DEPARTMENT/ INSITUTION	BID NUMBER & PROJECT DESCRIPTION	CONTACT PERSON
DEPT OF TRANSPORT	ADDENDUM No. 1	TECHNICAL / PROJECT ENQUIRIES
	SCMU10-2425-0004-(A-F)	
	FRAMEWORK AGREEMENTS FOR AD HOC ROUTINE MAINTENANCE WORKS TO VARIOUS PROVINCIAL ROADS IN THE ALFRED NZO, AMATHOLE, CHRIS HANI, JOE GQABI, OR TAMBO & SARA BAARTMAN DISTRICTS OVER A PERIOD OF 3 YEARS	Ms. Z. Zuzile Cell no: 082 576 3984 Email address: <u>zezethu.zuzile@ectransport.go</u> <u>v.za</u> SCM SPECIFIC ENQUIRIES
	REASONS FOR ADDENDUM         This addendum serves to provide clarities on queries raised by several bidders and to provided corrected documents where applicable. This also serves to extend the closing date of the bid.	Mr. Nqikashe Cell no: 067 419 8001 Email address: philasande.Nqikashe@ectransp ort.gov.za
	CLOSING DATE IS EXTENDED TO MONDAY 20 MAY 2024 AT 11:00 AM IN RESPECTIVE DISTRICTS	

NO	QUERY DESCRIPTION	RESPONSE
1	TENDER SUBMISSION	
	Do we need to submit the Volume 3B document with	Volume 3B will form part of the contract for successful bidders
	our submission or are we only at this stage submitting	but needs not be submitted. Tenders must submit volume 3A
	Volume 3A?	together with all returnable schedules.
2	KEY PERSONNEL –	
	Page T1.5 in the document it states that a single H&S	H&S officer can be used on two frameworks if both are in the
	officer can be used on two frameworks if both are in	same district as per Page T1.5. See corrected Paged T2.15
	the same district, but on the bottom of page T2.15 it	attached as annexure 2 Below.
	says that separate Site Agents and OHS Officers are	
	required for each appointment.	The Freedowskie exection Ma Freediliness Desce
6	OR TAMBO DISTRICT EMPLOYER'S AGENT	The Employer's agent is Mr Fundilizwe Ponco
	Contact person and contact details during	Name: Department of Transport
	construction during construction on document uploaded on etender are incorrect.	Address:OR TAMBO Regional Office Cnr Leeds and Owen Street
	uploaded off elender are incorrect.	Mthatha.
		5099
		Tel: 083 397 7143. See Annexure 3
3	BILLS OF QUANTITIES	
Ũ	Kindly assist with the provisional sums for item no.	Sections 1200, and 1900 in all BoQs are updated to include
	B12.01 (a-c).	provisional sums on below attached Annexure 1.
	BoQ's for OR Tambo uploaded on etenders are	Tender document for OR Tambo District with correct BoQ's is
	incorrect	downloadable form ECDOT website. Correct OR Tambo BoQ is
		attached as annexure 4 below.
4	PLANT AND EQUIPMENT	
	Is it necessary to submit additional teams of plant to	The same plant may be used in more than one area for tender
	be considered for more than one framework	purposes. Should a bidder be awarded more than one
	appointment?	framework appointment, a full plant compliment will be
		contractually required in each area awarded.
5	SPECIFIC GOALS	If we are 0.5% block surred there will us and 0.5% w 40 mainte
	How are the preferential specific goal points allocated	If we are 35% black owned, then will we get 35% x 12 points = $4.2$
	with regards to Black ownership and Women ownership?	4.2
	י קוורפוסווושי	
	Is our BBEEE scorecard sufficient proof of black	Black ownership is confirmed in CSD during tender evaluation.
	ownership?	It is expected that bidders maintain updated information on CSD.
7	MULTIPLE BID SUMBISSIONS	Bidders must submit volume 3A for each district which has local
.	Are bidders expected to submit for all local municipal	municipal areas for which the bidder wishes to be considered.
	areas in all districts?	Bidders must indicate on returnable schedule C which LMAs the
		are bidding for.

	black ink the BoQs under the local they wish to be considered as well as
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SECTIONS 1200 AND 1900 TO BE REPLACED ON ALL BILLS OF QUANTITIES

CONTRA	ACT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.01	Community Liaison Officer:				
D12.01	(a) Community Liaison Officer cost	Prov. Sum	1	R126 000,00	R126 000,00
	(b) Monthly transport allowance for CLO for duration of Contract	Prov. Sum	1	R72 000,00	R72 000,00
	(c) Remuneration of PSC representatives from the community to attend official meetings	Prov. Sum	1	R7 200,00	R7 200,00
	(d) Handling costs and charges for Contractor on items B12.01 (a) to (c)	%	R205 200		
B12.05	Protection of Existing Services	Prov. Sum	1	R10 000,00	R10 000,00
B12.06	Handling costs and charges for the Contractor on item B12.05	%	R10 000		
B12.07	Provision of hire of Plant by the Contractor for the Department for emergency work outside of the LMA	Prov. Sum	1	R20 000,00	R20 000,00
B12.08	Handling costs and charges for the Contractor on item B12.07	%	R20 000		
B12.09	Provision of hire of Operators by the Contractor for the Department	Prov. Sum	1	R5 000,00	R5 000,00
B12.10	Handling costs and charges for the Contractor on item B12.09	%	R5 000		
B12.11	Provision of Contract Management to Household Contractors within the LMA	Month	36		
B12.12	Installation of Contract Name Boards	No.	5		
UARRIEL	D FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B1900	DAYWORKS (PROVISIONAL )				
51500					
B19.01	Personnel during normal working hours				
	(a) Unskilled labour	hr	40		
	(b) Semi-skilled labour	hr	10		
	(c) Skilled labour	hr	10		
	(d) Ganger	hr	10		
	(e) Flagman	hr	20		
B19.02	Plant				
	(a) Flat bed truck (specify size)	hr	9		
	(b) Tipper Trucks - 3 to 5 ton capacity	hr	150		
	(c) Tipper Trucks - more than 5 ton	hr	18		
	(d) Loader (0.5m <sup>3</sup> ) bucket	hr	9		
	(e) TLB (digger loader)	hr	150		
	(f) Excavator (20-30 ton)	hr	9		
	(g) Grader (AT 140 G or similar)	hr	18		
	(h) Compactor (Bomag 90 or similar) (i) Water truck (11000 liter)	hr hr	9 9		
	(j) Dozer (D7 or similar))	hr	9		
	(l) Dozer (D7 of similar)) (k) Mechanical broom	hr	9		
	(I) Tractor-trailor combination (43kw, 3 ton minimum)	hr	9		
	(m) Suitable truck/but for transporting labourers (30 people minimum)	hr	9		
	(n) Safety vehicle for pre-marking purposes	hr	9		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	(o) Compressor (air) including hose and tools (specify)	hr	9		
	(p) Dewatering pump including generators and accessories (specify size		9		
	(q) Mobile electric welding sets and accessories (specify size)	hr	9		
	(r) Cutting torch with mobile electic & oxy aceylene installation	hr	9		
	(s) Mobile concrete mixer	hr	9		
	(t) Light delivery vehicle	hr	40		
	(u) Centre-mount crane (specify size)	hr	9		
	(v) Low bed truck (specify size)	km	500		
	(w) Other Specify	hr			
B19.03	Materials				
	(a) Procurement of materials	Prov Sum	1	100 000,00	100 000,00
	(b) Contractor's handling costs, profit and all other charges in respect	- /			
	of subitem B19.03(a)	%	100000		
	FORWARD TO SUMMARY :				1

**UPDATED PAGE T2.15** 

### H: CONTRACTOR'S KEY PERSONNEL & DETAILED CV'S

The Tenderer must state below the key management staff **who are permanently employed by the Tenderer** or who are contractually committed to the tenderer for this contract and who are intended for use on this appointment. Relevant detailed CV's including certificates for qualifications as well as indicating previous experience **must be attached**. Note the **Eligibility** requirements in Clause F.3.8.1.

POSITION	NAME		EXPERIENCE (YRS) URFACED ROADS
Contracts Manager			
minimum 8 years' experience in roads construction /maintenance with NQF 7 Qualification in Civil Engineering			
Site Agent 1			
minimum 5 years' experience in roads construction /maintenance with Civil Engineering Qualification and NQF 5 qualification in LIC Site Agent 2			
minimum 5 years' experience			
in roads construction /maintenance with Civil Engineering Qualification and NQF 5 qualification in LIC			
Additional Site Agents			
POSITION	NAME	Registration No. with SACPCMP as CHSO	No. of years worked on roads construction /maintenance contracts.
Safety Officer 1			
minimum 3 years' experience in roads construction /maintenance			
Safety Officer 2			
minimum 3 years' experience in roads construction /maintenance			
Additional OHS Officers			

Should the Tenderer wish to be awarded more than one Framework Appointment, separate Site Agents are required for each appointment, and one OHS Officer may be used in two appointments, if appointments are in the same district.

#### SIGNED ON BEHALF OF THE TENDERER:

.....

CORRECTED PAGE T1.5 FOR OR TAMBO TENDER DOCUMENT

3	F.1.4	The Employer's agent is Mr Fundilizwe Ponco
Ũ		Name: Department of Transport
		Address: OR TAMBO Regional Office
		Cnr Leeds and Owen Street
		Mthatha,
		5099
		Tel: 083 397 7143
4	F.1.5.1	The employer may accept or reject any variation, deviation, tender offer, or alternative tender offer, and may cancel the tender process and reject all tender offers at any time before the formation of an Agreement. The employer shall not accept or incur any liability to a tenderer for such cancellation and rejection but will give written reasons for such action upon written request to do so.
		Tenderers may tender for one or more of the 5 Local Municipal Areas Framework Agreements. All tenders will be scored separately per Framework Agreement. The following five LMA framework agreements are incorporated in this document and separate Bills of quantities have been included for each LMA and only one set of returnables are included and will be used for evaluation. The Tenderer is to clearly indicate in the returnable section of this document, which framework agreement/s (LMA's) they are tendering on as follows:
		OR TAMBO District
		A) King Sabata Dalindyebo
		A) Ingquza Hill
		B) Mhlontlo
		C) Nyandeni D) Port St Johns
		A minimum of one and maximum of four eligible Contractors will be appointed via Framework Agreement for each LMA. Once contractors are awarded into the Framework, work assignments will be issued in packages. Works assignments will be allocated for a maximum duration of 12 months at a time. The maximum value of Work Assignments which can be awarded to any one contractor in terms of this agreement shall not exceed the maximum amount allowed per annum based on the Contractors CIDB Grading inclusive of VAT. Requests for quotations detailing scope of works will be issued to ALL contractors appointed in an LMA. The RFQ's will provide an accurate scope of works with real quantities which will allow for more accurate pricing. Contractors may price lower than the originally tendered Framework rates but may not offer rates higher than those originally offered in this Framework Agreement. Work packages will be issued to the highest point scorer and on a rotation basis, meaning that works packages will be awarded to the highest point scorer who has not yet been awarded a works package in that round of rotation.
		Tenderers should note that this forms part of a batch of tenders for appointments in various LMA's in the Six Districts in the Eastern Cape. Where it is found that a specific tenderer is eligible for the appointment of more than one Framework Agreement, the employer reserves the right not to appoint a contractor on more than two framework agreements in the Eastern Cape. Additional Suitable <u>Site Agents</u> will be required on each separate Framework agreements are in the same District. The Employer further reserves the right not to any contractor based on a risk assessment of the current workload or past performance of that contractor.
		If a tendering entity is found acceptable to be appointed on multiple framework agreements, the Department reserves the right to decide which two framework agreements are the most feasible to award to that tendering entity.

## OR TAMBO DISTRICT BILL OF QUANTITIES

### **PROVINCE OF THE EASTERN CAPE**

### DEPARTMENT OF TRANSPORT

### TENDER NO. SCMU10-24/25-0004E

## FRAMEWORK AGREEMENTS FOR AD HOC ROUTINE MAINTENANCE WORKS TO VARIOUS PROVINCIAL ROADS IN THE OR TAMBO DISTRICT OVER A PERIOD OF 3 YEARS

