200			TOTAL CARRIED FORWARD	
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RHAWUTINI ACCESS ROAD

ITEM NO	COLTO	DESCRIPTION	LIC	UNIT	QUANTITY	RATE	AMOUNT
		<u>CONTRACTOR'S ESTABLISHMENT ON SITE</u> <u>AND GENERAL OBLIGATIONS</u>					
	B13.01	The Contractor's general obligations:					
2.1.1		(a) Fixed obligations		lump	1.00		
2.1.2		(b) Value-related obligations		lump	1.00		
2.1.3		(c) Time-related obligations		month	7		
1300		TOTAL CARRIED TO SUMMARY					

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TOTAL BROUGHT FORWARD:							
ITEM No.	PAYMENT	DESCRIPTION	LI	UNIT	QUANTITY	RATE	AMOUNT
	14.04	Car ports					
3.1.18		(a) Carports as specified, at offices and laboratory buildings		No	1		
	14.05	Services:					
		(a) Services at offices and laboratories:					
3.1.19		(i) Fixed costs		lump sum	1		
3.1.20		(ii) Running costs		month	7		
TOTAL BROUGHT FORWARD:							

ITEM No.	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	COLTO	ACCOMMODATION OF TRAFFIC				
	B15.03	Temporary traffic-control facilities				
4.1.1	LI	(a) Flagmen (including equipment)	man-day	264		
4.1.2		(b) Portable STOP and GO-RY signs	No	2		
4.1.3		(j) Traffic cones (750 mm)	No	10		
CARRIED FORWARD TO SUMMARY :						

## SECTION 5: 1600

 PORT ST JOHNS MUNICIPALITY  
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ITEM No.	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>COLTO</b>					
	1600	<b><u>OVERHAUL</u></b>				
5.1		Overhaul on material hauled in excess over 1,0 km	m³-km	51,750.00		
5.1.64	8.3.14	Borrow pits				
5.1.65		a) Obtaining of Borrow Pit Provisional Sums	Sums	1	30,000.00	30,000.00
				30,000.00		
5.1.66		a) Opening up and closing down of designation borrow pit	Prov. Sum	1	30,000.00	30,000.00
5.1.67		b) Dealing with overburden	m³	70		
5.1.67		c) Rehabilitation of borrow	Sum	1	10,000.00	10,000.00
<b>1600</b>		<b>TOTAL CARRIED TO SUMMARY</b>				

ITEM No.	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	COLTO					
	1700	CLEARING AND GRUBBING				
6.1.1	17.01	Clearing and grubbing	ha	6.50		
	17.02	Removal and grubbing of large trees and tree stumps:				
6.1.2	(a)	Girth exceeding 1m up to and including 2m	No	3		
6.1.3	(b)	Girth exceeding 2m up to and including 3m	No	1		
CARRIED FORWARD TO SUMMARY :						



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ITEM No.	PAYMENT	DESCRIPTION		LI	UNIT	QUANTITY	RATE	AMOUNT
	COLTO							
	1900	DAYWORKS (PROVISIONAL)						
	19.01	Personnel during normal working hours						
7.1		(a)	Unskilled labour		hr			Rate Only
7.2		(b)	Semi-skilled labour		hr			Rate Only
7.3		(c)	Skilled labour		hr			Rate Only
7.4		(d)	Ganger		hr			Rate Only
7.5		(e)	Flagman		hr			Rate Only
7.6		(f)	Artisan		hr			Rate Only
	19.02	Plant						
7.7		(a)	Flat bed truck (specify size)		hr			Rate Only
7.8		(b)	Tipper Trucks - 3 to 5 ton capacity		hr			Rate Only
7.9		(c)	Tipper Trucks - more than 5 ton		hr			Rate Only
7.10		(d)	Loader (0,5m³) bucket		hr			Rate Only
7.11		(e)	Backhoe TLB (digger loader)		hr			Rate Only
7.12		(f)	Excavator (20-30 ton)		hr			Rate Only
7.13		(g)	Grader (CAT 140 G or similar)		hr			Rate Only
7.14		(h)	Compactor (Bomag 90 or similar)		hr			Rate Only
7.15		(i)	Water truck (5000 liter)		hr			Rate Only
7.16		(j)	Dozer (D7 or similar))		hr			Rate Only
7.17		(k)	Mechanical broom		hr			Rate Only
7.18		(l)	Tractor-trailor combination (43KW, 3 ton min)		hr			Rate Only
7.19		(m)	Suitable truck/bus for transporting labourers (30 people minimum)		hr			Rate Only
7.20		(n)	Safety vehicle for pre-marking purposes		hr			Rate Only
TOTAL BROUGHT FORWARD:								