**C2.2: BILL OF QUANTITIES** 

A: MAINTENANCE WORKS IN KING SABATA DALINDYEBO

CONTRA	CT NO SCMU10-24/25-0004 (A-F)	1	1		
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.01	Community Liaison Officer:				
	(a) Community Liaison Officer cost	Prov. Sum	1	R126 000,00	R126 000,00
	(b) Monthly transport allowance for CLO for duration of Contract	Prov. Sum	1	R72 000,00	R72 000,00
	(c) Remuneration of PSC representatives from the community to attend	Prov. Sum	1	R7 200,00	R7 200,00
	official meetings (d) Handling costs and charges for Contractor on items B12.01 (a) to (c)	%	R205 200		
		/0	11203 200		
B12.05	Protection of Existing Services	Prov. Sum	1	R10 000,00	R10 000,00
B12.06	Handling costs and charges for the Contractor on item B12.05	%	R10 000		
B12.07	Provision of hire of Plant by the Contractor for the Department for	Prov. Sum	1	R20 000,00	R20 000,00
	emergency work outside of the LMA				
B12.08	Handling costs and charges for the Contractor on item B12.07	%	R20 000		
B12.09	Provision of hire of Operators by the Contractor for the Department	Prov. Sum	1	R5 000,00	R5 000,00
B12.10	Handling costs and charges for the Contractor on item B12.09	%	R5 000		
B12.11	Provision of Contract Management to Household Contractors	Month	36		
D12.11	within the LMA	Monun	30		
B12.12	Installation of Contract Name Boards	No.	5		
JARRIED	) FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)	1	,		1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL				
	OBLIGATIONS				
13.01	The contractor's general obligations:				
13.01	The contractor's general obligations.				
	(b) Value-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	%	R 3 000 000		
	(ii) R2.0 - R4.0 mil	%	R 6 000 000		
	(iii) R4.0mil - R6.0 mil	%	R 11 000 000		
	(iv) Greater than R6.0 mil	%	R 14 000 000		
	(c) Time-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	Month	3		
	(ii) R2.0 - R4.0 mil	Month	3		
	(iii) R4.0mil - R6.0 mil	Month	12		
	(iv) Greater than R6.0 mil	Month	12		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
317.01	Clearing and grubbing	ha	66		
317.02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 0,5m up to and including 1m	No	50		
	(b) Girth exceeding 1m up to and including 2m	No	220		
	(c) Girth exceeding 2m up to and including 3m	No	44		
7,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m²	10800		
17.05					
317.05	Cleaning out of hydraulic structures	-			
	(a) Pipes with an internal diameter up to and including 750mm	m <sup>3</sup>	1080		
	(b) Pipes with an internal diameter exceeding 750mm	3	108		
	(c) Box culverts up to and including 1.5m internal vertical dimension	m <sup>3</sup>	108		
317.08	Removal of undesirable vegetation	m²	66000		
317.09	Shredding of vegetation cuttings in situ	m³	66,0		
511.03	שוויכעמווע טו זכעבומוטוו לעונוועט ווו שונע	1112	00,0		
7/16.02	Overhaul on material hauled in excess of 1.0km (ordinary		-		
~~~~~	overhaul)	m³-km	660		
217 10	Clearing and grubbing nerrow string	<b>m</b> <sup>2</sup>	100		
317.10	Clearing and grubbing narrow strips	m²	100		
			+		

	CT NO SCMU10-24/25-0004 (A-F)		1			
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
31800	COLLECTION AND REMOVAL OF DEBRIS AND LITTER					
318.01	Clearing of the road reserve					
	(a) Trunk and Main roads (30m wide road reserve)	km	1320			
	(b) District roads (25m wide road reserve)	km	1320			
18.02	Replacing of damaged facilities					
10.02	(a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
10.02	Treatment of evicting concrete root area furniture					
18.03	Treatment of existing concrete rest area furniture (a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
318.04	Treatment of existing concrete bridge balustrades					
	(a) Balustrades	m²	810			
18.05	Cleaning of Rest Areas as well as removal of litter					
	(a) Within 50km from main Site Camp	No	9			
	(b) Between 50 km and 150 km from main Site Camp	No	9			
	(c) Further than 150 km from main Site Camp	No	9			
			_			
					-	
			1 1			
-	FORWARD TO SUMMARY :	•	· · · ·			

	CT NO SCMU10-24/25-0004 (A-F)		1		
ITEMNO	DESCRIPTION	UNIT	QUANTITY	RATE	AMDUNT
B1900	DAYWORKS (PROVISIONAL)				
210.01					
B19.01	Personnel during normal working hours				
	(a) Unskilled labour	hr	40		
	(b) Semi-skilled labour	hr	10		
	(c) Skilled labour	hr	10		
	(d) Ganger	hr	10		
	(e) Flagman	hr	20		
B40.02	Diant				
B19.02	Plant (a) Flat bed truck (specify size)	hr	9		
	(b) Tipper Trucks - 3 to 5 ton capacity	hr	150		
	(c) Tipper Trucks - more than 5 ton	hr	18		
	(d) Loader (0.5m <sup>3</sup> ) bucket	hr	9		
	(e) TLB (digger loader)	hr	150		
	(f) Excavator (20-30 ton)	hr	9		
	(g) Grader (AT 140 G or similar)	hr	18		
	(h) Compactor (Bomag 90 or similar)	hr	9		
	(i) Water truck (11000 liter)	hr	9		
	(j) Dozer (D7 or similar))	hr	9		
	(k) Mechanical broom	hr	9		
	(I) Tractor-trailor combination (43kw, 3 ton minimum)	hr	9		
	(m) Suitable truck/but for transporting labourers (30 people minimum)	hr	9		
	(n) Safety vehicle for pre-marking purposes	hr	9		
	<ul> <li>(o) Compressor (air) including hose and tools (specify)</li> <li>(p) Dewatering pump including generators and accessories (specify size)</li> </ul>	hr hr	9		
	<ul> <li>(q) Mobile electric welding sets and accessories (specify size)</li> </ul>	hr	9		
	(r) Cutting torch with mobile electic & oxy aceylene installation	hr	9		
	(s) Mobile concrete mixer	hr	9		
	(t) Light delivery vehicle	hr	40		
	(u) Centre-mount crane (specify size)	hr	9		
	(v) Low bed truck (specify size)	km	500		
	(w) Other Specify	hr			
B19.03	Materials				
	(a) Procurement of materials	Prov Sum	1	100 000,00	100 000,0
	(b) Contractor's handling costs, profit and all other charges in respect				
	of subitem B19.03(a)	%	100000		
	1				L

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0400	22.112				
2100	DRAINS				
B21.01	Excavation of open drains				
	(a) Excavating soft material situated within the following depth ranges				
	below the surface level				
	(i) 0m up to 1,5m	m³	2700		
	(b) Extra over subitem B21.01(a) for excavation in hard material,		_		
	irrespective of depth	m <sup>3</sup>	5		
B21.02	Clearing and shaping existing open drains	M3	1080		
21,05	Banks and dykes	m³	-		Rate Onl
04.45			400		
21,15	Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul)	m³-km	432		
	(normal overhau)				
21,16	Backfilling existing eroded side drains	m³	200		
04.47		N.			
21,17	Test flushing of pipe subsoil drains	No	2		
B21.18	Clearing of concrete drainage channels				
	(a) Side drains, median drains and the like	m²	8800		
	(c) Other drains and channels within the following invert ranges				
	(i) less than 1.0m	m²	4400		
	(ii) 1.0m to 2.0m	m²	4400		
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density	m <sup>3</sup>	200		
B21.20	Clearing and shaping side and mitre drains by road grader	m	350		
B21.21	Exposing of existing subsoil drains	m <sup>3</sup>	5		
B21.22	Clearing of subsoil drains	m	500		
B21.03	Excavation in all material for subsurface drains				
	(i) Om up to 1.5m	m³	100		
B21.04	Impermeable backfill to subsoil drainage system	m³	150		
<b>DO1 00</b>			450		
B21.06	Natural permeable backfill (19mm Crushed stone) from approved sources on site	m <sup>3</sup>	150		
B21.07	Coarse sand from approved sources on site	m³	50		
B21.08	Pipes in subsoil drainage systems:				
	(a) Perforated pitchfibre pipe (150mm)	m	500		
	(b) Non perforated pitchfibre pipe (150mm)	m	500		
B21.10	Grade 2 Geotextile	m²	750		
<b>Da</b> 4 4 <b>a</b>					
B21.12	Concrete outlet structures	Nie	40		
	(a) Outlet structures	No	10		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
2200					
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges				
	below the level surface level (i) Om up to 1,5m	m <sup>3</sup>	30		
	(ii) Exceeding 1,5m and up to 3,0m	m <sup>3</sup>	10		
	(b) Extra over subitem 22.01(a) for excavation in hard material,				-
	irrespective of depth	m <sup>3</sup>	5		-
22,02	Backfilling				
	(a) Using the excavated material (b) Using imported selected material	m <sup>3</sup>	30 10		
	(c) Extra over subitem 22.02(a) and (b) for soil cement backfilling	m <sup>3</sup>	10		
					-
22,03	Concrete pipe culvert				
	(c) On Class B bedding				
	(i) 600 mm dia class 100D	m	0 30		
	(ii) 900 mm dia class 100D	m	30		
22,05	Portal and rectangular culverts				
	(a) complete with prefabricated floor slab				
	(i) 1200x1200 class 150S or equivalent	m	100		
	(ii) 1500x1500 class 150S or equivalent	m	100		
	(iii) 1800x1800 class 150S or equivalent (iv) 2100x2100 class 150S or equivalent	m	100		
	(v) 2400x2400 class 150S or equivalent (v) 2400x2400 class 150S or equivalent	m	100		
		m	100		
22,07	Cast in situ concrete and formwork				
	(a) In Class A bedding, screeds and encasing of pipes, Class 25/19 concrete	m <sup>3</sup>	10		
	(b) In Floor Slabs for Portal Culverts, Including formwork, joints and class U2				
	surface finish (Class 30/19mm Concrete)	m <sup>3</sup>	300,00		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including class				
	U2 surface finish ( 25MPa / 19)	m <sup>3</sup>	378		
	(d) Formwork for concrete under subitem 22.07(a & c) above	m²	2008		
22,10	Steel reinforcement	-	6.4		-
	(b) High tensile steel (c) Welded mesh	t kg	6,1 6640		
		Ng	0040		
22,13	Removing and re-laying existing pipes				
	(i) 600 mm	m	14		
22,14	Removing and disposing of existing pipes	m	14		
22,25	Overhaul on excavated material as described, in excess of the	m³-km	40		
	free haul distance of 1.0 km				
					-

	CT NO SCMU10-24/25-0004 (A-F)				1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	ASPHALT AND CONCRETE BERMS				
	Asphalt berms:				
	(a) Placed where there are no guardrails (Cold premix)	m	220		
	(b) Placed at existing guardrails (Cold premix)	m	220		
4,03	Prime and tack coats:				
	(a) Prime coat:				
	(i) Under asphalt berms (MC-30 cutback bitumen)	m²	92		
	(b) Tack coat	m²	92		

	CT NO SCMU10-24/25-0004 (A-F)				AMOUNT
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	BORROW MATERIALS				
1,01	Excess overburden (provisional)	m <sup>3</sup>	300		
1,03	Finishing-off borrow areas	ha	0,3		

	CT NO SCMU10-24/25-0004 (A-F)		QUANTITY	DATE	
EM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	SELECTIONS, STOCKPILING AND BREAKING-DOWN THE				
	MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING				
	PAVEMENT LAYERS, AND PLACING AND COMPACTING				
	THE GRAVEL LAYERS				
2,01	Providing a crushing and / or screening plant:				
,	(a) Single-stage crusher	No	3		
2,02	Re-erecting the crushing and / or screening plant:				
2,02	(a) Single-stage crusher	No	1		
2,03	Crushing and screening: (a) Single-stage crushing (-53)	m <sup>3</sup>	500		
2,05	Additional normal grid rolling (Normal - min of 4 passes)	m <sup>3</sup>	200		
2,06	Stockpiling of material (for use by department)	m <sup>3</sup>	500		
	FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	MASS EARTHWORKS				
3,01	Cut and borrow to fill, including freehaul up to 1,0 km:				
	(a) Material in compacted layer thickness of 200mm and less :				
	(ii) Compacted to 93% of mod AASHTO	m <sup>3</sup>	300		
3,03	Extra over item 33.01 for excavating and breaking down				
0,00	materials in :				
	(a) Intermediate Excavation	m <sup>3</sup>	250		
	(b) Hard Excavation	m <sup>3</sup>	250		
			230		
3,04	Cut to spoil, including free haul up to 1.0km. Material obtained				
	from :		100		
	(a) Soft excavation	m <sup>3</sup>			
	(b) Intermediate excavation	m <sup>3</sup>	100		
	(c) Hard Excavation	m <sup>3</sup>	100		
3/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	1200		
			-		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
D24.04	Devenuent lavore constructed from available from out of				
B34.01	Pavement layers constructed from gravel taken from cut or				
	borrow including free haul up to 1,0km				
	(h) Gravel wearing course compacted to	3	4.405		
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m <sup>3</sup>	1425		
	(iii) 95% Mos AASHTO Density 150mm using crushed material	m <sup>3</sup>	500		
34,02	Extra over item 34.01 for excavation of material in				
	(a) Intermediate material	m³	500		
24.07	Every aver for temporarily blading the material to windraw		50		
34,07	Extra over for temporarily blading the material to windrow	m <sup>3</sup>	50		
B34.14	Wet blading				
	(a) 6m road width (riding surface)	km	25		
	(b) 7m road width (riding surface)	km	25		
B34.15	Dry blading				
	(a) 6m road width (riding surface)	km	30		
	(b) 7m road width (riding surface)	km	20		
B34.16	Accessibility grading				
	(a) 6m road width (riding surface)	km	20		
	(b) 7m road width (riding surface)	km	-		Rate Only
B34.17	Special grading				
004.17	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII	<u>_</u>		
B34.18	Reshaping				
	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
B34.19	Heavy Maintenance				
004.10	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII	<u>_</u>		
B34.20	Gravel Patching				
	(a) Material from Borrow Pits	m³	500		
B34.21	Light Road Bed Preparation				
	(a) 6m road width	km	1		
	(b) 7m road width	km	1		
B34.22	Heavy Road Bed Preparation				
	(a) 6m road width	km	-		Rate Only
	(b) 7m road width	km	1		
B34.23	Gravel shoulder renair				
۵34.23	Gravel shoulder repair	L			
	(a) Ripping, watering, mixing, placing and compacting existing shoulders 95% Mod AASHTO density	to m <sup>3</sup>	880		
	(b) Extra over subitem (a) for adding extra material (free haul)	m <sup>3</sup>	220		
	(c) Extra over for subitem (a) for stabilizing material	m <sup>3</sup>	55		
B34.24	Removal of edge build-up				
	(a) Remove material and load for spoil	km	88		
	(b) Remove material and dispose of adjacent to road	km	176		
34/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	5775		
	Regravelling in short lengths up to 300m	m <sup>3</sup>	7500		
B34.26					

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3900	PATCHING AND REPAIRING EDGE BREAKS				
39,01	Sawing asphalt or cemented pavement layers for patching:				
	(a) Sawing asphalt to an average depth:		22000		
	(i) not exceeding 50mm	m	22000		
	BASE AND SURFACE REPAIR - PO3				
39,02	Excavation in existing pavements for patching in:		000		
	(a) Asphalt layers (b) Cemented layers	m³ m³	308		Rate On
	(c) Crushed stone base course	m <sup>3</sup>	1320		Nate Off
B39.03	Backfilling of excavations for patching with:				
	(a) Existing Base material stabilized with bituminous emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted base and ordinary cement	; 			
	@ 1% by mass of compacted base), for a patch with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	264		
	(iii Exceeding 100m <sup>2</sup>	m <sup>3</sup>	396		
	(b) G2 Base course material from commercial sources with bituminous				
	emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted				
	base and ordinary cement @ 1% by mass of compacted base), for a patch				
	with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	198		
	(iii Exceeding 100m <sup>2</sup>	m³	79		
	(c) G2 Base course material from Commercial Sources				
	(i) Not exceeding 5m <sup>2</sup>	m³	20		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	50		
	(iii Exceeding 100m <sup>2</sup>	m³	80		
	(d) Existing Base material stabilized with ordinary cement 2% by mass				
	for a patch with a surface area:	m³	20		
	(i) Not exceeding 50m <sup>2</sup> (ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iv Exceeding 150m <sup>2</sup>	m <sup>3</sup>	80		
B39.06	Tack coat (60% stable grade emulsion)	I	6160		
B39.07	Cold premix (applied 35 mm thick)				
D39.07	(a) Not exceeding 50m <sup>2</sup>	m²	1760		
	(b) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	2640		
	(c) Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	 m²	2640		
B39.08	Hot premix (applied 35 mm thick)				
	(a) Not exceeding 5m <sup>2</sup>	m²	88		
	(b) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	176		
	(c) Exceeding 100m <sup>2</sup>	m²	264		
B39.09	Temporary pothole repair (Not exceeding 1000mm x 1000mm) using				
200.00	(a) Cold premix	m³	440		
	(b) C4 (stabilised) material	m³	44		
			<u> </u>		
			+		
	D FORWARD TO SUMMARY :		1 1		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4400	PRIME COAT				
4100					
41,01	Prime coat:				
-	(a) RTH 3/12P or RTL 3/12P tar prime	I	10		
	(b) Quick drying RTH 1/4P tar prime	I	10		
	(c) MC-30 cut-back bitumen	1	1000		
	(d) MC-70 cut-back bitumen	I	10		
	(e) Invert bitumen emulsion	I	10		
	(f) MC - 30 SP	I	10		
			-		
			-		
CARRIED	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4600	BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)				
4000	bituminous single seal with sloket (Care seal)				
46,02	Bituminious single seal with 13.2mm aggregate and slurry:	m²	1000		
46,03	Bituminious binder variations:				
	(c) MC-3000 cut back bitumen	1	-		Rate Onl
	(f) Spray grade emulsion (65% bitumen content)	1	-		Rate Onl
46,04	Aggregate variations:				
	(a) 13.2mm nominal sized aggregate	m³	-		Rate Onl
46,05	Variation in the rate of application of the slurry:	m³	-		Rate Onl
CARRIED	FORWARD TO SUMMARY :				

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	KATE	AMOUNT
1000					
800					
	EXHIBITING CERTAIN DEFECTS				
	POTHOLE REPAIR - P01				
8 / 39.01	Sawing asphalt or cemented pavement layers for patching (a) Sawing asphalt to an average depth : (provisional sum)				
	(i) not exceeding 50 mm	m	11000		
8/39.02	Excavation in existing pavements for patching in				
i0/33.02	(c) Bituminous seal layers	m <sup>3</sup>	154		
18/B39.06	Tack Coat (60% spray grade emulsion)	<u> </u>	3080		
48/B39.07	Cold premix 35 mm thick	m²	4400		
	SLACK AND DEPRESSION REPAIR - PO2				
348.04	Screed of asphalt or coarse slurry :		400		
	<ul> <li>(a) Tack coat using 60% anionic emulsion diluted 50/50 with water</li> <li>(b) Continuously - graded medium mixture asphalt</li> </ul>	I	400 5		
	(c) Coarse grade slurry	t m <sup>3</sup>	10		
	(d) Chip out 500mm by 35 mm strip	m²	200		
	CRACK SEALING - PO4				
48,06	Cleaning the cracks with compressed air	km	5		
10.07	Applying bitumineus binders and barbisides for cooling product				
48,07	Applying bituminous binders and herbicides for sealing cracks: (a) Herbicide		500		
		1	500		
348.14	Geotextile seal bandage				
	(a) Cracks and joints - 200 mm wide geotextile strip	m	100		
	(b) Cracked areas - geotextile				
	(i) Not exceeding 50m <sup>2</sup>	m²	100		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	200		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	300		
	(iv Exceeding 150m <sup>2</sup>	m²	400		
348.15	Crack sealing using Method 1 (sealant and crusher dust)	I	500		
	EDGE REPAIRS - PO5				
18/39.05	Cutting back the edges of the existing surface for repairing of				
	edge breaks ( avg depth = 80 mm )	m	4400		
249.05	Penairing adap brooks in surfacing				
348.05	Repairing edge breaks in surfacing		004		
	<ul> <li>(a) Tack coat - 60% Anionic spray grade emulsion diluted 50/50 with water</li> <li>(c) Reconstructing edges using cold premix</li> </ul>	I	924		
	SLURRY SEAL TREATMENT - PO6				
348.03	Slurry seal				
	(a) Tack coat using 30% bitumen emulsion	1	25256		
	(b) Slurry applied by hand (coarse grade slurry)	- 2	000		
	(i) Not exceeding 50m <sup>2</sup>	m <sup>2</sup>	880		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>2</sup>	4400		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m <sup>2</sup>	8800		
	(iv Exceeding 150m <sup>2</sup>	m²	22000		

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	NATE	AMOUNT
100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
1.01	Otana nitahina				
1,01	Stone pitching (b) Grouted stone pitching (Max 300mm width)	m²	100		
	(c) Grouted stone pitching (Max Soonin' Wath) (c) Grouted stone pitching on a concrete bed	m²	100		
			100		
	FORWARD TO SUMMARY	·			

	CT NO SCMU10-24/25-0004 (A-F)		1		
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	GABIONS				
2,01	Foundation trench excavation and backfilling:				
	(b) In all other classes of materials	m <sup>3</sup>	250		
2,02	Surface preparation for bedding the gabions	m²	100		
2,03	Gabions				
	(a) 1,0m wide by 1,0m wide				
	(i) by 1,0m long mesh 80mm	m <sup>3</sup>	400		
	(c) Galvanised gabion mattresses				
	(i) 0,6m diaphragm spacing, 6,0m long by 2,0m wide.				
	by 0,3m deep mesh 80mm	m <sup>3</sup>	300		
2,04	Filter fabric				
	(a) Grade 2 Bidum or similar approved (Needlepunch type)	m²	5000		
52.05	Dismantle and remove gabion structures	m <sup>3</sup>	50		
	FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5400					
400	GUARDRAILS				
4,01	Guardrails on timber posts:				
	(a) Galvanised	m	800		
4,03	Extra over items 54.01 for horizontally curved guardrails factory				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	bent to a radius less than 45m	m	20		
54,04	End treatments:				
	(d) End treatments in accordance with the drawings where single guardrail sections are used	No	2		
			2		
54,05	Additional guardrail posts:				
	(a) Timber	No	20		
4,06	Reflective plates				
-7,00	(a) Red and white reflectors on new guardrails	No	100		
	(b) Red and white reflectors on existing guardrails	No	100		
54,07	Removing existing guardrails	m	750		
54.08 Renovating guardrail material:	Renovating guardrail material:				
554.00	(a) Straightening of Guardrails (rolling)	m	200		
	(c) Cleaning and painting	m	200		
4,09	Re-erection of guardrails with recovered and / or new material:				
	(a) Single guardrail	m	200		
54,11	New material required for the re-erection of guardrails with				
	recovered material:				
	(b) Timber Posts	No	50		
	(d) Reflective plates	No	500		
	(e) Spacer blocks (f) Splice bolt complete with nut and washer	No No	200		
	(g) Post bolt complete with nut and washer	No	500		
	(h) Reinforcing plates	No	2		
54,12	Extra over item 54.01 for drilling and blasting holes for guardrail posts	No	5		
54,13	Steel base plates for timber guardrail posts on structures	No	5		
354.14	Adjusting spacer blocks and tightening bolts	No	100		
			+		
	FORWARD TO SUMMARY	1			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
600	ROAD SIGNS				
56.01	Road sign boards complete with supports with Class 1				
	retro-reflective background. Symbols and lettering in semi matt				
	black. Boarders in Class 1 retro- reflective material, where the				
	signboard is constructed from :				
	(c) Prepainted galvinised steel plate (1.2mm chromadek or				
	approved equivalent)				
	(i) 900mm diameter Round or Stop signs:	Nie	4		
	- R 1 - R 201 (60)	No. No.	1 2		
	(ii) 900mm Triangular signs:		_		
	- W101	No.	2		
	- W104	No.	2		
	- W107	No.	2		
	- W108	No.	2		
	- W327 - W350	No. No.	2		
	- W 350 (iii) 900mm Triangular Combination signs	INU.	<u>∠</u>		
	- WCE. 2 (W208 + for 5km)	No.	1		
	(iv) 150mm x 600mm Hazard Marker Signs				
	- W401	No.	30		
	- W402	No.	30		
	(v) 450mm x 450mm Hazard Marker Signs				
	- W405 - W406	No. No.	30 30		
	- ₩406	INO.	30		
56,03	Road sign supports:				
	(b) Timber				
	(i) 75mm diameter	m	100		
	(ii) 100mm diameter	m	100		
356.04	Kilometer Posts				
	(a) Painting existing kilometer posts	No.	30		
	(b) Supply and install new kilometer posts complete	No.	5		
56,05	Excavation and backfilling for road sign supports: (a) Excavation for sign supports	m <sup>3</sup>	20		
			20		
56,06	Extra over item 56.05 for cement treated backfill:				
	(a) With soilcrete	m <sup>3</sup>	10		
	) FORWARD TO SUMMARY	I	I		

	ACT NO SCMU10-24/25-0004 (A-F)			B 4 7 5	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700	ROAD MARKINGS				
57,02	Retro-reflective road-marking paint:				
	(a) White lines (i) 100mm wide solid	km	220		
	(i) 100mm wide broken	km	147		
	(iii 100mm wide solid (Wet Reflective Tape Series 380 WR ES or		147		
	similar approved	km	-		Rate Only
	(iv 100mm wide broken (Wet Reflective Tape Series 380 WR ES or				
	similar approved	km	-		Rate Only
	(b) Yellow lines				
	(i) 150mm wide solid	km	5		
	(d) White lettering and symbols	m²	100		
	(e) Yellow lettering and symbols	m²	50		
B57.08	"Glowline" or similar approved Retro-reflective cementitious road marking	m²	-		Rate Only
	compound				
57.04	Variationa in rate of annliastion.				
57,04	Variations in rate of application:				Dete Ort
	(a) White paint (b) Yellow paint		-		Rate Only Rate Only
	(d) Retro-reflective beads		-		Rate Only Rate Only
	(e) "Glowline" compound		-		Rate Only
					I tale only
57,05	Roadstuds (Rhino Yellow/Red or similar approved)	No	150		
57,06	Setting out and premarking the lines (excluding traffic island				
	markings, lettering and symbols)	km	367		
57,08	Removal of existing, temporary and permanent road markings by:				
	(a) Sandblasting	m²	100		
57,09	Removal of existing roadstuds	No	100		
<b>D</b> = = 00					
B57.09	Supply and lay "Vuka" bumps (or similar approved) as per	No	50		
	Manufacturer's specifications, inclusive of fitment complete				
		-			
		-	-		
		-			

	CT NO SCMU10-24/25-0004 (A-F)	1		_	-
FEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
00	FINISHING THE ROAD AND ROAD RESERVE AND TREATING				
	OLD ROADS				
59.01	Finishing road and road reserve				
	a) 0 to 15 degrees	ha	1		
	b) 15 to 30 degrees	ha	1		
	c) 30 to 45 degrees	ha	1		
		1			
		1			
		1			
		1			
		1			
		1			
		1	1		1

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION		QUANTIT	NAIL	AMOUNT
100	FOUNDATIONS FOR STRUCTURES				
1,02	Excavation:				
	(a) Excavating soft material situated with the following successive				
	depth ranges:				
	<ul><li>(i) 0m up to 2m</li><li>(b) Extra over sub-item 61.02(a) for excavation in hard material</li></ul>	m <sup>3</sup>	10		
	irrespective of depth	m³	2		
51,04	Backfill to excavations utilising:				
	(a) Material from the excavation	m <sup>3</sup>	8		
4 00	Foundation fill consisting of				
1,08	Foundation fill consisting of (d) Mass concrete ( Class 15 MPa )	m <sup>3</sup>	5		

TEM NO	ACT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			20/10/11		
200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
2,01	Formwork to provide class F2 surface finish				
	to concrete lined causeways	m²	350		
2,02	Vertical formwork to provide class F2 surface finish		0.50		
	to concrete lined causeways	m²	350		
					-
	D FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6300	STEEL REINFORCING FOR STRUCTURES				
63,01	Steel reinforcement for:				
	(a) Concrete-lined causeways (i) Welded steel fabric (Mesh Ref 395)	kg	1200		
	1				
	) FORWARD TO SUMMARY	1	ı.		

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	CONCRETE FOR STRUCTURES				
4,01	Cast in situ concrete				
,	(a) Class 25 /19	m <sup>3</sup>	80		
4,04	Epoxy bonding of new concrete surfaces to old	m²	12		
4,06	Demolishing existing concrete:				
	(b) Reinforced concrete in				
	(i) Causeways	m <sup>3</sup>	15		
****					

CONTRA	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING WORKMANSHIP AND MATERIALS				
81,02	Other special tests requested by the engineer, including acceptance control by an external laboratory	Prov.sum	1	40 000,00	40 000,00
81,03	Handling costs and profit in respect of 81.02	%	40000,00		
CARRIED	) FORWARD TO SUMMARY :				

TEMNO	CT NO SCMU10-24/25-0004 (A-F)			DATE	
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	CONTROLLING VEGETATION GROWTH - MOWING AND CUTTING				
91.01	Mowing the grass				
	(a) Shoulder mowing				
	(ii) Reserve with single carriageway, 3m wide strip on either side.	km	2640		
	(iii Reserve with single carriageway, fenceline to fenceline. (11.5m wide	km	5		
	strip on either side of the road)				
	Cutting of designated areas (a) Road signs, reference marker boards, guardrails etc	m²	5000		
	(b) Dangerous areas at intersections	m²	2000		
	(c) Sight triangle at intersections	m²	2000		
		111-	2000		

	CT NO SCMU10-24/25-0004 (A-F)				1
ΓΕΜ ΝΟ	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0300	EMERGENCY MAINTENANCE				
103.01	Contractor's mark-up for emergency maintenance	%	50000		
	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2000	Environmental Management Programme (EMPR)				
31200.01	Contractor's compliance with EMPR	Month	36		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO		UNIT	QUANTITY	RATE	AMOUNT
B13000	Occupational Health & Safety:				
B13001	Preparation of Contractor's site specific Health and Safety Plan	Lump sum	1		
	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
		Lump Sum	1		
B13003	Principal Contractor's time related obligations in respect of the				
	OHS Act and Construction Regulations	Month	36		
B13004	Provision for Personal Protective Equipment & Protective Clothing		20		
	(i) Reflective vests (ii) Reflective bibs	No No	20 20		
	(iii) Hard hats	No	20		
	(iv) Protective foot wear	No	20		
	(v) Earplugs	No	20		
	(vi) Dust masks	No	20		
B13005	Provision of full time Construction Health and Safety Officer	Month	26		
010000	Provision of full time Construction Health and Safety Officer	Month	36		
B13006	Costs of medical certificates and Medical Surveillance				
	(i) Initial (baseline) medical examinations	No	20		
	(ii) Exit examinations	No	20		
B13007	Induction Training	No	20		
B13008	Environmental Monitoring	No tests	1		
210000		110 10010			
B13009	Noise Monitoring	No	1		
B13010	Payment for Health & Safety representatives at meetings	Lump sum	1		
B13011	Provision of First Aid boxes	1	3		
D13011		Lump sum	3		
B13012	Transportation of Workers	Month	36		
B13013	Submission of the Health and Safety File	Lump sum	1		
	1				
			1		

CONTRAC	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15000	ME MANAGEMENT &TRAINING OF LOCAL LABOUR				
B15007	Training of Local Labour				
B15007.1	Conducting of skills audit of Local Labour and the development of a	Prov Sum	1	10 000,00	10 000,00
	Training Plan				
B150071a	Handling costs and charges for the Contractor on Item B15007.1	%	10 000,00		
B15007.2	Presenting Accredited training courses for Local Labour	Prov Sum	1	50 000,00	50 000,00
B15007.3	Mark Up for Management of ME's	%	13 500 000,00		
B15007.4	Provision of bridging finance to ME's (only CIDB 1 & 2)	%	1 350 000,00		
B15007.4	Provisional Sum for Variance to Tender Rates of MEs	Prov Sum	1	1 350 000,00	1 350 000,00
CARRIED	FORWARD TO SUMMARY :	1	<u> </u>		

## **PROVINCE OF THE EASTERN CAPE**

## DEPARTMENT OF TRANSPORT

## TENDER NO. SCMU10-24/25-0004E

## MAINTENANCE WORKS IN KING SABATA DALINDYEBO

Section 1200	General Requirements and Provisions	R
Section 1300	Preliminary and General	R
Section 1400	Housing and Offices for Engineer's Personnel	R
Section 1700	Clearing and Grubbing	R
Section 1800	Collection and Removal of Debris and Litter	R
Section 1900	Dayworks (Provisional)	R
Section 2100	Drains	R
Section 2200	Prefabricated Culverts	R
Section 2400	Asphalt and Concrete Berms	R
Section 3100	Borrow Materials	R
Section 3200	Selections, Stockpiling and Breaking Down the Material from Borrow Pits, Cuttings and Existing Pavement Layers, and Placing and Compacting the Gravel Layers	R
Section 3300	Mass Earthworks	R
Section 3400	Pavement Layers of Gravel Material	R
Section 3900	Patching and Repairing Edge Breaks	R
Section 4100	Prime Coat	R
Section 4600	Bituminous Single Seal with Slurry (Cape Seal)	R
Section 4800	Treatment of an Existing Surface	R
Section 5100	Pitching, Stonework and Protection against Erosion	R
Section 5200	Gabions	R
Section 5400	Guardrails	R
Section 5500	Fencing	R
Section 5600	Road Signs	R
Section 5700	Road Markings	R
Section 5900 and Treating O	Finishing the Roads and Road Reserve	R
Section 6100	Foundations for Structures	R
Section 6200	Falsework, Formwork and Concrete Finish	R
Section 6300	Steel Reinforcing for Structures	R

Section 6400	Concrete for Structures	R
Section 8100	Testing Workmanship and Materials	R
Section 9100	Controlling Vegetation Growth – Mowing and Cutting	R
Section 10300	Emergency Maintenance	R
Section 12000	Environmental Management Programme Implementation	R
Section 13000	Occupation Health & Safety	R
Section 15000	ME Management and Training of Local Labour	R
TOTAL		R
TOTAL	OF TENDER	R R
NETT TOTAL (	OF TENDER OR ESCALATION	
NETT TOTAL (		R
NETT TOTAL ( ALLOW 15% F SUB TOTAL		<b>R</b>

THE CONTRACT IS SUBJECT TO CONTRACT PRICE ADJUSTMENT.

**B: MAINTENANCE WORKS IN INGQUZA HILL** 

	CT NO SCMU10-24/25-0004 (A-F)	r	₁		
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
B12.01	Community Liaison Officer:				
	(a) Community Liaison Officer cost	Prov. Sum	1		
	(b) Monthly transport allowance for CLO for duration of Contract	Prov. Sum	1		
	(c) Remuneration of PSC representatives from the community to attend official meetings	Prov. Sum	1		
	(d) Handling costs and charges for Contractor on items B12.01 (a) to (c)	%	R205 200		
312.05	Protection of Existing Services	Prov. Sum	1		
312.06	Handling costs and charges for the Contractor on item B12.05	%	R10 000		
312.07	Provision of hire of Plant by the Contractor for the Department for	Prov. Sum	1		
	emergency work outside of the LMA				
312.08	Handling costs and charges for the Contractor on item B12.07	%	R20 000		
312.09	Provision of hire of Operators by the Contractor for the Department	Prov. Sum	1		
312.10	Handling costs and charges for the Contractor on item B12.09	%	R5 000		
312.11	Provision of Contract Management to Household Contractors	Month	36		
	within the LMA				
312.12	Installation of Contract Name Boards	No.	5		
		1	1		1

	CT NO SCMU10-24/25-0004 (A-F)	1	,		1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL				
	OBLIGATIONS				
13.01	The contractor's general obligations:				
13.01	The contractor's general obligations.				
	(b) Value-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	%	R 3 000 000		
	(ii) R2.0 - R4.0 mil	%	R 6 000 000		
	(iii) R4.0mil - R6.0 mil	%	R 11 000 000		
	(iv) Greater than R6.0 mil	%	R 14 000 000		
	(c) Time-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	Month	3		
	(ii) R2.0 - R4.0 mil	Month	3		
	(iii) R4.0mil - R6.0 mil	Month	12		
	(iv) Greater than R6.0 mil	Month	12		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
317.01	Clearing and grubbing	ha	66		
317.02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 0,5m up to and including 1m	No	50		
	(b) Girth exceeding 1m up to and including 2m	No	220		
	(c) Girth exceeding 2m up to and including 3m	No	44		
7,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m²	10800		
317.05	Cleaning out of hydraulic structures	-			
	(a) Pipes with an internal diameter up to and including 750mm	m <sup>3</sup>	1080		
	(b) Pipes with an internal diameter exceeding 750mm	m <sup>3</sup>	108		
	(c) Box culverts up to and including 1.5m internal vertical dimension	m <sup>3</sup>	108		
317.08	Removal of undesirable vegetation	m²	66000		
317.09	Shredding of vegetation cuttings in situ	m³	66,0		
511.03	שוויכעמווא טו זכעבומוטוו לעונוואט ווו שונע	1112	00,0		
7/16.02	Overhaul on material hauled in excess of 1.0km (ordinary		-		
~~~~~	overhaul)	m³-km	660		
217 10	Clearing and grubbing nerrow string	<b>m</b> <sup>2</sup>	100		
317.10	Clearing and grubbing narrow strips	m²	100		