## SECTION 6: 1700

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TOTAL BROUGHT FORWARD:								
ITEM No.	PAYMENT	DESCRIPTION		LI	UNIT	QUANTITY	RATE	AMOUNT
7.21	COLTO 1900	(o)	Compressor (air) including hose and tools (specify)		hr			Rate Only
7.22		(p)	Dewatering pump including generators and accessories (specify size)		hr			Rate Only
7.23		(q)	Mobile electric welding sets and accesories (specify size)		hr			Rate Only
7.24		(r )	Cutting torch with mobile electric & oxy acetylene installation		hr			Rate Only
7.25		(s)	Mobile concrete mixers (specify size)		hr			Rate Only
7.26		(t)	Light delivery vehicle (LDV)		hr			Rate Only
7.27		(u)	Centre-mount crane (specify size)		hr			Rate Only
7.28		(v)	Low bed truck (specify size)		hr			Rate Only
7.29		(x)	Bomag Roller		hr			Rate Only
7.30		(y)	Other (specify)		hr			Rate Only
	19.03	Materials						
7.31		(a)	Procurement of materials		ProvSum	1.00	1,000.00	1,000.00
7.32		(b)	Contractor's handling costs, profit and all other charges in respect of subitem B19.03(a)		%	1,000		
CARRIED FORWARD TO SUMMARY :								

ITEM No.	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8.01	COLTO					
	2100	<u>DRAINS</u>				
	21.01	Excavation for open drains:				
		(a) Excavating soft material situated within the following depth ranges below the surface level:				
		(i) 0 m up to 1,5 m	m³	1,750		
8.02		(ii) Exceeding 1,5m up to 3m	m³	750		
		(b) Extra over subitem 21.01(a) for excavation in hard material, irrespective of depth	m³	5		
2100		CARRIED FORWARD TO SUMMARY :				

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ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	2200		SECTION 2200: PREFABRICATED CULVERTS				
	22.01		Excavation:				
9.01		LI	(a) Excavating in soft material with the following depth ranges below the surface level 0m up to 1,5m	m³	194		
9.02			(ii) Exceeding 1,5m and up to 3m	m³	10		
9.03			(iii) Exceeding 3m and up to 4.5m	m³			
9.04			(b) Extra over subitem B22.01(a) for excavation in hard material, irrespective of depth	m³	15		
	22.02		Backfilling:				
9.05		LI	(a) Using excavated material	m³	51		
9.06		LI	(b) Using imported selected material	m³	33		
			(c ) Concrete pipe culverts (On Class C Bedding)				
9.07			(i) 450 mm dia. Type 50D	m			Rate Only
9.08			(ii) 600 mm dia. Type 50D	m	202.50		
9.09			(iii) 750 mm dia. Type 50D	m			Rate Only
9.10			(iv) 900 mm dia. Type 50D	m	30.00		
	22.03		Removing existing concrete				
9.11		(a)	Plain Concrete	m³	0		
9.12		(b)	Reinforced Concrete	m³	0		
			Inlet and Outlet Structures, Skewed ends, Catchpits, Manhole, Thrust and Anchor Blocks, excluding formwork, but not including class U2 surface finish				
			a) Catchpits (complete, as per drawing)	No	32		
			b) Headwalls (complete, as per drawing)	No	32		
			c)Class 25/19MPa concrete	m³	38		
TOTAL BROUGHT FORWARD:							