	CT NO SCMU10-24/25-0004 (A-F)		1		AMOUNT	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
31800	COLLECTION AND REMOVAL OF DEBRIS AND LITTER					
318.01	Clearing of the road reserve					
	(a) Trunk and Main roads (30m wide road reserve)	km	1320			
	(b) District roads (25m wide road reserve)	km	1320			
18.02	Replacing of damaged facilities					
10.02	(a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
10.02	Treatment of evicting concrete root area furniture					
18.03	Treatment of existing concrete rest area furniture (a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
18.04	Treatment of existing concrete bridge balustrades					
	(a) Balustrades	m²	810			
18.05	Cleaning of Rest Areas as well as removal of litter					
	(a) Within 50km from main Site Camp	No	9			
	(b) Between 50 km and 150 km from main Site Camp	No	9			
	(c) Further than 150 km from main Site Camp	No	9			
			_			
					-	
			1 1			
-	FORWARD TO SUMMARY :	•	· · · ·			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B1900	DAYWORKS (PROVISIONAL )				
B19.01	Personnel during normal working hours				
	(a) Unskilled labour	hr	40		
	(b) Semi-skilled labour	hr	10		
	(c) Skilled labour	hr	10		
	(d) Ganger	hr	10		
	(e) Flagman	hr	20		
B19.02	Plant				
	(a) Flat bed truck (specify size)	hr	9		
	(b) Tipper Trucks - 3 to 5 ton capacity	hr	150		
	(c) Tipper Trucks - more than 5 ton	hr	18		
	(d) Loader (0.5m <sup>3</sup> ) bucket	hr	9		
	(e) TLB (digger loader)	hr	150		
	(f) Excavator (20-30 ton)	hr	9		
	(g) Grader (AT 140 G or similar)	hr	18		
	(h) Compactor (Bomag 90 or similar)	hr	9		
	(i) Water truck (11000 liter)	hr	9		
	(j) Dozer (D7 or similar))	hr	9		
	(k) Mechanical broom	hr	9		
	(I) Tractor-trailor combination (43kw, 3 ton minimum)	hr	9		
	(m) Suitable truck/but for transporting labourers (30 people minimum)	hr	9		
	(n) Safety vehicle for pre-marking purposes	hr	9		
	(o) Compressor (air) including hose and tools (specify)	hr	9		
	(p) Dewatering pump including generators and accessories (specify size		9		
	(q) Mobile electric welding sets and accessories (specify size)	hr	9		
	(r) Cutting torch with mobile electic & oxy aceylene installation	hr	9		
	(s) Mobile concrete mixer	hr	9		
	(t) Light delivery vehicle	hr	40		
	(u) Centre-mount crane (specify size)	hr	9		
	(v) Low bed truck (specify size)	km	500		
	(w) Other Specify	hr			
B19.03	Materials				
D10.00	(a) Procurement of materials	Prov Sum	1		
	(b) Contractor's handling costs, profit and all other charges in respect	1100 Odin	•		
	of subitem B19.03(a)	%	100000		
	or oublion brotoo(u)	/0	100000		
			1		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0400	22.112				
2100	DRAINS				
B21.01	Excavation of open drains				
	(a) Excavating soft material situated within the following depth ranges				
	below the surface level				
	(i) 0m up to 1,5m	m³	2700		
	(b) Extra over subitem B21.01(a) for excavation in hard material,		_		
	irrespective of depth	m <sup>3</sup>	5		
B21.02	Clearing and shaping existing open drains	M3	1080		
21,05	Banks and dykes	m³	-		Rate Onl
04.45			400		
21,15	Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul)	m³-km	432		
	(normal overhau)				
21,16	Backfilling existing eroded side drains	m³	200		
04.47		N.			
21,17	Test flushing of pipe subsoil drains	No	2		
B21.18	Clearing of concrete drainage channels				
	(a) Side drains, median drains and the like	m²	8800		
	(c) Other drains and channels within the following invert ranges				
	(i) less than 1.0m	m²	4400		
	(ii) 1.0m to 2.0m	m²	4400		
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density	m <sup>3</sup>	200		
B21.20	Clearing and shaping side and mitre drains by road grader	m	350		
B21.21	Exposing of existing subsoil drains	m <sup>3</sup>	5		
B21.22	Clearing of subsoil drains	m	500		
B21.03	Excavation in all material for subsurface drains				
	(i) Om up to 1.5m	m³	100		
B21.04	Impermeable backfill to subsoil drainage system	m³	150		
<b>DO1 00</b>			450		
B21.06	Natural permeable backfill (19mm Crushed stone) from approved sources on site	m <sup>3</sup>	150		
B21.07	Coarse sand from approved sources on site	m³	50		
B21.08	Pipes in subsoil drainage systems:				
	(a) Perforated pitchfibre pipe (150mm)	m	500		
	(b) Non perforated pitchfibre pipe (150mm)	m	500		
B21.10	Grade 2 Geotextile	m²	750		
<b>Da</b> 4 4 <b>a</b>					
B21.12	Concrete outlet structures	Nie	40		
	(a) Outlet structures	No	10		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
2200					
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges				
	below the level surface level (i) Om up to 1,5m	m <sup>3</sup>	30		
	(ii) Exceeding 1,5m and up to 3,0m	m <sup>3</sup>	10		
	(b) Extra over subitem 22.01(a) for excavation in hard material,				-
	irrespective of depth	m <sup>3</sup>	5		-
22,02	Backfilling				
	(a) Using the excavated material (b) Using imported selected material	m <sup>3</sup>	30 10		
	(c) Extra over subitem 22.02(a) and (b) for soil cement backfilling	m <sup>3</sup>	10		
					-
22,03	Concrete pipe culvert				
	(c) On Class B bedding				
	(i) 600 mm dia class 100D	m	0 30		
	(ii) 900 mm dia class 100D	m	30		
22,05	Portal and rectangular culverts				
	(a) complete with prefabricated floor slab				
	(i) 1200x1200 class 150S or equivalent	m	100		
	(ii) 1500x1500 class 150S or equivalent	m	100		
	(iii) 1800x1800 class 150S or equivalent (iv) 2100x2100 class 150S or equivalent	m	100		
	(v) 2400x2400 class 150S or equivalent (v) 2400x2400 class 150S or equivalent	m	100		
		m	100		
22,07	Cast in situ concrete and formwork				
	(a) In Class A bedding, screeds and encasing of pipes, Class 25/19 concrete	m <sup>3</sup>	10		
	(b) In Floor Slabs for Portal Culverts, Including formwork, joints and class U2				
	surface finish (Class 30/19mm Concrete)	m <sup>3</sup>	300,00		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including class				
	U2 surface finish ( 25MPa / 19)	m <sup>3</sup>	378		
	(d) Formwork for concrete under subitem 22.07(a & c) above	m²	2008		
22,10	Steel reinforcement	-	6.4		-
	(b) High tensile steel (c) Welded mesh	t kg	6,1 6640		
		Ng	0040		
22,13	Removing and re-laying existing pipes				
	(i) 600 mm	m	14		
22,14	Removing and disposing of existing pipes	m	14		
22,25	Overhaul on excavated material as described, in excess of the	m³-km	40		
	free haul distance of 1.0 km				
					-

	CT NO SCMU10-24/25-0004 (A-F)				1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	ASPHALT AND CONCRETE BERMS				
	Asphalt berms:				
	(a) Placed where there are no guardrails (Cold premix)	m	220		
	(b) Placed at existing guardrails (Cold premix)	m	220		
4,03	Prime and tack coats:				
	(a) Prime coat:				
	(i) Under asphalt berms (MC-30 cutback bitumen)	m²	92		
	(b) Tack coat	m²	92		

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	BORROW MATERIALS				
1,01	Excess overburden (provisional)	m <sup>3</sup>	300		
1,03	Finishing-off borrow areas	ha	0,3		

	CT NO SCMU10-24/25-0004 (A-F)			DATE	
EM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	SELECTIONS, STOCKPILING AND BREAKING-DOWN THE				
	MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING				
	PAVEMENT LAYERS, AND PLACING AND COMPACTING				
	THE GRAVEL LAYERS				
2,01	Providing a crushing and / or screening plant:				
,	(a) Single-stage crusher	No	3		
2,02	Re-erecting the crushing and / or screening plant:				
2,02	(a) Single-stage crusher	No	1		
2,03	Crushing and screening: (a) Single-stage crushing (-53)	m <sup>3</sup>	500		
2,05	Additional normal grid rolling (Normal - min of 4 passes)	m <sup>3</sup>	200		
2,06	Stockpiling of material (for use by department)	m <sup>3</sup>	500		
	FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	MASS EARTHWORKS				
3,01	Cut and borrow to fill, including freehaul up to 1,0 km:				
	(a) Material in compacted layer thickness of 200mm and less :				
	(ii) Compacted to 93% of mod AASHTO	m <sup>3</sup>	300		
3,03	Extra over item 33.01 for excavating and breaking down				
0,00	materials in :				
	(a) Intermediate Excavation	m <sup>3</sup>	250		
	(b) Hard Excavation	m <sup>3</sup>	250		
			230		
3,04	Cut to spoil, including free haul up to 1.0km. Material obtained				
	from :		100		
	(a) Soft excavation	m <sup>3</sup>			
	(b) Intermediate excavation	m <sup>3</sup>	100		
	(c) Hard Excavation	m <sup>3</sup>	100		
3/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	1200		
			-		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
D24.04	Devenuent lavore constructed from available from out of				
B34.01	Pavement layers constructed from gravel taken from cut or				
	borrow including free haul up to 1,0km				
	(h) Gravel wearing course compacted to	3	4.405		
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m <sup>3</sup>	1425		
	(iii) 95% Mos AASHTO Density 150mm using crushed material	m <sup>3</sup>	500		
34,02	Extra over item 34.01 for excavation of material in				
	(a) Intermediate material	m³	500		
24.07	Every aver for temporarily blading the material to windraw		50		
34,07	Extra over for temporarily blading the material to windrow	m <sup>3</sup>	50		
334.14	Wet blading				
	(a) 6m road width (riding surface)	km	25		
	(b) 7m road width (riding surface)	km	25		
B34.15	Dry blading				
	(a) 6m road width (riding surface)	km	30		
	(b) 7m road width (riding surface)	km	20		
334.16	Accessibility grading				
	(a) 6m road width (riding surface)	km	20		
	(b) 7m road width (riding surface)	km	-		Rate Only
B34.17	Special grading				
554.17	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII	<u>_</u>		
B34.18	Reshaping				
	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
B34.19	Heavy Maintenance				
004.10	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII	<u>_</u>		
B34.20	Gravel Patching				
	(a) Material from Borrow Pits	m³	500		
B34.21	Light Road Bed Preparation				
	(a) 6m road width	km	1		
	(b) 7m road width	km	1		
B34.22	Heavy Road Bed Preparation				
	(a) 6m road width	km	-		Rate Only
	(b) 7m road width	km	1		
B34.23	Gravel shoulder renair				
۵34.23	Gravel shoulder repair	L			
	(a) Ripping, watering, mixing, placing and compacting existing shoulders 95% Mod AASHTO density	to m <sup>3</sup>	880		
	(b) Extra over subitem (a) for adding extra material (free haul)	m <sup>3</sup>	220		
	(c) Extra over for subitem (a) for stabilizing material	m <sup>3</sup>	55		
B34.24	Removal of edge build-up				
	(a) Remove material and load for spoil	km	88		
	(b) Remove material and dispose of adjacent to road	km	176		
34/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	5775		
	Regravelling in short lengths up to 300m	m <sup>3</sup>	7500		
B34.26					

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3900	PATCHING AND REPAIRING EDGE BREAKS				
39,01	Sawing asphalt or cemented pavement layers for patching:				
	(a) Sawing asphalt to an average depth:		22000		
	(i) not exceeding 50mm	m	22000		
	BASE AND SURFACE REPAIR - PO3				
39,02	Excavation in existing pavements for patching in:		000		
	(a) Asphalt layers (b) Cemented layers	m³ m³	308		Rate On
	(c) Crushed stone base course	m <sup>3</sup>	1320		Nate Off
B39.03	Backfilling of excavations for patching with:				
	(a) Existing Base material stabilized with bituminous emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted base and ordinary cement	; 			
	@ 1% by mass of compacted base), for a patch with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	264		
	(iii Exceeding 100m <sup>2</sup>	m <sup>3</sup>	396		
	(b) G2 Base course material from commercial sources with bituminous				
	emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted				
	base and ordinary cement @ 1% by mass of compacted base), for a patch				
	with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	198		
	(iii Exceeding 100m <sup>2</sup>	m³	79		
	(c) G2 Base course material from Commercial Sources				
	(i) Not exceeding 5m <sup>2</sup>	m³	20		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	50		
	(iii Exceeding 100m <sup>2</sup>	m³	80		
	(d) Existing Base material stabilized with ordinary cement 2% by mass				
	for a patch with a surface area:	m³	20		
	(i) Not exceeding 50m <sup>2</sup> (ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iv Exceeding 150m <sup>2</sup>	m <sup>3</sup>	80		
B39.06	Tack coat (60% stable grade emulsion)	I	6160		
B39.07	Cold premix (applied 35 mm thick)				
D39.07	(a) Not exceeding 50m <sup>2</sup>	m²	1760		
	(b) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	2640		
	(c) Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	 m²	2640		
B39.08	Hot premix (applied 35 mm thick)				
	(a) Not exceeding 5m <sup>2</sup>	m²	88		
	(b) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	176		
	(c) Exceeding 100m <sup>2</sup>	m²	264		
B39.09	Temporary pothole repair (Not exceeding 1000mm x 1000mm) using				
200.00	(a) Cold premix	m³	440		
	(b) C4 (stabilised) material	m³	44		
			<u> </u>		
			+		
	D FORWARD TO SUMMARY :		1 1		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4400	PRIME COAT				
4100					
41,01	Prime coat:				
-	(a) RTH 3/12P or RTL 3/12P tar prime	I	10		
	(b) Quick drying RTH 1/4P tar prime	I	10		
	(c) MC-30 cut-back bitumen	1	1000		
	(d) MC-70 cut-back bitumen	I	10		
	(e) Invert bitumen emulsion	I	10		
	(f) MC - 30 SP	I	10		
			-		
			-		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4600	BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)				
4000	bituminous single seal with sloket (Care seal)				
46,02	Bituminious single seal with 13.2mm aggregate and slurry:	m²	1000		
46,03	Bituminious binder variations:				
	(c) MC-3000 cut back bitumen	1	-		Rate Onl
	(f) Spray grade emulsion (65% bitumen content)	1	-		Rate Onl
46,04	Aggregate variations:				
	(a) 13.2mm nominal sized aggregate	m³	-		Rate Onl
46,05	Variation in the rate of application of the slurry:	m³	-		Rate Onl
CARRIED	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	RATE	AMOONT
000					
800	TREATMENT OF AN EXISTING SURFACE EXHIBITING CERTAIN DEFECTS				
	POTHOLE REPAIR - P01				
8 / 30 01	Sawing asphalt or cemented pavement layers for patching				
67 33.01	(a) Sawing asphalt to an average depth : (provisional sum)				
	(i) not exceeding 50 mm	m	11000		
8/39.02	Excavation in existing pavements for patching in				
	(c) Bituminous seal layers	m <sup>3</sup>	154		
18/B39.06	Tack Coat (60% spray grade emulsion)	<u> </u>	3080		
18/B39.07	Cold premix 35 mm thick		4400		
0/200.07			1100		
	SLACK AND DEPRESSION REPAIR - PO2				
348.04	Screed of asphalt or coarse slurry :				
	(a) Tack coat using 60% anionic emulsion diluted 50/50 with water	I	400		
	(b) Continuously - graded medium mixture asphalt	t	5		
	(c) Coarse grade slurry	m <sup>3</sup>	10		
	(d) Chip out 500mm by 35 mm strip	m²	200		
	CRACK SEALING - PO4				
48,06	Cleaning the cracks with compressed air	km	5		
48,07	Applying bituminous binders and herbicides for sealing cracks:				
	(a) Herbicide	I	500		
240.44	Contavtile and handage				
540.14	Geotextile seal bandage (a) Cracks and joints - 200 mm wide geotextile strip	m	100		
	(b) Cracked areas - geotextile		100		
	(i) Not exceeding 50m <sup>2</sup>	m²	100		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	200		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	300		
	(iv Exceeding 150m <sup>2</sup>	m²	400		
348.15	Crack sealing using Method 1 (sealant and crusher dust)		500		
	EDGE REPAIRS - PO5				
48.14					
18/39.05	Cutting back the edges of the existing surface for repairing of				
	edge breaks ( avg depth = 80 mm )	m	4400		
348.05	Repairing edge breaks in surfacing				
	(a) Tack coat - 60% Anionic spray grade emulsion diluted 50/50 with water		924		
	(c) Reconstructing edges using cold premix	t	95		
	SLURRY SEAL TREATMENT - PO6				
348.03	Slurry seal				
. 10.00	(a) Tack coat using 30% bitumen emulsion		25256		
	(b) Slurry applied by hand (coarse grade slurry)				
	(i) Not exceeding 50m <sup>2</sup>	m²	880		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	4400		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	8800		
	(iv Exceeding 150m <sup>2</sup>	m²	22000		
			_		
		1	1		1

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	NATE	AMOONT
100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
1.01	Otana nitahina				
1,01	Stone pitching (b) Grouted stone pitching (Max 300mm width)	m²	100		
	(c) Grouted stone pitching (Max Soonin' Wath) (c) Grouted stone pitching on a concrete bed	m²	100		
			100		
	FORWARD TO SUMMARY	·			

	CT NO SCMU10-24/25-0004 (A-F)		1		
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	GABIONS				
2,01	Foundation trench excavation and backfilling:				
	(b) In all other classes of materials	m <sup>3</sup>	250		
2,02	Surface preparation for bedding the gabions	m²	100		
2,03	Gabions				
	(a) 1,0m wide by 1,0m wide				
	(i) by 1,0m long mesh 80mm	m <sup>3</sup>	400		
	(c) Galvanised gabion mattresses				
	(i) 0,6m diaphragm spacing, 6,0m long by 2,0m wide.				
	by 0,3m deep mesh 80mm	m <sup>3</sup>	300		
2,04	Filter fabric				
	(a) Grade 2 Bidum or similar approved (Needlepunch type)	m²	5000		
52.05	Dismantle and remove gabion structures	m <sup>3</sup>	50		
	FORWARD TO SUMMARY				

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5400					
400	GUARDRAILS				
4,01	Guardrails on timber posts:				
	(a) Galvanised	m	800		
4,03	Extra over items 54 01 for horizontally curved guardrails factory				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	bent to a radius less than 45m	RAILS       Image: Control of the second secon			
54,04	End treatments:				
	(d) End treatments in accordance with the drawings where single guardrall sections are used	No	2		
			2		
54,05	Additional guardrail posts:				
	(a) Timber	No	20		
4,06	Reflective plates				
-7,00	(a) Red and white reflectors on new guardrails	No	100		
	(b) Red and white reflectors on existing guardrails				
54,07	Removing existing guardrails	m	750		
354.08	Renovating guardrail material:				
554.00	(a) Straightening of Guardrails (rolling)	m	200		
	(c) Cleaning and painting	m	200		
4,09	Re-erection of guardrails with recovered and / or new material:				
	(a) Single guardrail	m	200		
54,11	New material required for the re-erection of guardrails with				
	recovered material:				
	(b) Timber Posts				
	(d) Reflective plates				
	(e) Spacer blocks (f) Splice bolt complete with nut and washer				
	(g) Post bolt complete with nut and washer				
	(h) Reinforcing plates	No	2		
54,12	for guardrail posts	No	5		
54,13	Steel base plates for timber guardrail posts on structures	No	5		
354.14	Adjusting spacer blocks and tightening bolts	No	100		
			+		
	FORWARD TO SUMMARY	1			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
600	ROAD SIGNS				
56.01	Road sign boards complete with supports with Class 1				
	retro-reflective background. Symbols and lettering in semi matt				
	black. Boarders in Class 1 retro- reflective material, where the				
	signboard is constructed from :				
	(c) Prepainted galvinised steel plate (1.2mm chromadek or				
	approved equivalent)				
	(i) 900mm diameter Round or Stop signs:	Nie	4		
	- R 1 - R 201 (60)	No. No.	1 2		
	(ii) 900mm Triangular signs:		_		
	- W101	No.	2		
	- W104	No.	2		
	- W107	No.	2		
	- W108	No.	2		
	- W327 - W350	No. No.	2		
	- W 350 (iii) 900mm Triangular Combination signs	INU.	<u> </u>		
	- WCE. 2 (W208 + for 5km)	No.	1		
	(iv) 150mm x 600mm Hazard Marker Signs				
	- W401	No.	30		
	- W402	No.	30		
	(v) 450mm x 450mm Hazard Marker Signs				
	- W405 - W406	No. No.	30 30		
	- ₩406	INO.	30		
56,03	Road sign supports:				
	(b) Timber				
	(i) 75mm diameter	m	100		
	(ii) 100mm diameter	m	100		
356.04	Kilometer Posts				
	(a) Painting existing kilometer posts	No.	30		
	(b) Supply and install new kilometer posts complete	No.	5		
56,05	Excavation and backfilling for road sign supports: (a) Excavation for sign supports	m <sup>3</sup>	20		
			20		
56,06	Extra over item 56.05 for cement treated backfill:				
	(a) With soilcrete	m <sup>3</sup>	10		
	) FORWARD TO SUMMARY	I	I		

	ACT NO SCMU10-24/25-0004 (A-F)			B 4 7 5	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700	ROAD MARKINGS				
57,02	Retro-reflective road-marking paint:				
	(a) White lines (i) 100mm wide solid	km	220		
	(i) 100mm wide broken	km	147		
	(iii 100mm wide solid (Wet Reflective Tape Series 380 WR ES or		147		
	similar approved	km	-		Rate Only
	(iv 100mm wide broken (Wet Reflective Tape Series 380 WR ES or				
	similar approved	km	-		Rate Only
	(b) Yellow lines				
	(i) 150mm wide solid	km	5		
	(d) White lettering and symbols	m²	100		
	(e) Yellow lettering and symbols	m²	50		
B57.08	"Glowline" or similar approved Retro-reflective cementitious road marking	m²	-		Rate Only
	compound				
57.04	Variationa in rate of annliastion.				
57,04	Variations in rate of application:				Dete Ort
	(a) White paint (b) Yellow paint		-		Rate Only Rate Only
	(d) Retro-reflective beads		-		Rate Only Rate Only
	(e) "Glowline" compound		-		Rate Only
					I tale only
57,05	Roadstuds (Rhino Yellow/Red or similar approved)	No	150		
57,06	Setting out and premarking the lines (excluding traffic island				
	markings, lettering and symbols)	km	367		
57,08	Removal of existing, temporary and permanent road markings by:				
	(a) Sandblasting	m²	100		
57,09	Removal of existing roadstuds	No	100		
<b>D</b> = = 00					
B57.09	Supply and lay "Vuka" bumps (or similar approved) as per	No	50		
	Manufacturer's specifications, inclusive of fitment complete				
		-			
		-	-		
		-			

	CT NO SCMU10-24/25-0004 (A-F)	1		_	-
FEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
00	FINISHING THE ROAD AND ROAD RESERVE AND TREATING				
	OLD ROADS				
59.01	Finishing road and road reserve				
	a) 0 to 15 degrees	ha	1		
	b) 15 to 30 degrees	ha	1		
	c) 30 to 45 degrees	ha	1		
		1			
		1			
		1			
		1			
		1			
		1			
		1	1		1

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION		QUANTIT	NAIL	AMOUNT
100	FOUNDATIONS FOR STRUCTURES				
1,02	Excavation:				
	(a) Excavating soft material situated with the following successive				
	depth ranges:				
	(i) 0m up to 2m	m <sup>3</sup>	10		
	(b) Extra over sub-item 61.02(a) for excavation in hard material				
	irrespective of depth	m <sup>3</sup>	2		
1,04	Backfill to excavations utilising:				
,-	(a) Material from the excavation	m³	8		
4.00					
1,08	Foundation fill consisting of		F		
	(d) Mass concrete ( Class 15 MPa )	m <sup>3</sup>	5		
	D FORWARD TO SUMMARY				

TEM NO	ACT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			20/10/11		
200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
2,01	Formwork to provide class F2 surface finish				
	to concrete lined causeways	m²	350		
2,02	Vertical formwork to provide class F2 surface finish		0.50		
	to concrete lined causeways	m²	350		
					-
	D FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6300	STEEL REINFORCING FOR STRUCTURES				
63,01	Steel reinforcement for:				
	(a) Concrete-lined causeways (i) Welded steel fabric (Mesh Ref 395)	kg	1200		
	1				
	) FORWARD TO SUMMARY	1	ı.		

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	CONCRETE FOR STRUCTURES				
4,01	Cast in situ concrete				
,	(a) Class 25 /19	m <sup>3</sup>	80		
4,04	Epoxy bonding of new concrete surfaces to old	m²	12		
4,06	Demolishing existing concrete:				
	(b) Reinforced concrete in				
	(i) Causeways	m <sup>3</sup>	15		
****					

CONTRA	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING WORKMANSHIP AND MATERIALS				
81,02	Other special tests requested by the engineer, including acceptance control by an external laboratory	Prov.sum	1	40 000,00	40 000,00
81,03	Handling costs and profit in respect of 81.02	%	40000,00		
CARRIED	) FORWARD TO SUMMARY :				

TEMNO	CT NO SCMU10-24/25-0004 (A-F)			DATE	
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	CONTROLLING VEGETATION GROWTH - MOWING AND CUTTING				
91.01	Mowing the grass				
	(a) Shoulder mowing				
	(ii) Reserve with single carriageway, 3m wide strip on either side.	km	2640		
	(iii Reserve with single carriageway, fenceline to fenceline. (11.5m wide	km	5		
	strip on either side of the road)				
	Cutting of designated areas (a) Road signs, reference marker boards, guardrails etc	m²	5000		
	(b) Dangerous areas at intersections	m²	2000		
	(c) Sight triangle at intersections	m²	2000		
		111-	2000		

	CT NO SCMU10-24/25-0004 (A-F)				1
ΓΕΜ ΝΟ	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0300	EMERGENCY MAINTENANCE				
103.01	Contractor's mark-up for emergency maintenance	%	50000		
	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2000	Environmental Management Programme (EMPR)				
31200.01	Contractor's compliance with EMPR	Month	36		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO		UNIT	QUANTITY	RATE	AMOUNT
B13000	Occupational Health & Safety:				
B13001	Preparation of Contractor's site specific Health and Safety Plan	Lump sum	1		
	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
		Lump Sum	1		
B13003	Principal Contractor's time related obligations in respect of the				
	OHS Act and Construction Regulations	Month	36		
B13004	Provision for Personal Protective Equipment & Protective Clothing		20		
	(i) Reflective vests (ii) Reflective bibs	No No	20 20		
	(iii) Hard hats	No	20		
	(iv) Protective foot wear	No	20		
	(v) Earplugs	No	20		
	(vi) Dust masks	No	20		
B13005	Provision of full time Construction Health and Safety Officer	Month	26		
010000	Provision of full time Construction Health and Safety Officer	Month	36		
B13006	Costs of medical certificates and Medical Surveillance				
	(i) Initial (baseline) medical examinations	No	20		
	(ii) Exit examinations	No	20		
B13007	Induction Training	No	20		
B13008	Environmental Monitoring	No tests	1		
210000		110 10010			
B13009	Noise Monitoring	No	1		
B13010	Payment for Health & Safety representatives at meetings	Lump sum	1		
B13011	Provision of First Aid boxes	1	3		
D13011		Lump sum	3		
B13012	Transportation of Workers	Month	36		
B13013	Submission of the Health and Safety File	Lump sum	1		
	1				
			1		

CONTRAC	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15000	ME MANAGEMENT &TRAINING OF LOCAL LABOUR				
B15007	Training of Local Labour				
B15007.1	Conducting of skills audit of Local Labour and the development of a	Prov Sum	1	10 000,00	10 000,00
	Training Plan				
B150071a	Handling costs and charges for the Contractor on Item B15007.1	%	10 000,00		
B15007.2	Presenting Accredited training courses for Local Labour	Prov Sum	1	50 000,00	50 000,00
B15007.3	Mark Up for Management of ME's	%	13 500 000,00		
B15007.4	Provision of bridging finance to ME's (only CIDB 1 & 2)	%	1 350 000,00		
B15007.4	Provisional Sum for Variance to Tender Rates of MEs	Prov Sum	1	1 350 000,00	1 350 000,00
CARRIED	FORWARD TO SUMMARY :	1			

## **PROVINCE OF THE EASTERN CAPE**

## DEPARTMENT OF TRANSPORT

## TENDER NO. SCMU10-24/25-0004E

## MAINTENANCE WORKS IN INGQUZA HILL

Section 1200	General Requirements and Provisions	R
Section 1300	Preliminary and General	R
Section 1400	Housing and Offices for Engineer's Personnel	R
Section 1700	Clearing and Grubbing	R
Section 1800	Collection and Removal of Debris and Litter	R
Section 1900	Dayworks (Provisional)	R
Section 2100	Drains	R
Section 2200	Prefabricated Culverts	R
Section 2400	Asphalt and Concrete Berms	R
Section 3100	Borrow Materials	R
Section 3200	Selections, Stockpiling and Breaking Down the Material from Borrow Pits, Cuttings and Existing Pavement Layers, and Placing and Compacting the Gravel Layers	R
Section 3300	Mass Earthworks	R
Section 3400	Pavement Layers of Gravel Material	R
Section 3900	Patching and Repairing Edge Breaks	R
Section 4100	Prime Coat	R
Section 4600	Bituminous Single Seal with Slurry (Cape Seal)	R
Section 4800	Treatment of an Existing Surface	R
Section 5100	Pitching, Stonework and Protection against Erosion	R
Section 5200	Gabions	R
Section 5400	Guardrails	R
Section 5500	Fencing	R
Section 5600	Road Signs	R
Section 5700	Road Markings	R
Section 5900 and Treating C	Finishing the Roads and Road Reserve	R
Section 6100	Foundations for Structures	R
Section 6200	Falsework, Formwork and Concrete Finish	R
Section 6300	Steel Reinforcing for Structures	R

Section 6400	Concrete for Structures	R
Section 8100	Testing Workmanship and Materials	R
Section 9100	Controlling Vegetation Growth – Mowing and Cutting	R
Section 10300	Emergency Maintenance	R
Section 12000	Environmental Management Programme Implementation	R
Section 13000	Occupation Health & Safety	R
Section 15000	ME Management and Training of Local Labour	R
TOTAL		R
NETT TOTAL	OF TENDER	R
ALLOW 15% F	OR ESCALATION	R
SUB TOTAL		R
ALLOW 15% V	ALUE ADDED TAX	R
TOTAL AMOU	NT FOR EVALUATION SCORING PURPOSES	R

THE CONTRACT IS SUBJECT TO CONTRACT PRICE ADJUSTMENT.

**C: MAINTENANCE WORKS IN NYANDENI** 

	CT NO SCMU10-24/25-0004 (A-F)	r	₁		
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
	Community Liaison Officer:				
	(a) Community Liaison Officer cost	Prov. Sum	1		
	(b) Monthly transport allowance for CLO for duration of Contract	Prov. Sum	1		
	(c) Remuneration of PSC representatives from the community to attend official meetings	Prov. Sum	1		
	(d) Handling costs and charges for Contractor on items B12.01 (a) to (c)	%	R205 200		
312.05	Protection of Existing Services	Prov. Sum	1		
312.06	Handling costs and charges for the Contractor on item B12.05	%	R10 000		
312.07	Provision of hire of Plant by the Contractor for the Department for	Prov. Sum	1		
	emergency work outside of the LMA				
312.08	Handling costs and charges for the Contractor on item B12.07	%	R20 000		
312.09	Provision of hire of Operators by the Contractor for the Department	Prov. Sum	1		
312.10	Handling costs and charges for the Contractor on item B12.09	%	R5 000		
312.11	Provision of Contract Management to Household Contractors	Month	36		
	within the LMA				
312.12	Installation of Contract Name Boards	No.	5		
		1	1		1