## SCHEDULE A : ROAD CONSTRUCTION

PORT ST. JOHNS MUNICIPALITY  
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TOTAL BROUGHT FORWARD:							
ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	COLTO						
	2200						
	22.04		Removing and stacking existing prefabricated culverts				
9.13			(i) 450mm dia on Bedding C	m	0		
9.14			(ii) 600mm dia on Bedding C	m	0		
	22.05		Manholes, catchpits, precast inlet and outlet structures complete				
			(a) Manholes: (standard depth: 1.2m)				
9.15		LI	(i) 450mm dia. brick manhole: (As detailed on drawing No.	No			
9.16		LI	(iii) 600mm dia. Stock brick manhole:(As detailed on drawing No.	No	0		
9.17		LI	(iv) 900mm dia. Stock brick manhole:(As detailed on drawing No.	No	0		
			(b) Kerb inlet (standard depth: 1.2m)				
9.18		LI	(i) 450mm dia. kerb inlet (As detailed on drawing No.	No	0		
9.19		LI	(ii) 450mm dia. kerb inlet (Low Point) (As detailed on drawing No.	No	0		
9.20		LI	(iii) 600mm dia. kerb inlet (As detailed on drawing No.	No	0		
9.21		LI	(iii) 750mm dia. kerb inlet (As detailed on drawing No.	No	0		
9.22		LI	(iv) 900mm dia. kerb inlet (As detailed on drawing No.				
			(c) Headwalls				
9.23		LI	(i) 450mm dia. (Normal) (As detailed on drawing No.	No	0		
9.24		LI	(ii) 600mm dia. (Single)	No	0		
9.25		LI	(iii) 600mm dia. (double)	No	0		
9.26		LI	(iii) 900mm dia. (Single)	No	0		
9.27			(iv) 900mm dia. (double)	No.	0		
9.28	22.06		Hand excavation to determine the position of existing services	m³	0		
9.29	22/B16.02		Overhaul on material hauled in excess of 1.0km	m³-km	280		
CARRIED FORWARD TO SUMMARY :							

## SECTION 10: 2300

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ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>COLTO 2300</b>		<b>CONCRETE KERBING, CONCRETE CHANNELLING, CHUTES AND DOWNPIPES, AND CONCRETE LININGS FOR OPEN DRAINS</b>				
	<b>23.01</b>		<b>Concrete kerbing</b>				
			(a) Precast mountable kerbing (figure 8) . complete with concrete screed:				
10.01		LI	(i) Radius exceeding 4m up to 20 m	m	0		Rate Only
			(b) Precast concrete barrier kerbing Figure 3 complete with concrete screed:				
10.02		LI	(i) Radius exceeding 4m up to 20 m	m	0		Rate Only
	<b>23.02</b>		<b>Concrete kerbing channelling combination</b>				
			(a) Precast barrier kerbing Figure 3, complete with precast kerbing Figure 14 channel and concrete backing, for 150mm base course and for curvatures indicated:				
10.03		LI	(i) Radius exceeding 4m up to 20 m	m	0		Rate Only
			(b) Precast mountable kerbing Figure 8, complete with precast kerbing Figure 14 channel and concrete backing,				
10.04			(ii) Radius exceeding 4m up to 20 m	m	0		Rate Only
	<b>23.03</b>		<b>Inlet, outlet, transition and similar structures</b>				
10.05		LI	(a) (i) 1m long transition piece and barrier kerbing and mountable kerb and channel as per Drawing No.	No	0		
10.06		LI	(ii) 1m long transition piece between barrier and channel and edge strip as per Drawing No.	No	0		
10.07		LI	(iii) 1m long transition piece between barrier kerbing and edge strip as per Drawing No.	No	0		
	<b>23.04</b>		<b>Trimming of excavations for concrete-lined open drains</b>				
10.08		LI	(a) In soft material	m <sup>2</sup>	0		
<b>TOTAL BROUGHT FORWARD:</b>							

TOTAL BROUGHT FORWARD:							
ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
10.09	23.04	LI	(b) In hard material	m²	0		
		23.05	Concrete-lined open drains				
10.10	23.05	LI	(a) Cast in situ concrete lining Class 15/19	m³	8		
10.11		LI	(b) Class U2 surface finish to cast in situ concrete as per Drawing No.	m²	0		
		23.06	Formwork to cast in-situ concrete lining for open drains (class F2 surface finish):				
10.12			(a) To sides with formwork on the internal face only	m²	970		
10.13			(b) To sides with formwork on both internal and external faces (each face measured)	m²			
10.14			(c ) To ends of slabs	m²	64		
		23.06	Sealed joints in concrete lignings of open drains				
10.15	23.07		(a) With Flexcell and polysuphide seal, complete	m	350		
			Steel reinforcement				
10.16			(c ) Welded steel fabric (ref 193)	m²	180		
CARRIED FORWARD TO SUMMARY :							

SECTION 11: 3100

PORT ST JOHNS MUNICIPALITY  
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ITEM No.	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		<u>BORROW MATERIALS</u>				
	31.01	Excess overburden	m³	145.00		
	31.03	Finishing-off borrow areas in:				
11.01		(a) Hard material	ha	1.00		
11.02		(b) Intermediate material	ha	1.00		
11.03		(c) Soft material	ha	1.00		
11.04		(d) Stockpiling	m³	1,340.00		
3100	TOTAL CARRIED TO SUMMARY					