	CT NO SCMU10-24/25-0004 (A-F)	1	,		1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL				
	OBLIGATIONS				
13.01	The contractor's general obligations:				
13.01	The contractor's general obligations.				
	(b) Value-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	%	R 3 000 000		
	(ii) R2.0 - R4.0 mil	%	R 6 000 000		
	(iii) R4.0mil - R6.0 mil	%	R 11 000 000		
	(iv) Greater than R6.0 mil	%	R 14 000 000		
	(c) Time-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	Month	3		
	(ii) R2.0 - R4.0 mil	Month	3		
	(iii) R4.0mil - R6.0 mil	Month	12		
	(iv) Greater than R6.0 mil	Month	12		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
317.01	Clearing and grubbing	ha	66		
317.02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 0,5m up to and including 1m	No	50		
	(b) Girth exceeding 1m up to and including 2m	No	220		
	(c) Girth exceeding 2m up to and including 3m	No	44		
7,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m²	10800		
317.05	Cleaning out of hydraulic structures	-			
	(a) Pipes with an internal diameter up to and including 750mm	m <sup>3</sup>	1080		
	(b) Pipes with an internal diameter exceeding 750mm	m <sup>3</sup>	108		
	(c) Box culverts up to and including 1.5m internal vertical dimension	m <sup>3</sup>	108		
317.08	Removal of undesirable vegetation	m²	66000		
317.09	Shredding of vegetation cuttings in situ	m³	66,0		
511.03	שוויכעמווא טו זכעבומוטוו לעונוואט ווו שונע	1112	00,0		
7/16.02	Overhaul on material hauled in excess of 1.0km (ordinary		-		
~~~~~	overhaul)	m³-km	660		
217 10	Clearing and grubbing nerrow string	<b>m</b> <sup>2</sup>	100		
317.10	Clearing and grubbing narrow strips	m²	100		

	CT NO SCMU10-24/25-0004 (A-F)		1			
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
31800	COLLECTION AND REMOVAL OF DEBRIS AND LITTER					
318.01	Clearing of the road reserve					
	(a) Trunk and Main roads (30m wide road reserve)	km	1320			
	(b) District roads (25m wide road reserve)	km	1320			
18.02	Replacing of damaged facilities					
10.02	(a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
10.02	Treatment of evicting concrete root area furniture					
18.03	Treatment of existing concrete rest area furniture (a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
18.04	Treatment of existing concrete bridge balustrades					
	(a) Balustrades	m²	810			
18.05	Cleaning of Rest Areas as well as removal of litter					
	(a) Within 50km from main Site Camp	No	9			
	(b) Between 50 km and 150 km from main Site Camp	No	9			
	(c) Further than 150 km from main Site Camp	No	9			
			_			
					-	
			1 1			
-	FORWARD TO SUMMARY :	•	· · · ·			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B1900	DAYWORKS (PROVISIONAL )				
B19.01	Personnel during normal working hours				
	(a) Unskilled labour	hr	40		
	(b) Semi-skilled labour	hr	10		
	(c) Skilled labour	hr	10		
	(d) Ganger	hr	10		
	(e) Flagman	hr	20		
B19.02	Plant				
	(a) Flat bed truck (specify size)	hr	9		
	(b) Tipper Trucks - 3 to 5 ton capacity	hr	150		
	(c) Tipper Trucks - more than 5 ton	hr	18		
	(d) Loader (0.5m <sup>3</sup> ) bucket	hr	9		
	(e) TLB (digger loader)	hr	150		
	(f) Excavator (20-30 ton)	hr	9		
	(g) Grader (AT 140 G or similar)	hr	18		
	(h) Compactor (Bomag 90 or similar)	hr	9		
	(i) Water truck (11000 liter)	hr	9		
	(j) Dozer (D7 or similar))	hr	9		
	(k) Mechanical broom	hr	9		
	(I) Tractor-trailor combination (43kw, 3 ton minimum)	hr	9		
	(m) Suitable truck/but for transporting labourers (30 people minimum)	hr	9		
	(n) Safety vehicle for pre-marking purposes	hr	9		
	(o) Compressor (air) including hose and tools (specify)	hr	9		
	(p) Dewatering pump including generators and accessories (specify size		9		
	(q) Mobile electric welding sets and accessories (specify size)	hr	9		
	(r) Cutting torch with mobile electic & oxy aceylene installation	hr	9		
	(s) Mobile concrete mixer	hr	9		
	(t) Light delivery vehicle	hr	40		
	(u) Centre-mount crane (specify size)	hr	9		
	(v) Low bed truck (specify size)	km	500		
	(w) Other Specify	hr			
B19.03	Materials				
D10.00	(a) Procurement of materials	Prov Sum	1		
	(b) Contractor's handling costs, profit and all other charges in respect	1100 Odin	•		
	of subitem B19.03(a)	%	100000		
	or oublion brotoo(u)	/0	100000		
			1		

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0400	22.112				
2100	DRAINS				
B21.01	Excavation of open drains				
321.01 ( 321.02 ( 321.02 ( 21,05 [ 21,15 ( 21,16 [ 21,17 ] 321.18 ( 21,17 ] 321.18 ( 321.20 ( 321.21 ] 321.21 [ 321.22 ( 321.03 ]	(a) Excavating soft material situated within the following depth ranges				
	below the surface level				
	(i) 0m up to 1,5m	m³	2700		
	(b) Extra over subitem B21.01(a) for excavation in hard material,		_		
	irrespective of depth	m <sup>3</sup>	5		
B21.02	Clearing and shaping existing open drains	M3	1080		
21,05	Banks and dykes	m³	-		Rate Onl
04.45			400		
21,15	Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul)	m³-km	432		
	(normal overhau)				
21,16	Backfilling existing eroded side drains	m³	200		
04.47		N.			
21,17	Test flushing of pipe subsoil drains	No	2		
B21.18	Clearing of concrete drainage channels				
	(a) Side drains, median drains and the like	m²	8800		
	(c) Other drains and channels within the following invert ranges				
	(i) less than 1.0m	m²	4400		
	(ii) 1.0m to 2.0m	m²	4400		
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density	m <sup>3</sup>	200		
B21.20	Clearing and shaping side and mitre drains by road grader	m	350		
B21.21	Exposing of existing subsoil drains	m <sup>3</sup>	5		
B21.22	Clearing of subsoil drains	m	500		
B21.03	Excavation in all material for subsurface drains				
	(i) Om up to 1.5m	m³	100		
B21.04	Impermeable backfill to subsoil drainage system	m³	150		
<b>DO1 00</b>			450		
B21.06	Natural permeable backfill (19mm Crushed stone) from approved sources on site	m <sup>3</sup>	150		
B21.07	Coarse sand from approved sources on site	m³	50		
B21.08	Pipes in subsoil drainage systems:				
	(a) Perforated pitchfibre pipe (150mm)	m	500		
	(b) Non perforated pitchfibre pipe (150mm)	m	500		
B21.10	Grade 2 Geotextile	m²	750		
<b>Da</b> 4 4 <b>a</b>					
B21.12	Concrete outlet structures	Nie	40		
	(a) Outlet structures	No	10		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
2200					
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges				
	below the level surface level (i) Om up to 1,5m	m <sup>3</sup>	30		
	(ii) Exceeding 1,5m and up to 3,0m	m <sup>3</sup>	10		
	(b) Extra over subitem 22.01(a) for excavation in hard material,				-
	irrespective of depth	m <sup>3</sup>	5		-
22,02	Backfilling				
	(a) Using the excavated material (b) Using imported selected material	m <sup>3</sup>	30 10		
	(c) Extra over subitem 22.02(a) and (b) for soil cement backfilling	m <sup>3</sup>	10		
					-
22,03	Concrete pipe culvert				
	(c) On Class B bedding				
	(i) 600 mm dia class 100D	m	0 30		
	(ii) 900 mm dia class 100D	m	30		
22,05	Portal and rectangular culverts				
	(a) complete with prefabricated floor slab				
	(i) 1200x1200 class 150S or equivalent	m	100		
	(ii) 1500x1500 class 150S or equivalent	m	100		
	(iii) 1800x1800 class 150S or equivalent (iv) 2100x2100 class 150S or equivalent	m	100		
	(v) 2400x2400 class 150S or equivalent (v) 2400x2400 class 150S or equivalent	m	100		
		m	100		
22,07	Cast in situ concrete and formwork				
	(a) In Class A bedding, screeds and encasing of pipes, Class 25/19 concrete	m <sup>3</sup>	10		
	(b) In Floor Slabs for Portal Culverts, Including formwork, joints and class U2				
	surface finish (Class 30/19mm Concrete)	m <sup>3</sup>	300,00		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including class				
	U2 surface finish ( 25MPa / 19)	m <sup>3</sup>	378		
	(d) Formwork for concrete under subitem 22.07(a & c) above	m²	2008		
22,10	Steel reinforcement	-	6.4		-
	(b) High tensile steel (c) Welded mesh	t kg	6,1 6640		
		Ng	0040		
22,13	Removing and re-laying existing pipes				
	(i) 600 mm	m	14		
22,14	Removing and disposing of existing pipes	m	14		
22,25	Overhaul on excavated material as described, in excess of the	m³-km	40		
	free haul distance of 1.0 km				
					-

	CT NO SCMU10-24/25-0004 (A-F)				1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	ASPHALT AND CONCRETE BERMS				
	Asphalt berms:				
	(a) Placed where there are no guardrails (Cold premix)	m	220		
	(b) Placed at existing guardrails (Cold premix)	m	220		
4,03	Prime and tack coats:				
	(a) Prime coat:				
	(i) Under asphalt berms (MC-30 cutback bitumen)	m²	92		
	(b) Tack coat	m²	92		

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	BORROW MATERIALS				
1,01	Excess overburden (provisional)	m <sup>3</sup>	300		
1,03	Finishing-off borrow areas	ha	0,3		

	CT NO SCMU10-24/25-0004 (A-F)		QUANTITY	DATE	
EM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	SELECTIONS, STOCKPILING AND BREAKING-DOWN THE				
	MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING				
	PAVEMENT LAYERS, AND PLACING AND COMPACTING				
	THE GRAVEL LAYERS				
2,01	Providing a crushing and / or screening plant:				
,	(a) Single-stage crusher	No	3		
2,02	Re-erecting the crushing and / or screening plant:				
2,02	(a) Single-stage crusher	No	1		
2,03	Crushing and screening: (a) Single-stage crushing (-53)	m <sup>3</sup>	500		
2,05	Additional normal grid rolling (Normal - min of 4 passes)	m <sup>3</sup>	200		
2,06	Stockpiling of material (for use by department)	m <sup>3</sup>	500		
	FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	MASS EARTHWORKS				
3,01	Cut and borrow to fill, including freehaul up to 1,0 km:				
	(a) Material in compacted layer thickness of 200mm and less :				
	(ii) Compacted to 93% of mod AASHTO	m <sup>3</sup>	300		
3,03	Extra over item 33.01 for excavating and breaking down				
0,00	materials in :				
	(a) Intermediate Excavation	m <sup>3</sup>	250		
	(b) Hard Excavation	m <sup>3</sup>	250		
			230		
3,04	Cut to spoil, including free haul up to 1.0km. Material obtained				
	from :		100		
	(a) Soft excavation	m <sup>3</sup>			
	(b) Intermediate excavation	m <sup>3</sup>	100		
	(c) Hard Excavation	m <sup>3</sup>	100		
3/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	1200		
			-		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
D24.04	Devenuent lavore constructed from available from out of				
B34.01	Pavement layers constructed from gravel taken from cut or				
	borrow including free haul up to 1,0km				
	(h) Gravel wearing course compacted to	3	4.405		
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m <sup>3</sup>	1425		
	(iii) 95% Mos AASHTO Density 150mm using crushed material	m <sup>3</sup>	500		
34,02	Extra over item 34.01 for excavation of material in				
	(a) Intermediate material	m³	500		
24.07	Every aver for temporarily blading the material to windraw		50		
34,07	Extra over for temporarily blading the material to windrow	m <sup>3</sup>	50		
B34.14	Wet blading				
	(a) 6m road width (riding surface)	km	25		
	(b) 7m road width (riding surface)	km	25		
B34.15	Dry blading				
	(a) 6m road width (riding surface)	km	30		
	(b) 7m road width (riding surface)	km	20		
B34.16	Accessibility grading				
	(a) 6m road width (riding surface)	km	20		
	(b) 7m road width (riding surface)	km	-		Rate Only
B34.17	Special grading				
554.17	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII	<u>_</u>		
B34.18	Reshaping				
	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
B34.19	Heavy Maintenance				
004.10	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII	<u>_</u>		
B34.20	Gravel Patching				
	(a) Material from Borrow Pits	m³	500		
B34.21	Light Road Bed Preparation				
	(a) 6m road width	km	1		
	(b) 7m road width	km	1		
B34.22	Heavy Road Bed Preparation				
	(a) 6m road width	km	-		Rate Only
	(b) 7m road width	km	1		
B34.23	Gravel shoulder renair				
۵34.23	Gravel shoulder repair	L			
	(a) Ripping, watering, mixing, placing and compacting existing shoulders 95% Mod AASHTO density	to m <sup>3</sup>	880		
	(b) Extra over subitem (a) for adding extra material (free haul)	m <sup>3</sup>	220		
	(c) Extra over for subitem (a) for stabilizing material	m <sup>3</sup>	55		
B34.24	Removal of edge build-up				
	(a) Remove material and load for spoil	km	88		
	(b) Remove material and dispose of adjacent to road	km	176		
34/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	5775		
	Regravelling in short lengths up to 300m	m <sup>3</sup>	7500		
B34.26					

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3900	PATCHING AND REPAIRING EDGE BREAKS				
39,01	Sawing asphalt or cemented pavement layers for patching:				
	(a) Sawing asphalt to an average depth:		22000		
	(i) not exceeding 50mm	m	22000		
	BASE AND SURFACE REPAIR - PO3				
39,02	Excavation in existing pavements for patching in:		000		
	(a) Asphalt layers (b) Cemented layers	m³ m³	308		Rate On
	(c) Crushed stone base course	m <sup>3</sup>	1320		Nate Off
B39.03	Backfilling of excavations for patching with:				
	(a) Existing Base material stabilized with bituminous emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted base and ordinary cement	; 			
	@ 1% by mass of compacted base), for a patch with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	264		
	(iii Exceeding 100m <sup>2</sup>	m <sup>3</sup>	396		
	(b) G2 Base course material from commercial sources with bituminous				
	emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted				
	base and ordinary cement @ 1% by mass of compacted base), for a patch				
	with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	198		
	(iii Exceeding 100m <sup>2</sup>	m³	79		
	(c) G2 Base course material from Commercial Sources				
	(i) Not exceeding 5m <sup>2</sup>	m³	20		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	50		
	(iii Exceeding 100m <sup>2</sup>	m³	80		
	(d) Existing Base material stabilized with ordinary cement 2% by mass				
	for a patch with a surface area:	m³	20		
	(i) Not exceeding 50m <sup>2</sup> (ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iv Exceeding 150m <sup>2</sup>	m <sup>3</sup>	80		
B39.06	Tack coat (60% stable grade emulsion)	I	6160		
B39.07	Cold premix (applied 35 mm thick)				
B39.07	(a) Not exceeding 50m <sup>2</sup>	m²	1760		
	(b) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	2640		
	(c) Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	 m²	2640		
B39.08	Hot premix (applied 35 mm thick)				
	(a) Not exceeding 5m <sup>2</sup>	m²	88		
	(b) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	176		
	(c) Exceeding 100m <sup>2</sup>	m²	264		
B39.09	Temporary pothole repair (Not exceeding 1000mm x 1000mm) using				
200.00	(a) Cold premix	m³	440		
	(b) C4 (stabilised) material	m³	44		
	D FORWARD TO SUMMARY :		1 1		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4400	PRIME COAT				
4100					
41,01	Prime coat:				
-	(a) RTH 3/12P or RTL 3/12P tar prime	I	10		
	(b) Quick drying RTH 1/4P tar prime	I	10		
	(c) MC-30 cut-back bitumen	1	1000		
	(d) MC-70 cut-back bitumen	I	10		
	(e) Invert bitumen emulsion	I	10		
	(f) MC - 30 SP	I	10		
			-		
			-		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4600	BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)				
4000	bituminous single seal with sloket (Care seal)				
46,02	Bituminious single seal with 13.2mm aggregate and slurry:	m²	1000		
46,03	Bituminious binder variations:				
	(c) MC-3000 cut back bitumen	1	-		Rate Onl
	(f) Spray grade emulsion (65% bitumen content)	1	-		Rate Onl
46,04	Aggregate variations:				
	(a) 13.2mm nominal sized aggregate	m³	-		Rate Onl
46,05	Variation in the rate of application of the slurry:	m³	-		Rate Onl
CARRIED	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	RATE	AMOONT
000					
800	TREATMENT OF AN EXISTING SURFACE EXHIBITING CERTAIN DEFECTS				
	POTHOLE REPAIR - P01				
8 / 30 01	Sawing asphalt or cemented pavement layers for patching				
48 / 39.01	(a) Sawing asphalt to an average depth : (provisional sum)				
	(i) not exceeding 50 mm	m	11000		
8/39.02	Excavation in existing pavements for patching in				
	(c) Bituminous seal layers	m <sup>3</sup>	154		
18/B39.06	Tack Coat (60% spray grade emulsion)	<u> </u>	3080		
18/B39.07	Cold premix 35 mm thick		4400		
0/200.07			1100		
	SLACK AND DEPRESSION REPAIR - PO2				
348.04	Screed of asphalt or coarse slurry :				
	(a) Tack coat using 60% anionic emulsion diluted 50/50 with water	I	400		
	(b) Continuously - graded medium mixture asphalt	t	5		
	(c) Coarse grade slurry	m <sup>3</sup>	10		
	(d) Chip out 500mm by 35 mm strip	m²	200		
	CRACK SEALING - PO4				
48,06	Cleaning the cracks with compressed air	km	5		
48,07	Applying bituminous binders and herbicides for sealing cracks:				
	(a) Herbicide	I	500		
348.14	Contavtile and handage				
540.14	Geotextile seal bandage (a) Cracks and joints - 200 mm wide geotextile strip	m	100		
	(b) Cracked areas - geotextile		100		
	(i) Not exceeding 50m <sup>2</sup>	m²	100		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	200		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	300		
	(iv Exceeding 150m <sup>2</sup>	m²	400		
348.15	Crack sealing using Method 1 (sealant and crusher dust)		500		
	EDGE REPAIRS - PO5				
18/39.05	Cutting back the edges of the existing surface for repairing of				
	edge breaks ( avg depth = 80 mm )	m	4400		
348.05	Repairing edge breaks in surfacing				
	(a) Tack coat - 60% Anionic spray grade emulsion diluted 50/50 with water		924		
	(c) Reconstructing edges using cold premix	t	95		
	SLURRY SEAL TREATMENT - PO6				
348.03	Slurry seal				
. 10.00	(a) Tack coat using 30% bitumen emulsion		25256		
	(b) Slurry applied by hand (coarse grade slurry)				
	(i) Not exceeding 50m <sup>2</sup>	m²	880		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	4400		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	8800		
	(iv Exceeding 150m <sup>2</sup>	m²	22000		
			_		
		1	1		1

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	NATE	AMOONT
100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
1.01	Otana nitahina				
1,01	Stone pitching (b) Grouted stone pitching (Max 300mm width)	m²	100		
	(c) Grouted stone pitching (Max Soonin' Wath) (c) Grouted stone pitching on a concrete bed	m²	100		
			100		
	FORWARD TO SUMMARY	·			

	CT NO SCMU10-24/25-0004 (A-F)		1		
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	GABIONS				
2,01	Foundation trench excavation and backfilling:				
	(b) In all other classes of materials	m <sup>3</sup>	250		
2,02	Surface preparation for bedding the gabions	m²	100		
2,03	Gabions				
	(a) 1,0m wide by 1,0m wide				
	(i) by 1,0m long mesh 80mm	m <sup>3</sup>	400		
	(c) Galvanised gabion mattresses				
	(i) 0,6m diaphragm spacing, 6,0m long by 2,0m wide.				
	by 0,3m deep mesh 80mm	m <sup>3</sup>	300		
2,04	Filter fabric				
	(a) Grade 2 Bidum or similar approved (Needlepunch type)	m²	5000		
52.05	Dismantle and remove gabion structures	m <sup>3</sup>	50		
	FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5400					
400	GUARDRAILS				
4,01	Guardrails on timber posts:				
	(a) Galvanised	m	800		
4 03	Extra over items 54.01 for horizontally curved guardrails factory				
54,03	bent to a radius less than 45m	m	20		
54,04	End treatments:				
	(d) End treatments in accordance with the drawings where single guardrail sections are used	No	2		
			2		
54,05	Additional guardrail posts:				
	(a) Timber	No	20		
4,06	Reflective plates				
-7,00	(a) Red and white reflectors on new guardrails	No	100		
	(b) Red and white reflectors on existing guardrails	No	100		
54,07	Removing existing guardrails	m	750		
354.08	Renovating guardrail material:				
554.00	(a) Straightening of Guardrails (rolling)	m	200		
	(c) Cleaning and painting	m	200		
4,09	Re-erection of guardrails with recovered and / or new material:				
	(a) Single guardrail	m	200		
54,11	New material required for the re-erection of guardrails with				
	recovered material:				
	(b) Timber Posts	No	50		
	(d) Reflective plates	No	500		
	(e) Spacer blocks (f) Splice bolt complete with nut and washer	No No	200		
	(g) Post bolt complete with nut and washer	No	500		
	(h) Reinforcing plates	No	2		
54,12	Extra over item 54.01 for drilling and blasting holes for guardrail posts	No	5		
54,13	Steel base plates for timber guardrail posts on structures	No	5		
354.14	Adjusting spacer blocks and tightening bolts	No	100		
			+		
			+		
	FORWARD TO SUMMARY	1			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
600	ROAD SIGNS				
56.01	Road sign boards complete with supports with Class 1				
	retro-reflective background. Symbols and lettering in semi matt				
	black. Boarders in Class 1 retro- reflective material, where the				
	signboard is constructed from :				
	(c) Prepainted galvinised steel plate (1.2mm chromadek or				
	approved equivalent)				
	(i) 900mm diameter Round or Stop signs:	Nie	4		
	- R 1 - R 201 (60)	No. No.	1 2		
	(ii) 900mm Triangular signs:		_		
	- W101	No.	2		
	- W104	No.	2		
	- W107	No.	2		
	- W108	No.	2		
	- W327 - W350	No. No.	2		
	- W 350 (iii) 900mm Triangular Combination signs	INU.	<u> </u>		
	- WCE. 2 (W208 + for 5km)	No.	1		
	(iv) 150mm x 600mm Hazard Marker Signs				
	- W401	No.	30		
	- W402	No.	30		
	(v) 450mm x 450mm Hazard Marker Signs				
	- W405 - W406	No. No.	30 30		
	- ₩406	INO.	30		
56,03	Road sign supports:				
	(b) Timber				
	(i) 75mm diameter	m	100		
	(ii) 100mm diameter	m	100		
356.04	Kilometer Posts				
	(a) Painting existing kilometer posts	No.	30		
	(b) Supply and install new kilometer posts complete	No.	5		
56,05	Excavation and backfilling for road sign supports: (a) Excavation for sign supports	m <sup>3</sup>	20		
			20		
56,06	Extra over item 56.05 for cement treated backfill:				
	(a) With soilcrete	m <sup>3</sup>	10		
	) FORWARD TO SUMMARY	I	I		

	ACT NO SCMU10-24/25-0004 (A-F)			B 4 7 5	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700	ROAD MARKINGS				
57,02	Retro-reflective road-marking paint:				
	(a) White lines (i) 100mm wide solid	km	220		
	(i) 100mm wide broken	km	147		
	(iii 100mm wide solid (Wet Reflective Tape Series 380 WR ES or		147		
	similar approved	km	-		Rate Only
	(iv 100mm wide broken (Wet Reflective Tape Series 380 WR ES or				
	similar approved	km	-		Rate Only
	(b) Yellow lines				
	(i) 150mm wide solid	km	5		
	(d) White lettering and symbols	m²	100		
	(e) Yellow lettering and symbols	m²	50		
B57.08	"Glowline" or similar approved Retro-reflective cementitious road marking	m²	-		Rate Only
	compound				
57.04	Variationa in rate of annliastion.				
57,04	Variations in rate of application:				Dete Ort
	(a) White paint (b) Yellow paint		-		Rate Only Rate Only
	(d) Retro-reflective beads		-		Rate Only Rate Only
	(e) "Glowline" compound		-		Rate Only
					I tale only
57,05	Roadstuds (Rhino Yellow/Red or similar approved)	No	150		
57,06	Setting out and premarking the lines (excluding traffic island				
	markings, lettering and symbols)	km	367		
57,08	Removal of existing, temporary and permanent road markings by:				
	(a) Sandblasting	m²	100		
57,09	Removal of existing roadstuds	No	100		
<b>D</b> = = 00					
B57.09	Supply and lay "Vuka" bumps (or similar approved) as per	No	50		
	Manufacturer's specifications, inclusive of fitment complete				
		-			
		-	-		
		-			
					1

	CT NO SCMU10-24/25-0004 (A-F)		1		
FEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
00	FINISHING THE ROAD AND ROAD RESERVE AND TREATING				
	OLD ROADS				
59.01	Finishing road and road reserve				
	a) 0 to 15 degrees	ha	1		
	b) 15 to 30 degrees	ha	1		
	c) 30 to 45 degrees	ha	1		
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		1			
		-			
		1			1

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION		QUANTIT	NAIL	AMOUNT
100	FOUNDATIONS FOR STRUCTURES				
1,02	Excavation:				
	(a) Excavating soft material situated with the following successive				
	depth ranges:				
	(i) 0m up to 2m	m <sup>3</sup>	10		
	(b) Extra over sub-item 61.02(a) for excavation in hard material				
	irrespective of depth	m <sup>3</sup>	2		
1,04	Backfill to excavations utilising:				
,-	(a) Material from the excavation	m³	8		
4.00					
1,08	Foundation fill consisting of		F		
	(d) Mass concrete ( Class 15 MPa )	m <sup>3</sup>	5		
	D FORWARD TO SUMMARY				

TEM NO	ACT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			20/10/11		
200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
2,01	Formwork to provide class F2 surface finish				
	to concrete lined causeways	m²	350		
2,02	Vertical formwork to provide class F2 surface finish		0.50		
	to concrete lined causeways	m²	350		
					-
	D FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6300	STEEL REINFORCING FOR STRUCTURES				
63,01	Steel reinforcement for:				
	(a) Concrete-lined causeways (i) Welded steel fabric (Mesh Ref 395)	kg	1200		
	1				
	) FORWARD TO SUMMARY	1	ı.		

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	CONCRETE FOR STRUCTURES				
4,01	Cast in situ concrete				
,	(a) Class 25 /19	m <sup>3</sup>	80		
4,04	Epoxy bonding of new concrete surfaces to old	m²	12		
4,06	Demolishing existing concrete:				
	(b) Reinforced concrete in				
	(i) Causeways	m <sup>3</sup>	15		
****					

CONTRA	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING WORKMANSHIP AND MATERIALS				
81,02	Other special tests requested by the engineer, including acceptance control by an external laboratory	Prov.sum	1	40 000,00	40 000,00
81,03	Handling costs and profit in respect of 81.02	%	40000,00		
CARRIED	) FORWARD TO SUMMARY :				

TEMNO	CT NO SCMU10-24/25-0004 (A-F)			DATE	
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	CONTROLLING VEGETATION GROWTH - MOWING AND CUTTING				
91.01	Mowing the grass				
	(a) Shoulder mowing				
	(ii) Reserve with single carriageway, 3m wide strip on either side.	km	2640		
	(iii Reserve with single carriageway, fenceline to fenceline. (11.5m wide	km	5		
	strip on either side of the road)				
	Cutting of designated areas (a) Road signs, reference marker boards, guardrails etc	m²	5000		
	(b) Dangerous areas at intersections	m²	2000		
	(c) Sight triangle at intersections	m²	2000		
		111-	2000		

	CT NO SCMU10-24/25-0004 (A-F)				1
ΓΕΜ ΝΟ	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0300	EMERGENCY MAINTENANCE				
103.01	Contractor's mark-up for emergency maintenance	%	50000		
	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2000	Environmental Management Programme (EMPR)				
31200.01	Contractor's compliance with EMPR	Month	36		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO		UNIT	QUANTITY	RATE	AMOUNT
B13000	Occupational Health & Safety:				
B13001	Preparation of Contractor's site specific Health and Safety Plan	Lump sum	1		
	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
		Lump Sum	1		
B13003	Principal Contractor's time related obligations in respect of the				
	OHS Act and Construction Regulations	Month	36		
B13004	Provision for Personal Protective Equipment & Protective Clothing		20		
	(i) Reflective vests (ii) Reflective bibs	No No	20 20		
	(iii) Hard hats	No	20		
	(iv) Protective foot wear	No	20		
	(v) Earplugs	No	20		
	(vi) Dust masks	No	20		
B13005	Provision of full time Construction Health and Safety Officer	Month	26		
010000	Provision of full time Construction Health and Safety Officer	Month	36		
B13006	Costs of medical certificates and Medical Surveillance				
	(i) Initial (baseline) medical examinations	No	20		
	(ii) Exit examinations	No	20		
B13007	Induction Training	No	20		
B13008	Environmental Monitoring	No tests	1		
210000		110 10010			
B13009	Noise Monitoring	No	1		
B13010	Payment for Health & Safety representatives at meetings	Lump sum	1		
B13011	Provision of First Aid boxes	1	3		
D13011		Lump sum	3		
B13012	Transportation of Workers	Month	36		
B13013	Submission of the Health and Safety File	Lump sum	1		
	1				
			1		

CONTRAC	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15000	ME MANAGEMENT &TRAINING OF LOCAL LABOUR				
B15007	Training of Local Labour				
B15007.1	Conducting of skills audit of Local Labour and the development of a	Prov Sum	1	10 000,00	10 000,00
	Training Plan				
B150071a	Handling costs and charges for the Contractor on Item B15007.1	%	10 000,00		
B15007.2	Presenting Accredited training courses for Local Labour	Prov Sum	1	50 000,00	50 000,00
B15007.3	Mark Up for Management of ME's	%	13 500 000,00		
B15007.4	Provision of bridging finance to ME's (only CIDB 1 & 2)	%	1 350 000,00		
B15007.4	Provisional Sum for Variance to Tender Rates of MEs	Prov Sum	1	1 350 000,00	1 350 000,00
CARRIED	FORWARD TO SUMMARY :	1			

## **PROVINCE OF THE EASTERN CAPE**

## **DEPARTMENT OF TRANSPORT**

## TENDER NO. SCMU10-24/25-0004E

## MAINTENANCE WORKS IN NYANDENI

Section 1200	General Requirements and Provisions	R
Section 1300	Preliminary and General	R
Section 1400	Housing and Offices for Engineer's Personnel	R
Section 1700	Clearing and Grubbing	R
Section 1800	Collection and Removal of Debris and Litter	R
Section 1900	Dayworks (Provisional)	R
Section 2100	Drains	R
Section 2200	Prefabricated Culverts	R
Section 2400	Asphalt and Concrete Berms	R
Section 3100	Borrow Materials	R
Section 3200	Selections, Stockpiling and Breaking Down the Material from Borrow Pits, Cuttings and Existing Pavement Layers, and Placing and Compacting the Gravel Layers	R
Section 3300	Mass Earthworks	R
Section 3400	Pavement Layers of Gravel Material	R
Section 3900	Patching and Repairing Edge Breaks	R
Section 4100	Prime Coat	R
Section 4600	Bituminous Single Seal with Slurry (Cape Seal)	R
Section 4800	Treatment of an Existing Surface	R
Section 5100	Pitching, Stonework and Protection against Erosion	R
Section 5200	Gabions	R
Section 5400	Guardrails	R
Section 5500	Fencing	R
Section 5600	Road Signs	R
Section 5700	Road Markings	R
Section 5900 and Treating C	Finishing the Roads and Road Reserve	R
Section 6100	Foundations for Structures	R
Section 6200	Falsework, Formwork and Concrete Finish	R
Section 6300	Steel Reinforcing for Structures	R

Section 6400	Concrete for Structures	R
Section 8100	Testing Workmanship and Materials	
Section 9100	Controlling Vegetation Growth – Mowing and Cutting	R
Section 10300	Emergency Maintenance	R
Section 12000	Environmental Management Programme Implementation	R
Section 13000	Occupation Health & Safety	R
Section 15000	ME Management and Training of Local Labour	R
TOTAL		R
TOTAL	OF TENDER	R
NETT TOTAL (	<b>OF TENDER</b> OR ESCALATION	
NETT TOTAL (		R
NETT TOTAL ( ALLOW 15% F SUB TOTAL		<b>R</b>

THE CONTRACT IS SUBJECT TO CONTRACT PRICE ADJUSTMENT.

D: MAINTENANCE WORKS IN MHLONTLO

	CT NO SCMU10-24/25-0004 (A-F)	r	₁		
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1200	GENERAL REQUIREMENTS AND PROVISIONS				
	Community Liaison Officer:				
	(a) Community Liaison Officer cost	Prov. Sum	1		
	(b) Monthly transport allowance for CLO for duration of Contract	Prov. Sum	1		
	(c) Remuneration of PSC representatives from the community to attend official meetings	Prov. Sum	1		
	(d) Handling costs and charges for Contractor on items B12.01 (a) to (c)	%	R205 200		
312.05	Protection of Existing Services	Prov. Sum	1		
312.06	Handling costs and charges for the Contractor on item B12.05	%	R10 000		
312.07	Provision of hire of Plant by the Contractor for the Department for	Prov. Sum	1		
	emergency work outside of the LMA				
312.08	Handling costs and charges for the Contractor on item B12.07	%	R20 000		
312.09	Provision of hire of Operators by the Contractor for the Department	Prov. Sum	1		
312.10	Handling costs and charges for the Contractor on item B12.09	%	R5 000		
312.11	Provision of Contract Management to Household Contractors	Month	36		
	within the LMA				
312.12	Installation of Contract Name Boards	No.	5		
		1	1		1

	CT NO SCMU10-24/25-0004 (A-F)	1	,		1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL				
	OBLIGATIONS				
13.01	The contractor's general obligations:				
13.01	The contractor's general obligations.				
	(b) Value-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	%	R 3 000 000		
	(ii) R2.0 - R4.0 mil	%	R 6 000 000		
	(iii) R4.0mil - R6.0 mil	%	R 11 000 000		
	(iv) Greater than R6.0 mil	%	R 14 000 000		
	(c) Time-related obligations for works assignments ranging between:				
	(i) R0 - R2.0 mil	Month	3		
	(ii) R2.0 - R4.0 mil	Month	3		
	(iii) R4.0mil - R6.0 mil	Month	12		
	(iv) Greater than R6.0 mil	Month	12		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
317.01	Clearing and grubbing	ha	66		
317.02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 0,5m up to and including 1m	No	50		
	(b) Girth exceeding 1m up to and including 2m	No	220		
	(c) Girth exceeding 2m up to and including 3m	No	44		
7,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m²	10800		
17.05					
317.05	Cleaning out of hydraulic structures	-			
	(a) Pipes with an internal diameter up to and including 750mm	m <sup>3</sup>	1080		
	(b) Pipes with an internal diameter exceeding 750mm	3	108		
	(c) Box culverts up to and including 1.5m internal vertical dimension	m <sup>3</sup>	108		
317.08	Removal of undesirable vegetation	m²	66000		
317.09	Shredding of vegetation cuttings in situ	m³	66,0		
511.03	שוויכעמווא טו זכעבומוטוו לעונוואט ווו שונע	1112	00,0		
7/16.02	Overhaul on material hauled in excess of 1.0km (ordinary		-		
~~~~~	overhaul)	m³-km	660		
217 10	Clearing and grubbing nerrow string	<b>m</b> <sup>2</sup>	100		
317.10	Clearing and grubbing narrow strips	m²	100		

	CT NO SCMU10-24/25-0004 (A-F)		1			
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT	
31800	COLLECTION AND REMOVAL OF DEBRIS AND LITTER					
318.01	Clearing of the road reserve					
	(a) Trunk and Main roads (30m wide road reserve)	km	1320			
	(b) District roads (25m wide road reserve)	km	1320			
18.02	Replacing of damaged facilities					
10.02	(a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
10.02	Treatment of evicting concrete root area furniture					
18.03	Treatment of existing concrete rest area furniture (a) Litter containers	No	9			
	(b) Tables	No	35			
	(c) Benches	No	9			
18.04	Treatment of existing concrete bridge balustrades					
	(a) Balustrades	m²	810			
318.05	Cleaning of Rest Areas as well as removal of litter					
	(a) Within 50km from main Site Camp	No	9			
	(b) Between 50 km and 150 km from main Site Camp	No	9			
	(c) Further than 150 km from main Site Camp	No	9			
			_			
					-	
			1 1			
-	FORWARD TO SUMMARY :	•	· · · ·			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
B1900	DAYWORKS (PROVISIONAL )				
B19.01	Personnel during normal working hours				
	(a) Unskilled labour	hr	40		
	(b) Semi-skilled labour	hr	10		
	(c) Skilled labour	hr	10		
	(d) Ganger	hr	10		
	(e) Flagman	hr	20		
B19.02	Plant				
	(a) Flat bed truck (specify size)	hr	9		
	(b) Tipper Trucks - 3 to 5 ton capacity	hr	150		
	(c) Tipper Trucks - more than 5 ton	hr	18		
	(d) Loader (0.5m <sup>3</sup> ) bucket	hr	9		
	(e) TLB (digger loader)	hr	150		
	(f) Excavator (20-30 ton)	hr	9		
	(g) Grader (AT 140 G or similar)	hr	18		
	(h) Compactor (Bomag 90 or similar)	hr	9		
	(i) Water truck (11000 liter)	hr	9		
	(j) Dozer (D7 or similar))	hr	9		
	(k) Mechanical broom	hr	9		
	(I) Tractor-trailor combination (43kw, 3 ton minimum)	hr	9		
	(m) Suitable truck/but for transporting labourers (30 people minimum)	hr	9		
	(n) Safety vehicle for pre-marking purposes	hr	9		
	(o) Compressor (air) including hose and tools (specify)	hr	9		
	(p) Dewatering pump including generators and accessories (specify size		9		
	(q) Mobile electric welding sets and accessories (specify size)	hr	9		
	(r) Cutting torch with mobile electic & oxy aceylene installation	hr	9		
	(s) Mobile concrete mixer	hr	9		
	(t) Light delivery vehicle	hr	40		
	(u) Centre-mount crane (specify size)	hr	9		
	(v) Low bed truck (specify size)	km	500		
	(w) Other Specify	hr			
B19.03	Materials				
D10.00	(a) Procurement of materials	Prov Sum	1		
	(b) Contractor's handling costs, profit and all other charges in respect	1100 Odin	•		
	of subitem B19.03(a)	%	100000		
	or oublion brotoo(u)	/0	100000		
			1		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0400	22.112				
2100	DRAINS				
B21.01	Excavation of open drains				
	(a) Excavating soft material situated within the following depth ranges				
	below the surface level				
	(i) 0m up to 1,5m	m³	2700		
	(b) Extra over subitem B21.01(a) for excavation in hard material,		_		
	irrespective of depth	m <sup>3</sup>	5		
B21.02	Clearing and shaping existing open drains	M3	1080		
21,05	Banks and dykes	m³	-		Rate Onl
21 15			400		
21,15	Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul)	m³-km	432		
	(normal overhau)				
21,16	Backfilling existing eroded side drains	m³	200		
04.47		N.			
21,17	Test flushing of pipe subsoil drains	No	2		
321.18	Clearing of concrete drainage channels				
	(a) Side drains, median drains and the like	m²	8800		
	(c) Other drains and channels within the following invert ranges				
	(i) less than 1.0m	m²	4400		
	(ii) 1.0m to 2.0m	m²	4400		
21,19	Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density	m <sup>3</sup>	200		
B21.20	Clearing and shaping side and mitre drains by road grader	m	350		
B21.21	Exposing of existing subsoil drains	m <sup>3</sup>	5		
B21.22	Clearing of subsoil drains	m	500		
B21.03	Excavation in all material for subsurface drains				
	(i) Om up to 1.5m	m³	100		
B21.04	Impermeable backfill to subsoil drainage system	m³	150		
<b>DO1 00</b>			450		
B21.06	Natural permeable backfill (19mm Crushed stone) from approved sources on site	m <sup>3</sup>	150		
B21.07	Coarse sand from approved sources on site	m³	50		
B21.08	Pipes in subsoil drainage systems:				
	(a) Perforated pitchfibre pipe (150mm)	m	500		
	(b) Non perforated pitchfibre pipe (150mm)	m	500		
B21.10	Grade 2 Geotextile	m²	750		
<b>Da</b> 4 4 <b>a</b>					
B21.12	Concrete outlet structures	Nie	40		
	(a) Outlet structures	No	10		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
2200					
22,01	Excavation				
	(a) Excavating soft material situated within the following depth ranges				
	below the level surface level (i) Om up to 1,5m	m <sup>3</sup>	30		
	(ii) Exceeding 1,5m and up to 3,0m	m <sup>3</sup>	10		
	(b) Extra over subitem 22.01(a) for excavation in hard material,				-
	irrespective of depth	m <sup>3</sup>	5		-
22,02	Backfilling				
	(a) Using the excavated material (b) Using imported selected material	m <sup>3</sup>	30 10		
	(c) Extra over subitem 22.02(a) and (b) for soil cement backfilling	m <sup>3</sup>	10		
					-
22,03	Concrete pipe culvert				
	(c) On Class B bedding				
	(i) 600 mm dia class 100D	m	0 30		
	(ii) 900 mm dia class 100D	m	30		
22,05	Portal and rectangular culverts				
	(a) complete with prefabricated floor slab				
	(i) 1200x1200 class 150S or equivalent	m	100		
	(ii) 1500x1500 class 150S or equivalent	m	100		
	(iii) 1800x1800 class 150S or equivalent (iv) 2100x2100 class 150S or equivalent	m	100		
	(v) 2400x2400 class 150S or equivalent (v) 2400x2400 class 150S or equivalent	m	100		
		m	100		
22,07	Cast in situ concrete and formwork				
	(a) In Class A bedding, screeds and encasing of pipes, Class 25/19 concrete	m <sup>3</sup>	10		
	(b) In Floor Slabs for Portal Culverts, Including formwork, joints and class U2				
	surface finish (Class 30/19mm Concrete)	m <sup>3</sup>	300,00		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes, thrust and anchor blocks, excluding formwork but including class				
	U2 surface finish ( 25MPa / 19)	m <sup>3</sup>	378		
	(d) Formwork for concrete under subitem 22.07(a & c) above	m²	2008		
22,10	Steel reinforcement		6.4		-
	(b) High tensile steel (c) Welded mesh	t kg	6,1 6640		
		Ng	0040		
22,13	Removing and re-laying existing pipes				
	(i) 600 mm	m	14		
22,14	Removing and disposing of existing pipes	m	14		
22,25	Overhaul on excavated material as described, in excess of the	m³-km	40		
	free haul distance of 1.0 km				
					-

	CT NO SCMU10-24/25-0004 (A-F)				1
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	ASPHALT AND CONCRETE BERMS				
	Asphalt berms:				
	(a) Placed where there are no guardrails (Cold premix)	m	220		
	(b) Placed at existing guardrails (Cold premix)	m	220		
4,03	Prime and tack coats:				
	(a) Prime coat:				
	(i) Under asphalt berms (MC-30 cutback bitumen)	m²	92		
	(b) Tack coat	m²	92		

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	BORROW MATERIALS				
1,01	Excess overburden (provisional)	m <sup>3</sup>	300		
1,03	Finishing-off borrow areas	ha	0,3		