## SECTION 12: 3300

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ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	<b>COLTO</b>						
	<b>3300</b>		<b>MASS EARTHWORKS</b>				
	<b>33.01</b>		Cut and borrow to fill, including freehaul up to 1.0km:				
		(a)	Material in compacted layer thickness of 200mm :				
12.01		(ii)	Compacted to 93% of mod AASHTO	m³	920		
		(ii)Cut slopes		m³	13680		
		(iii)Fill slopes		m³	720		
	<b>33.03</b>		Extra over item 33.01 for excavating and breaking down oversize materials in :				
12.02		(a)	Intermedite excavation	m³	60		
12.03		(b)	Hard Excavation	m³	2,800		
	<b>33.04</b>		Cut to spoil, including freehaul up to 1.0km. Material obtained from:				
12.04		(a)	Soft excavation	m³	80		
12.05		( c)	Hard excavation	m³	20		
	<b>33.07</b>		Removal of unsuitable material (including freehaul of 0.5km):				
		(a)	In layer thickness of 200 mm and less:				
12.06		(i)	Stable material	m³	500		
12.07		(ii)	Unstable material	m³	750		
	<b>33.10</b>		Roadbed preparation and the compacti In layer thickness exceeding 150 mm:				
12.08		(b) (i)	Compaction to 93% of modified AASHTO density	m³	7,560		
<b>3300</b>	<b>TOTAL BROUGHT FORWARD:</b>						

ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
13.01	COLTO 3400  34.01		<p>PAVEMENT LAYERS OF GRAVEL MATERIAL</p> <p>Pavement layers constructed from gravel obtained from commercial sources:</p> <p>(a) Gravel selected layer compacted to:</p> <p>(ii) 95% of modified AASHTO density compacted in 150mm layer thickness (G7)</p>	m³	7,020		
CARRIED FORWARD TO SUMMARY :							

**SECTION 14: 5100**

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ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
12.1.2	COLTO						
			<u>PITCHING, STONEWORK AND PROTECTION</u>				
			<u>AGAINST EROSION</u>				
			Stone pitching:				
			125mm Grouted stone pitching	m²	970		
			Erosion Protection				
	51.01		Packed stones across drains	m	64		
CARRIED FORWARD TO SUMMARY :							

ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	COLTO						
		GABIONS					
	52.01	Foundation trench excavation and backfilling:					
	(a)	In solid rock (material which requires blasting)	m³	1			
	(b)	In all other classes of material	m³	1			
12.1.0	52.02	Surface preparation for bedding the gabions	m²	20			
12.1.3	52.03	Gabions:					
	(a)	gabion mattresses, (dimensions)	m³	2.00			
		Using aggregate from commercial sources					
	a) 1m x 1m x 2m		m³	4			
	b) 1.5m x 1m x 2m		m³	6			
	c) Reno mattresses (230mm deep)		m³	4			
		Geotextile (U24 bidim)	m²	80			
							CARRIED FORWARD TO SUMMARY :

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ITEM No.	PAYMENT	LI	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15.1.1	COLTO  59.01		<u>FINISHING THE ROAD AND ROAD RESERVE</u> <u>AND TREATING OLD ROADS</u>  Finishing the road and road reserve: (b) Single-carriageway road	km	6		
CARRIED FORWARD TO SUMMARY :							

ITEM	PAYMENT	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	COLTO 7100	<u>CONCRETE PAVEMENTS</u>				
15.1	71.01	Concrete trial pavement: (a) Manual construction	m²	4.00		
15.2	71.02	Concrete pavement 100mm thick (25MPa) excluding texturing and curing	m³	125		
15.3	71.03	Extra over item 71.02 for concrete pavement requiring hand placing	m²	0		
	71.04	Texturing and curing the concrete pavement:				
15.4		(a) Burlap-dragged and grooved texture	m²	400		
15.5		(b) Curing	m²	300		
	71.06	Joints:				
15.6		(a) Expansion joints complete (excluding dowels)	m	160		
	71.08	Steel reinforcement in concrete pavement:				
15.7		(a) Welded steel fabric ref193	m²	1,000		
7100		CARRIED FORWARD TO SUMMARY				

ITEM NO		DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
		<u>TESTING MATERIALS AND WORKMANSHIP</u>				
	81.02	Other special tests requested by the Engineer:	Prov. Sum	1.00	30,000.00	30,000.00
15.01		(a) Contractors handling cost on item B81,02 above	%	30000.00		
8100		TOTAL CARRIED TO SUMMARY				