	CT NO SCMU10-24/25-0004 (A-F)		QUANTITY	DATE	
EM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	SELECTIONS, STOCKPILING AND BREAKING-DOWN THE				
	MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING				
	PAVEMENT LAYERS, AND PLACING AND COMPACTING				
	THE GRAVEL LAYERS				
2,01	Providing a crushing and / or screening plant:				
,	(a) Single-stage crusher	No	3		
2,02	Re-erecting the crushing and / or screening plant:				
2,02	(a) Single-stage crusher	No	1		
2,03	Crushing and screening: (a) Single-stage crushing (-53)	m <sup>3</sup>	500		
2,05	Additional normal grid rolling (Normal - min of 4 passes)	m <sup>3</sup>	200		
2,06	Stockpiling of material (for use by department)	m <sup>3</sup>	500		
	FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	MASS EARTHWORKS				
3,01	Cut and borrow to fill, including freehaul up to 1,0 km:				
	(a) Material in compacted layer thickness of 200mm and less :				
	(ii) Compacted to 93% of mod AASHTO	m <sup>3</sup>	300		
3,03	Extra over item 33.01 for excavating and breaking down				
0,00	materials in :				
	(a) Intermediate Excavation	m <sup>3</sup>	250		
	(b) Hard Excavation	m <sup>3</sup>	250		
			230		
3,04	Cut to spoil, including free haul up to 1.0km. Material obtained				
	from :		100		
	(a) Soft excavation	m <sup>3</sup>			
	(b) Intermediate excavation	m <sup>3</sup>	100		
	(c) Hard Excavation	m <sup>3</sup>	100		
3/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	1200		
			-		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
D24.04	Devenuent lavore constructed from available from out of				
B34.01	Pavement layers constructed from gravel taken from cut or				
	borrow including free haul up to 1,0km				
	(h) Gravel wearing course compacted to	3	4.405		
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m <sup>3</sup>	1425		
	(iii) 95% Mos AASHTO Density 150mm using crushed material	m <sup>3</sup>	500		
34,02	Extra over item 34.01 for excavation of material in				
	(a) Intermediate material	m <sup>3</sup>	500		
24.07	Every aver for temporarily blading the material to windraw		50		
34,07	Extra over for temporarily blading the material to windrow	m <sup>3</sup>	50		
B34.14	Wet blading				
	(a) 6m road width (riding surface)	km	25		
	(b) 7m road width (riding surface)	km	25		
B34.15	Dry blading				
	(a) 6m road width (riding surface)	km	30		
	(b) 7m road width (riding surface)	km	20		
B34.16	Accessibility grading				
	(a) 6m road width (riding surface)	km	20		
	(b) 7m road width (riding surface)	km	-		Rate Only
B34.17	Special grading				
004.17	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII			
B34.18	Reshaping				
	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
B34.19	Heavy Maintenance				
004.10	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		KIII			
B34.20	Gravel Patching				
	(a) Material from Borrow Pits	m <sup>3</sup>	500		
B34.21	Light Road Bed Preparation				
	(a) 6m road width	km	1		
	(b) 7m road width	km	1		
D04.00	Henry Deed Ded Descention				
B34.22	Heavy Road Bed Preparation				
	(a) 6m road width (b) 7m road width	km km	- 1		Rate Only
		km	1		
B34.23	Gravel shoulder repair				
207.20	<ul><li>(a) Ripping, watering, mixing, placing and compacting existing shoulders</li></ul>	1 to			
	95% Mod AASHTO density	m <sup>3</sup>	880		
	(b) Extra over subitem (a) for adding extra material (free haul)	m <sup>3</sup>	220		
	(c) Extra over subitem (a) for stabilizing material	m <sup>3</sup>	55		
B34.24	Removal of edge build-up				
	(a) Remove material and load for spoil	km	88		
	(b) Remove material and dispose of adjacent to road	km	176		
34/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	5775		
B34.26	Regravelling in short lengths up to 300m	m <sup>3</sup>	7500		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3900	PATCHING AND REPAIRING EDGE BREAKS				
39,01	Sawing asphalt or cemented pavement layers for patching:				
	(a) Sawing asphalt to an average depth:		22000		
	(i) not exceeding 50mm	m	22000		
	BASE AND SURFACE REPAIR - PO3				
39,02	Excavation in existing pavements for patching in:		000		
	(a) Asphalt layers (b) Cemented layers	m³ m³	308		Rate On
	(c) Crushed stone base course	m <sup>3</sup>	1320		Nate Off
B39.03	Backfilling of excavations for patching with:				
	(a) Existing Base material stabilized with bituminous emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted base and ordinary cement	; 			
	@ 1% by mass of compacted base), for a patch with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	264		
	(iii Exceeding 100m <sup>2</sup>	m <sup>3</sup>	396		
	(b) G2 Base course material from commercial sources with bituminous				
	emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted				
	base and ordinary cement @ 1% by mass of compacted base), for a patch				
	with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	198		
	(iii Exceeding 100m <sup>2</sup>	m³	79		
	(c) G2 Base course material from Commercial Sources				
	(i) Not exceeding 5m <sup>2</sup>	m³	20		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	50		
	(iii Exceeding 100m <sup>2</sup>	m³	80		
	(d) Existing Base material stabilized with ordinary cement 2% by mass				
	for a patch with a surface area:	m³	20		
	(i) Not exceeding 50m <sup>2</sup> (ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iv Exceeding 150m <sup>2</sup>	m <sup>3</sup>	80		
B39.06	Tack coat (60% stable grade emulsion)	I	6160		
B39.07	Cold premix (applied 35 mm thick)				
B39.07	(a) Not exceeding 50m <sup>2</sup>	m²	1760		
	(b) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	2640		
	(c) Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	 m²	2640		
B39.08	Hot premix (applied 35 mm thick)				
	(a) Not exceeding 5m <sup>2</sup>	m²	88		
	(b) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	176		
	(c) Exceeding 100m <sup>2</sup>	m²	264		
B39.09	Temporary pothole repair (Not exceeding 1000mm x 1000mm) using				
200.00	(a) Cold premix	m³	440		
	(b) C4 (stabilised) material	m³	44		
	D FORWARD TO SUMMARY :		1 1		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4400	PRIME COAT				
4100					
41,01	Prime coat:				
-	(a) RTH 3/12P or RTL 3/12P tar prime	I	10		
	(b) Quick drying RTH 1/4P tar prime	I	10		
	(c) MC-30 cut-back bitumen	1	1000		
	(d) MC-70 cut-back bitumen	I	10		
	(e) Invert bitumen emulsion	I	10		
	(f) MC - 30 SP	I	10		
			-		
			-		
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4600	BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)				
4000	bituminous single seal with sloket (Care seal)				
46,02	Bituminious single seal with 13.2mm aggregate and slurry:	m²	1000		
46,03	Bituminious binder variations:				
	(c) MC-3000 cut back bitumen	1	-		Rate Onl
	(f) Spray grade emulsion (65% bitumen content)	1	-		Rate Onl
46,04	Aggregate variations:				
	(a) 13.2mm nominal sized aggregate	m³	-		Rate Onl
46,05	Variation in the rate of application of the slurry:	m³	-		Rate Onl
CARRIED	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	RATE	AMOONT
000					
800	TREATMENT OF AN EXISTING SURFACE EXHIBITING CERTAIN DEFECTS				
	POTHOLE REPAIR - P01				
8 / 30 01	Sawing asphalt or cemented pavement layers for patching				
67 33.01	(a) Sawing asphalt to an average depth : (provisional sum)				
	(i) not exceeding 50 mm	m	11000		
8/39.02	Excavation in existing pavements for patching in				
	(c) Bituminous seal layers	m <sup>3</sup>	154		
18/B39.06	Tack Coat (60% spray grade emulsion)	<u> </u>	3080		
18/B39.07	Cold premix 35 mm thick		4400		
0/200.07			1100		
	SLACK AND DEPRESSION REPAIR - PO2				
B48.04	Screed of asphalt or coarse slurry :				
	(a) Tack coat using 60% anionic emulsion diluted 50/50 with water	I	400		
	(b) Continuously - graded medium mixture asphalt	t	5		
	(c) Coarse grade slurry	m <sup>3</sup>	10		
	(d) Chip out 500mm by 35 mm strip	m²	200		
	CRACK SEALING - PO4				
48,06	Cleaning the cracks with compressed air	km	5		
48,07	Applying bituminous binders and herbicides for sealing cracks:				
	(a) Herbicide	I	500		
348.14	Contavtile and handage				
540.14	Geotextile seal bandage (a) Cracks and joints - 200 mm wide geotextile strip	m	100		
	(b) Cracked areas - geotextile		100		
	(i) Not exceeding 50m <sup>2</sup>	m²	100		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	200		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	300		
	(iv Exceeding 150m <sup>2</sup>	m²	400		
348.15	Crack sealing using Method 1 (sealant and crusher dust)		500		
	EDGE REPAIRS - PO5				
18/39.05	Cutting back the edges of the existing surface for repairing of				
	edge breaks ( avg depth = 80 mm )	m	4400		
348.05	Repairing edge breaks in surfacing				
	(a) Tack coat - 60% Anionic spray grade emulsion diluted 50/50 with water		924		
	(c) Reconstructing edges using cold premix	t	95		
	SLURRY SEAL TREATMENT - PO6				
348.03	Slurry seal				
. 10.00	(a) Tack coat using 30% bitumen emulsion		25256		
	(b) Slurry applied by hand (coarse grade slurry)				
	(i) Not exceeding 50m <sup>2</sup>	m²	880		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	4400		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	8800		
	(iv Exceeding 150m <sup>2</sup>	m²	22000		
			_		
		1	1		1

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	NATE	AMOONT
100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
1.01	Otana nitahina				
1,01	Stone pitching (b) Grouted stone pitching (Max 300mm width)	m²	100		
	(c) Grouted stone pitching (Max Soonin' Wath) (c) Grouted stone pitching on a concrete bed	m²	100		
			100		
	FORWARD TO SUMMARY	·			

	CT NO SCMU10-24/25-0004 (A-F)		1		
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	GABIONS				
2,01	Foundation trench excavation and backfilling:				
	(b) In all other classes of materials	m <sup>3</sup>	250		
2,02	Surface preparation for bedding the gabions	m²	100		
2,03	Gabions				
	(a) 1,0m wide by 1,0m wide				
	(i) by 1,0m long mesh 80mm	m <sup>3</sup>	400		
	(c) Galvanised gabion mattresses				
	(i) 0,6m diaphragm spacing, 6,0m long by 2,0m wide.				
	by 0,3m deep mesh 80mm	m <sup>3</sup>	300		
2,04	Filter fabric				
	(a) Grade 2 Bidum or similar approved (Needlepunch type)	m²	5000		
52.05	Dismantle and remove gabion structures	m <sup>3</sup>	50		
	FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5400					
400	GUARDRAILS				
4,01	Guardrails on timber posts:				
	(a) Galvanised	m	800		
4,03	Extra over items 54.01 for horizontally curved guardrails factory				
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	bent to a radius less than 45m	m	20		
54,04	End treatments:				
	(d) End treatments in accordance with the drawings where single guardrail sections are used	No	2		
			2		
54,05	Additional guardrail posts:				
	(a) Timber	No	20		
4,06	Reflective plates				
-7,00	(a) Red and white reflectors on new guardrails	No	100		
	(b) Red and white reflectors on existing guardrails	No	100		
54,07	Removing existing guardrails	m	750		
354.08	Renovating guardrail material:				
554.00	(a) Straightening of Guardrails (rolling)	m	200		
	(c) Cleaning and painting	m	200		
4,09	Re-erection of guardrails with recovered and / or new material:				
	(a) Single guardrail	m	200		
54,11	New material required for the re-erection of guardrails with				
	recovered material:				
	(b) Timber Posts	No	50		
	(d) Reflective plates	No	500		
	(e) Spacer blocks (f) Splice bolt complete with nut and washer	No No	200		
	(g) Post bolt complete with nut and washer	No	500		
	(h) Reinforcing plates	No	2		
54,12	Extra over item 54.01 for drilling and blasting holes for guardrail posts	No	5		
54,13	Steel base plates for timber guardrail posts on structures	No	5		
354.14	Adjusting spacer blocks and tightening bolts	No	100		
			+		
	FORWARD TO SUMMARY	1			

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5500	FENCING (emergency repairs)				
55,01	Clearing the fence line, 2m wide strip	km	15		
55,01		KIII	15		
B55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or				~
	removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors:				
	(i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:				
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii;Horizontal: - Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	No	150		
	ען) דיין אויפ אויפ איז אפווטא אפווזג 	km	15		
B55.03	New gates				
000.00	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
					~
B55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
55,07	Ringbolts for anchoring fencing to structures	No	15		
B55.10	Trimming the fence line, 2m wide strip	km	8		

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
600	ROAD SIGNS				
56.01	Road sign boards complete with supports with Class 1				
	retro-reflective background. Symbols and lettering in semi matt				
	black. Boarders in Class 1 retro- reflective material, where the				
	signboard is constructed from :				
	(c) Prepainted galvinised steel plate (1.2mm chromadek or				
	approved equivalent)				
	(i) 900mm diameter Round or Stop signs:	Nie	4		
	- R 1 - R 201 (60)	No. No.	1 2		
	(ii) 900mm Triangular signs:		_		
	- W101	No.	2		
	- W104	No.	2		
	- W107	No.	2		
	- W108	No.	2		
	- W327 - W350	No. No.	2		
	- W 350 (iii) 900mm Triangular Combination signs	INU.	<u> </u>		
	- WCE. 2 (W208 + for 5km)	No.	1		
	(iv) 150mm x 600mm Hazard Marker Signs				
	- W401	No.	30		
	- W402	No.	30		
	(v) 450mm x 450mm Hazard Marker Signs				
	- W405 - W406	No. No.	30 30		
	- ₩406	INO.	30		
56,03	Road sign supports:				
	(b) Timber				
	(i) 75mm diameter	m	100		
	(ii) 100mm diameter	m	100		
356.04	Kilometer Posts				
	(a) Painting existing kilometer posts	No.	30		
	(b) Supply and install new kilometer posts complete	No.	5		
56,05	Excavation and backfilling for road sign supports: (a) Excavation for sign supports	m <sup>3</sup>	20		
			20		
56,06	Extra over item 56.05 for cement treated backfill:				
	(a) With soilcrete	m <sup>3</sup>	10		
	) FORWARD TO SUMMARY	I	I		

	ACT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700	ROAD MARKINGS				
57,02	Retro-reflective road-marking paint: (a) White lines				
	(i) 100mm wide solid	km	220		
	(i) 100mm wide broken	km	147		
	(iii 100mm wide solid (Wet Reflective Tape Series 380 WR ES or	NII	147		
	similar approved	km	-		Rate Only
	(iv 100mm wide broken (Wet Reflective Tape Series 380 WR ES or				
	similar approved	km	-		Rate Only
	(b) Yellow lines				
	(i) 150mm wide solid	km	5		
	(d) White lettering and symbols	m²	100		
	(e) Yellow lettering and symbols	m²	50		
B57.08	"Glowline" or similar approved Retro-reflective cementitious road marking	m²	-		Rate Only
	compound				
57.04					
57,04	Variations in rate of application:				Data Oak
	(a) White paint (b) Yellow paint		-		Rate Only Rate Only
	(d) Retro-reflective beads		-		Rate Only Rate Only
	(e) "Glowline" compound		-		Rate Only
					I tale only
57,05	Roadstuds (Rhino Yellow/Red or similar approved)	No	150		
57,06	Setting out and premarking the lines (excluding traffic island				
	markings, lettering and symbols)	km	367		
57,08	Removal of existing, temporary and permanent road markings by:				
	(a) Sandblasting	m²	100		
57,09	Removal of existing roadstuds	No	100		
<b>D</b> = = 00			50		
B57.09	Supply and lay "Vuka" bumps (or similar approved) as per	No	50		
	Manufacturer's specifications, inclusive of fitment complete				

	CT NO SCMU10-24/25-0004 (A-F)		1		
FEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
00	FINISHING THE ROAD AND ROAD RESERVE AND TREATING				
	OLD ROADS				
59.01	Finishing road and road reserve				
	a) 0 to 15 degrees	ha	1		
	b) 15 to 30 degrees	ha	1		
	c) 30 to 45 degrees	ha	1		
		ļ			
		-			
		-			
		1			
		-			
		1			1

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION		QUANTIT	NAIL	AMOUNT
100	FOUNDATIONS FOR STRUCTURES				
1,02	Excavation:				
	(a) Excavating soft material situated with the following successive				
	depth ranges:				
	(i) 0m up to 2m	m <sup>3</sup>	10		
	(b) Extra over sub-item 61.02(a) for excavation in hard material				
	irrespective of depth	m <sup>3</sup>	2		
1,04	Backfill to excavations utilising:				
,-	(a) Material from the excavation	m³	8		
4.00					
1,08	Foundation fill consisting of		F		
	(d) Mass concrete ( Class 15 MPa )	m <sup>3</sup>	5		
	D FORWARD TO SUMMARY				

TEM NO	ACT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
			20/10/11		
200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
2,01	Formwork to provide class F2 surface finish				
	to concrete lined causeways	m²	350		
2,02	Vertical formwork to provide class F2 surface finish		0.50		
	to concrete lined causeways	m²	350		
					-
	D FORWARD TO SUMMARY				

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
6300	STEEL REINFORCING FOR STRUCTURES				
63,01	Steel reinforcement for:				
	(a) Concrete-lined causeways (i) Welded steel fabric (Mesh Ref 395)	kg	1200		
	1				
	) FORWARD TO SUMMARY	1	ı.		

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	CONCRETE FOR STRUCTURES				
4,01	Cast in situ concrete				
,	(a) Class 25 /19	m <sup>3</sup>	80		
4,04	Epoxy bonding of new concrete surfaces to old	m²	12		
4,06	Demolishing existing concrete:				
	(b) Reinforced concrete in				
	(i) Causeways	m <sup>3</sup>	15		
****					

CONTRA	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
8100	TESTING WORKMANSHIP AND MATERIALS				
81,02	Other special tests requested by the engineer, including acceptance control by an external laboratory	Prov.sum	1	40 000,00	40 000,00
81,03	Handling costs and profit in respect of 81.02	%	40000,00		
CARRIED	) FORWARD TO SUMMARY :				

TEMNO	CT NO SCMU10-24/25-0004 (A-F)			DATE	
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	CONTROLLING VEGETATION GROWTH - MOWING AND CUTTING				
91.01	Mowing the grass				
	(a) Shoulder mowing				
	(ii) Reserve with single carriageway, 3m wide strip on either side.	km	2640		
	(iii Reserve with single carriageway, fenceline to fenceline. (11.5m wide	km	5		
	strip on either side of the road)				
	Cutting of designated areas (a) Road signs, reference marker boards, guardrails etc	m²	5000		
	(b) Dangerous areas at intersections	m²	2000		
	(c) Sight triangle at intersections	m²	2000		
		111-	2000		

	CT NO SCMU10-24/25-0004 (A-F)				1
ΓΕΜ ΝΟ	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0300	EMERGENCY MAINTENANCE				
103.01	Contractor's mark-up for emergency maintenance	%	50000		
	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2000	Environmental Management Programme (EMPR)				
31200.01	Contractor's compliance with EMPR	Month	36		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO		UNIT	QUANTITY	RATE	AMOUNT
B13000	Occupational Health & Safety:				
B13001	Preparation of Contractor's site specific Health and Safety Plan	Lump sum	1		
	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
		Lump Sum	1		
B13003	Principal Contractor's time related obligations in respect of the				
	OHS Act and Construction Regulations	Month	36		
B13004	Provision for Personal Protective Equipment & Protective Clothing		20		
	(i) Reflective vests (ii) Reflective bibs	No No	20 20		
	(iii) Hard hats	No	20		
	(iv) Protective foot wear	No	20		
	(v) Earplugs	No	20		
	(vi) Dust masks	No	20		
B13005	Provision of full time Construction Health and Safety Officer	Month	26		
010000	Provision of full time Construction Health and Safety Officer	Month	36		
B13006	Costs of medical certificates and Medical Surveillance				
	(i) Initial (baseline) medical examinations	No	20		
	(ii) Exit examinations	No	20		
B13007	Induction Training	No	20		
B13008	Environmental Monitoring	No tests	1		
210000		110 10010			
B13009	Noise Monitoring	No	1		
B13010	Payment for Health & Safety representatives at meetings	Lump sum	1		
B13011	Provision of First Aid boxes	1	3		
D13011		Lump sum	3		
B13012	Transportation of Workers	Month	36		
B13013	Submission of the Health and Safety File	Lump sum	1		
	1				
			1		

CONTRAC	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15000	ME MANAGEMENT &TRAINING OF LOCAL LABOUR				
B15007	Training of Local Labour				
B15007.1	Conducting of skills audit of Local Labour and the development of a	Prov Sum	1	10 000,00	10 000,00
	Training Plan				
B150071a	Handling costs and charges for the Contractor on Item B15007.1	%	10 000,00		
B15007.2	Presenting Accredited training courses for Local Labour	Prov Sum	1	50 000,00	50 000,00
B15007.3	Mark Up for Management of ME's	%	13 500 000,00		
B15007.4	Provision of bridging finance to ME's (only CIDB 1 & 2)	%	1 350 000,00		
B15007.4	Provisional Sum for Variance to Tender Rates of MEs	Prov Sum	1	1 350 000,00	1 350 000,00
CARRIED	FORWARD TO SUMMARY :	1	<u> </u>		

## **PROVINCE OF THE EASTERN CAPE**

## **DEPARTMENT OF TRANSPORT**

## TENDER NO. SCMU10-24/25-0004E

## MAINTENANCE WORKS IN MHLONTLO

Section 1200	General Requirements and Provisions	R
Section 1300	Preliminary and General	R
Section 1400	Housing and Offices for Engineer's Personnel	R
Section 1700	Clearing and Grubbing	R
Section 1800	Collection and Removal of Debris and Litter	R
Section 1900	Dayworks (Provisional)	R
Section 2100	Drains	R
Section 2200	Prefabricated Culverts	R
Section 2400	Asphalt and Concrete Berms	R
Section 3100	Borrow Materials	R
Section 3200	Selections, Stockpiling and Breaking Down the Material from Borrow Pits, Cuttings and Existing Pavement Layers, and Placing and Compacting the Gravel Layers	R
Section 3300	Mass Earthworks	R
Section 3400	Pavement Layers of Gravel Material	R
Section 3900	Patching and Repairing Edge Breaks	R
Section 4100	Prime Coat	R
Section 4600	Bituminous Single Seal with Slurry (Cape Seal)	R
Section 4800	Treatment of an Existing Surface	R
Section 5100	Pitching, Stonework and Protection against Erosion	R
Section 5200	Gabions	R
Section 5400	Guardrails	R
Section 5500	Fencing	R
Section 5600	Road Signs	R
Section 5700	Road Markings	R
Section 5900 and Treating C	Finishing the Roads and Road Reserve	R
Section 6100	Foundations for Structures	R
Section 6200	Falsework, Formwork and Concrete Finish	R
Section 6300	Steel Reinforcing for Structures	R

Section 6400	Concrete for Structures	R
Section 8100	Testing Workmanship and Materials	R
Section 9100	Controlling Vegetation Growth – Mowing and Cutting	R
Section 10300	Emergency Maintenance	R
Section 12000	Environmental Management Programme Implementation	R
Section 13000	Occupation Health & Safety	R
Section 15000	ME Management and Training of Local Labour	R
TOTAL		R
NETT TOTAL	OF TENDER	R
ALLOW 15% F	OR ESCALATION	R
SUB TOTAL		R
ALLOW 15% V	ALUE ADDED TAX	R
TOTAL AMOU	NT FOR EVALUATION SCORING PURPOSES	R

THE CONTRACT IS SUBJECT TO CONTRACT PRICE ADJUSTMENT.

**D: MAINTENANCE WORKS IN PORT ST JOHNS** 

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	KAIL	AMOUNT
1300	CONTRACTOR'S ESTABLISHMENT ON SITE AND GENERAL OBLIGATIONS				
	OBLIGATIONS				
313.01	The contractor's general obligations:				
	(b) Value-related obligations for works assignments ranging between:	0/	D 2 000 000		
	(i) R0 - R2.0 mil (ii) R2.0 - R4.0 mil	% %	R 3 000 000 R 6 000 000		
	(iii) R4.0mil - R6.0 mil	%	R 11 000 000		
	(iv) Greater than R6.0 mil	%	R 14 000 000		
	(c) Time-related obligations for works assignments ranging between: (i) R0 - R2.0 mil	Month	3		
	(ii) R2.0 - R4.0 mil	Month	3		
	(iii) R4.0mil - R6.0 mil	Month	12		
	(iv) Greater than R6.0 mil	Month	12		
	FORWARD TO SUMMARY	1			

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1700	CLEARING AND GRUBBING				
B17.01	Clearing and grubbing	ha	66		
B17.02	Removal and grubbing of large trees and tree stumps:				
	(a) Girth exceeding 0,5m up to and including 1m	No	50		
	(b) Girth exceeding 1m up to and including 2m	No	220		
	(c) Girth exceeding 2m up to and including 3m	No	44		
17,04	Clearing and grubbing at inlets and outlets of hydraulic structures	m²	10800		
B17.05	Cleaning out of hydraulic structures				
	(a) Pipes with an internal diameter up to and including 750mm	m³	1080		
	(b) Pipes with an internal diameter exceeding 750mm	m³	108		
	(c) Box culverts up to and including 1.5m internal vertical dimension	m³	108		
B17.08	Removal of undesirable vegetation	m²	66000		
317.09	Shredding of vegetation cuttings in situ	m <sup>3</sup>	66,0		
	Overhaul on material hauled in excess of 1.0km (ordinary overhaul)	m³-km	660		
	overnauty	III <sup></sup> KIII	000		
B17.10	Clearing and grubbing narrow strips	m²	100		
					-
CARRIED	FORWARD TO SUMMARY :				

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	RAIL	AMOUNT
1800	COLLECTION AND REMOVAL OF DEBRIS AND LITTER				
18.01	Clearing of the road reserve	km	1220		
	<ul> <li>(a) Trunk and Main roads (30m wide road reserve)</li> <li>(b) District roads (25m wide road reserve)</li> </ul>	km km	1320		
18.02	Replacing of damaged facilities				
	(a) Litter containers (b) Tables	No No	9 35		
	(c) Benches	No	9		
18.03	Treatment of existing concrete rest area furniture (a) Litter containers	No	9		
	(b) Tables	No	35		
	(c) Benches	No	9		
40.04					
318.04	Treatment of existing concrete bridge balustrades (a) Balustrades	m²	810		
18.05	Cleaning of Rest Areas as well as removal of litter				
	(a) Within 50km from main Site Camp	No	9		
	<ul> <li>(b) Between 50 km and 150 km from main Site Camp</li> <li>(c) Further than 150 km from main Site Camp</li> </ul>	No No	9		
		INC	9		
	FORWARD TO SUMMARY :	l			+

TEM NO	CT NO SCMU10-24/25-0004 (A-F)	UNIT	OUANTITY	DATE	AMOUNT
	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
1900	DAYWORKS (PROVISIONAL )				
19.01	Personnel during normal working hours				
	(a) Unskilled labour	hr	40		
	(b) Semi-skilled labour	hr	10		
	(c) Skilled labour	hr	10		
	(d) Ganger	hr	10		
	(e) Flagman	hr	20		
19.02	Plant				
	(a) Flat bed truck (specify size)	hr	9		
	(b) Tipper Trucks - 3 to 5 ton capacity	hr	150		
	(c) Tipper Trucks - more than 5 ton	hr	18		
	(d) Loader (0.5m <sup>3</sup> ) bucket	hr	9		
	(e) TLB (digger loader)	hr	150		
	(f) Excavator (20-30 ton)	hr	9		
	(g) Grader (AT 140 G or similar)	hr	18		
	(h) Compactor (Bomag 90 or similar)	hr	9		
	(i) Water truck (11000 liter)	hr	9		
	(j) Dozer (D7 or similar))	hr	9		
	(k) Mechanical broom	hr	9		
	(I) Tractor-trailor combination (43kw, 3 ton minimum)	hr	9		
	(m) Suitable truck/but for transporting labourers (30 people minimum)	hr	9		
	(n) Safety vehicle for pre-marking purposes	hr	9		
	(o) Compressor (air) including hose and tools (specify)	hr	9		
	(p) Dewatering pump including generators and accessories (specify size	hr	9		_
	(q) Mobile electric welding sets and accessories (specify size)	hr	9		
	(r) Cutting torch with mobile electic & oxy aceylene installation	hr	9		
	(s) Mobile concrete mixer	hr	9		
	(t) Light delivery vehicle	hr	40		
	(u) Centre-mount crane (specify size)	hr	9		
	(v) Low bed truck (specify size)	km	500		
	(w) Other Specify	hr			
19.03	Materials				
	(a) Procurement of materials	Prov Sum	1		
	(b) Contractor's handling costs, profit and all other charges in respect				
	of subitem B19.03(a)	%	100000		
			<u> </u>		
			1		

DRAINS Excavation of open drains (a) Excavating soft material situated within the following depth ranges below the surface level (i) 0m up to 1,5m (b) Extra over subitem B21.01(a) for excavation in hard material, irrespective of depth Clearing and shaping existing open drains Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains Test flushing of pipe subsoil drains	m <sup>3</sup> m <sup>3</sup> m <sup>3</sup> m <sup>3</sup> m <sup>3</sup> -km	2700 5 1080 - 432		Rate Only
<ul> <li>(a) Excavating soft material situated within the following depth ranges below the surface level <ul> <li>(i) 0m up to 1,5m</li> </ul> </li> <li>(b) Extra over subitem B21.01(a) for excavation in hard material, irrespective of depth</li> </ul> Clearing and shaping existing open drains Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³ m³ m³ m³-km	5 1080 -		Rate Only
<ul> <li>(a) Excavating soft material situated within the following depth ranges below the surface level <ul> <li>(i) 0m up to 1,5m</li> </ul> </li> <li>(b) Extra over subitem B21.01(a) for excavation in hard material, irrespective of depth</li> </ul> Clearing and shaping existing open drains Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³ m³ m³ m³-km	5 1080 -		Rate Only
below the surface level (i) 0m up to 1,5m (b) Extra over subitem B21.01(a) for excavation in hard material, irrespective of depth Clearing and shaping existing open drains Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³ m³ m³ m³-km	5 1080 -		Rate Onl
(b) Extra over subitem B21.01(a) for excavation in hard material,         irrespective of depth         Clearing and shaping existing open drains         Banks and dykes         Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul)         Backfilling existing eroded side drains	m³ m³ m³ m³-km	5 1080 -		Rate Onl
irrespective of depth Clearing and shaping existing open drains Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³ m³ m³-km	-		Rate Onl
Clearing and shaping existing open drains Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³ m³ m³-km	-		Rate Onl
Banks and dykes Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³ m³-km	-		Rate Onl
Overhaul for material hauled in excess of 1,0km free-haul (normal overhaul) Backfilling existing eroded side drains	m³-km			Rate Onl
(normal overhaul) Backfilling existing eroded side drains		432		
(normal overhaul) Backfilling existing eroded side drains		432		
<b>-</b>	m3			
<b>-</b>	m3			
Test flushing of pipe subsoil drains	111-	200		
	No	2		
- · · ·				
Clearing of concrete drainage channels				
(a) Side drains, median drains and the like	m²	8800		
,, ,		4400		
(ii) 1.0m to 2.0m	m <del>-</del>	4400	~~~~~	
Selected backfill material under concrete-lined side drains				~~~~~
compacted to 93% of modified AASHTO density	m³	200		
Clearing and shaping side and mitre drains by road grader	m	350		
Exposing of existing subsoil drains	m3	5		
	117	5		
Clearing of subsoil drains	m	500		
Excavation in all material for subsurface drains				
	m³	100		
Impermeable backfill to subsoil drainage system	m <sup>3</sup>	150		
Natural normaphic backfill (10mm Crushed stops) from approved		150		
sources on site		150		
Coarse sand from approved sources on site	m³	50		
	m	500		
Grade 2 Geotextile	m²	750		
Concrete outlet structures				
(a) Outlet structures	No	10		
				1
		-		
				<u> </u>
	a) Side drains, median drains and the like c) Other drains and channels within the following invert ranges (i) less than 1.0m (ii) 1.0m to 2.0m Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density Clearing and shaping side and mitre drains by road grader Exposing of existing subsoil drains Clearing of subsoil drains Excavation in all material for subsurface drains i) 0m up to 1.5m mpermeable backfill to subsoil drainage system Natural permeable backfill (19mm Crushed stone) from approved sources on site Clearing of rainage systems: (a) Perforated pitchfibre pipe (150mm) (b) Non perforated pitchfibre pipe (150mm) Cancrete outlet structures	a) Side drains, median drains and the like m <sup>2</sup> (i) less than 1.0m m <sup>2</sup> (ii) less than 1.0m m <sup>2</sup> (ii) 1.0m to 2.0m m <sup>2</sup> Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density m <sup>3</sup> Clearing and shaping side and mitre drains by road grader m Exposing of existing subsoil drains m <sup>3</sup> Clearing of subsoil drainage system m <sup>3</sup> Matural permeable backfill (19mm Crushed stone) from approved m <sup>3</sup> sources on site m <sup>3</sup> Coarse sand from approved sources on site m <sup>3</sup> Pipes in subsoil drainage systems: (a) Perforated pitchfibre pipe (150mm) m (b) Non perforated pitchfibre pipe (150mm) m <sup>3</sup> Concrete outlet structures	a) Side drains, median drains and the like       m²       8800         (c) Other drains and channels within the following invert ranges       m²       4400         (i) less than 1.0m       m²       4400         (ii) 1.0m to 2.0m       m²       4400         Selected backfill material under concrete-lined side drains       m²       4400         Scompacted to 93% of modified AASHTO density       m³       200         Clearing and shaping side and mitre drains by road grader       m       350         Exposing of existing subsoil drains       m³       5         Excavation in all material for subsurface drains       m³       100         mpermeable backfill to subsoil drainage system       m³       150         Natural permeable backfill (19mm Crushed stone) from approved       m³       150         Coarse sand from approved sources on site       m³       500       150         Pipes in subsoil drainage systems:       1       1       1       1         (a) Perforated pitchfibre pipe (150mm)       m       500       1       1         (b) Non perforated pitchfibre pipe (150mm)       m       500       1       1         (a) Perforated pitchfibre pipe (150mm)       m       500       1       1         (b) Non perforated pitchfibr	a) Side drains, median drains and the like m <sup>2</sup> 8800 (c) Other drains and channels within the following invert ranges (i) less than 1.0m m <sup>2</sup> 4400 (ii) 1.0m to 2.0m m <sup>2</sup> 4400 Selected backfill material under concrete-lined side drains compacted to 93% of modified AASHTO density m <sup>3</sup> 200 Clearing and shaping side and mitre drains by road grader m 350 Exposing of existing subsoil drains m <sup>3</sup> 5 Clearing of subsoil drains m <sup>3</sup> 5 Clearing of subsoil drains m 500 Excavation in all material for subsurface drains m <sup>3</sup> 100 Matural permeable backfill (19mm Crushed stone) from approved m <sup>3</sup> 150 Sources on site m <sup>3</sup> 50 Clearing and from approved sources on site m <sup>3</sup> 50 Clearing from approved sources on site m <sup>3</sup> 50 Clearing of subsoil drainage systems: (a) Perforated pitchfibre pipe (150mm) m 500 (b) Non perforated pitchfibre pipe (150mm) m 500 (concrete outlet structures m <sup>2</sup> 750 Concrete outlet structures

CONTRA	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2200	PREFABRICATED CULVERTS				
22,01	Excavation				
22,01	(a) Excavating soft material situated within the following depth ranges below the level surface level				
	(i) Om up to 1,5m	m³	30		
	(ii) Exceeding 1,5m and up to 3,0m	m <sup>3</sup>	10		
	(b) Extra over subitem 22.01(a) for excavation in hard material,				
	irrespective of depth	m <sup>3</sup>	5		
22,02	Backfilling				
	(a) Using the excavated material	m <sup>3</sup>	30		
	(b) Using imported selected material	m³	10		
	(c) Extra over subitem 22.02(a) and (b) for soil cement backfilling	m <sup>3</sup>	10		
22,03	Concrete pipe culvert				
	(c) On Class B bedding		0		
	(i) 600 mm dia class 100D (ii) 900 mm dia class 100D	m m	30		
	· · · · · · · · · · · · · · · · · · ·				
22,05	Portal and rectangular culverts (a) complete with prefabricated floor slab				
	(i) 1200x1200 class 150S or equivalent	m	100		1
	(ii) 1500x1500 class 1505 or equivalent	m	100		
	(iii) 1800x1800 class 150S or equivalent	m	100		
	(iv) 2100x2100 class 150S or equivalent	m	100		
	(v) 2400x2400 class 150S or equivalent	m	100		
~~~~		m	100		
22,07	Cast in situ concrete and formwork (a) In Class A bedding, screeds and encasing of pipes, Class 25/19 concrete	m3	10		
		m <sup>3</sup>	10		
	(b) In Floor Slabs for Portal Culverts, Including formwork, joints and class U2 surface finish (Class 30/19mm Concrete)	m <sup>3</sup>	300,00		
	(c) In inlet and outlet structures, skewed ends, catchpits, manholes,				
	thrust and anchor blocks, excluding formwork but including class				
	U2 surface finish ( 25MPa / 19)	m <sup>3</sup>	378		
	(d) Formwork for concrete under subitem 22.07(a & c) above	m²	2008		
22,10	Steel reinforcement				
22,10	(b) High tensile steel	t	6,1		
	(c) Welded mesh	kg	6640		
22,13	Removing and re-laying existing pipes				
	(i) 600 mm	m	14		
22,14	Removing and disposing of existing pipes	m	14		
22,25	Overhaul on excavated material as described, in excess of the free haul distance of 1.0 km	m³-km	40		
					+
					1
		-			
		1			1
		-			

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	ASPHALT AND CONCRETE BERMS				
4,01	Asphalt berms:				
4,01	(a) Placed where there are no guardrails (Cold premix)	m	220		
	(b) Placed at existing guardrails (Cold premix)	m	220		
4,03	Prime and tack coats:				
4,03	(a) Prime coat:				
	(i) Under asphalt berms (MC-30 cutback bitumen)	m²	92		
	(b) Tack coat	m²	92		
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		1			1

1TEM NO 3100	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100					
5100					
	BORROW MATERIALS				
31,01	Excess overburden (provisional)	m <sup>3</sup>	300		
31,03	Finishing-off borrow areas	ha	0,3		
	FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				AMOUNT
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3200	SELECTIONS, STOCKPILING AND BREAKING-DOWN THE				
	MATERIAL FROM BORROW PITS, CUTTINGS AND EXISTING				
	PAVEMENT LAYERS, AND PLACING AND COMPACTING				
	THE GRAVEL LAYERS				
2,01	Providing a crushing and / or screening plant:				
2,01		No	2		
	(a) Single-stage crusher	No	3		
2,02	Re-erecting the crushing and / or screening plant:				-
	(a) Single-stage crusher	No	1		
2,03	Crushing and screening:				
,	(a) Single-stage crushing (-53)	m³	500		
2,05	Additional normal grid rolling (Normal - min of 4 passes)	m <sup>3</sup>	200		
2,06	Stockpiling of material (for use by department)	m³	500		-
			+		
					-

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	MASS EARTHWORKS				
3,01	Cut and borrow to fill, including freehaul up to 1,0 km:				
	(a) Material in compacted layer thickness of 200mm and less :				
	(ii) Compacted to 93% of mod AASHTO	m <sup>3</sup>	300		
3,03	Extra over item 33.01 for excavating and breaking down				
	materials in :				
	(a) Intermediate Excavation	m <sup>3</sup>	250		
	(b) Hard Excavation	m <sup>3</sup>	250		
2.04	Cut to anall including free houl up to 1 0km. Metavial akteined				
3,04	Cut to spoil, including free haul up to 1.0km. Material obtained from :				
	(a) Soft excavation	m <sup>3</sup>	100		
	(b) Intermediate excavation	m³	100		
	(c) Hard Excavation	m <sup>3</sup>	100		
			100		
3/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	1200		
ARRIED	FORWARD TO SUMMARY :				

	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3400	PAVEMENT LAYERS OF GRAVEL MATERIAL				
B34.01	Pavement layers constructed from gravel taken from cut or				
	borrow including free haul up to 1,0km				
	(h) Gravel wearing course compacted to				
	(ii) 95% Mod AASHTO density: 150mm layer thickness	m³	1425		
	(iii) 95% Mos AASHTO Density 150mm using crushed material	m <sup>3</sup>	500		
34,02	Extra over item 34.01 for excavation of material in				
54,02	(a) Intermediate material	m <sup>3</sup>	500		
34,07	Extra over for temporarily blading the material to windrow	m <sup>3</sup>	50		
B34.14	Wet blading				
	(a) 6m road width (riding surface)	km	25		
	(b) 7m road width (riding surface)	km	25		
B34.15	Dry blading				
201.10	(a) 6m road width (riding surface)	km	30		
	(b) 7m road width (riding surface)	km	20		
		NIII	20		
B34.16	Accessibility grading				
	(a) 6m road width (riding surface)	km	20		
	(b) 7m road width (riding surface)	km	-		Rate Only
B34.17	Special grading				
004.17	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
		NIII			
B34.18	Reshaping				
	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
B34.19	Heavy Maintenance				
200	(a) 6m road width (riding surface)	km	5		
	(b) 7m road width (riding surface)	km	5		
B34.20	Gravel Patching				
	(a) Material from Borrow Pits	m <sup>3</sup>	500		
B34.21	Light Road Bed Preparation				
	(a) 6m road width	km	1		
	(b) 7m road width	km	1		
B34.22	Heavy Road Bed Preparation				
	(a) 6m road width	km	-		Rate Only
	(b) 7m road width	km	1		
B34.23	Gravel shoulder repair				
	(a) Ripping, watering, mixing, placing and compacting existing shoulders	to	1		
	95% Mod AASHTO density	m <sup>3</sup>	880		
	(b) Extra over subitem (a) for adding extra material (free haul)	m <sup>3</sup>	220		
	(c) Extra over for subitem (a) for stabilizing material (nee had)	m <sup>3</sup>	55		
B34.24	Removal of edge build-up				
	(a) Remove material and load for spoil	km	88		
	(b) Remove material and dispose of adjacent to road	km	176		
34/16.02	Overhaul on material hauled in excess of 1,0km (ordinary overhaul)	m³-km	5775		
B34.26	Regravelling in short lengths up to 300m	m <sup>3</sup>	7500		
201.20					
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	CT NO SCMU10-24/25-0004 (A-F)		1	I	
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3900	PATCHING AND REPAIRING EDGE BREAKS				
39,01	Sawing asphalt or cemented pavement layers for patching:				
	(a) Sawing asphalt to an average depth:				
	(i) not exceeding 50mm	m	22000		
	BASE AND SURFACE REPAIR - PO3				
39,02	Excavation in existing pavements for patching in:				
	(a) Asphalt layers	m³	308		
	(b) Cemented layers	m³	-		Rate Only
	(c) Crushed stone base course	m <sup>3</sup>	1320		
B39.03	Backfilling of excavations for patching with:				
	(a) Existing Base material stabilized with bituminous emulsion (60% stable-grade	2			
	anionic emulsion @ 3% by mass of compacted base and ordinary cement				
	@ 1% by mass of compacted base), for a patch with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	264		
	(iii Exceeding 100m <sup>2</sup>	m³	396		
	(b) C2 Page source material from commercial sources with hitumingue				
	(b) G2 Base course material from commercial sources with bituminous emulsion (60% stable-grade anionic emulsion @ 3% by mass of compacted				
	base and ordinary cement @ 1% by mass of compacted base), for a patch				
	with surface area:				
	(i) Not exceeding 5m <sup>2</sup>	m³	132		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	198		
	(iii Exceeding 100m <sup>2</sup>	m³	79		
	(c) G2 Base course material from Commercial Sources				
	(i) Not exceeding 5m <sup>2</sup>	m³	20		
	(ii) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>3</sup>	50		
	(iii Exceeding 100m <sup>2</sup>	m <sup>3</sup>	80		
	(d) Existing Base material stabilized with ordinary cement 2% by mass				
	for a patch with a surface area:				
	(i) Not exceeding 50m <sup>2</sup>	m³	20		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m³	50		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m³	50		
	(iv Exceeding 150m <sup>2</sup>	m³	80		
B39.06	Tack coat (60% stable grade emulsion)	I	6160		
555.00			0100		
B39.07	Cold premix (applied 35 mm thick)				
	(a) Not exceeding 50m <sup>2</sup>	m²	1760		
	(b) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	2640		
	(c) Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	2640		
B39.08	Hot premix (applied 35 mm thick)				
200.00	(a) Not exceeding 5m <sup>2</sup>	m²	88		
	(b) Exceeding 5m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	176		
	(c) Exceeding 100m <sup>2</sup>	m²	264		
B39.09	Temporary pothole repair (Not exceeding 1000mm x 1000mm) using				
	(a) Cold premix	m³	440		
	(b) C4 (stabilised) material	m³	44		
			<u> </u>		

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	PRIME COAT				
100					
1,01	Prime coat:				
	(a) RTH 3/12P or RTL 3/12P tar prime	1	10		
	(b) Quick drying RTH 1/4P tar prime	<u> </u>	10		
	(c) MC-30 cut-back bitumen	1	1000		
	(d) MC-70 cut-back bitumen	I	10		
	(e) Invert bitumen emulsion (f) MC - 30 SP		10		
			+		
			++		
	FORWARD TO SUMMARY				

CONTRAC	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
4600	BITUMINOUS SINGLE SEAL WITH SLURRY (CAPE SEAL)				
46,02	Bituminious single seal with 13.2mm aggregate and slurry:	m²	1000		
46,03	Bituminious binder variations:				
	(c) MC-3000 cut back bitumen         (f) Spray grade emulsion (65% bitumen content)		-		Rate Only Rate Only
46,04	Aggregate variations:				
	(a) 13.2mm nominal sized aggregate	m <sup>3</sup>	-		Rate Only
46,05	Variation in the rate of application of the slurry:	m <sup>3</sup>	-		Rate Only
	FORWARD TO SUMMARY :				

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
800	TREATMENT OF AN EXISTING SURFACE				
	EXHIBITING CERTAIN DEFECTS				
	POTHOLE REPAIR - P01				
8 / 39.01	Sawing asphalt or cemented pavement layers for patching				
	(a) Sawing asphalt to an average depth : (provisional sum)				
	(i) not exceeding 50 mm	m	11000		
8/39.02	Excavation in existing pavements for patching in				
	(c) Bituminous seal layers	m <sup>3</sup>	154		
8/B39.06	Tack Coat (60% spray grade emulsion)	I	3080		
8/B39.07	Cold premix 35 mm thick	m²	4400		
	SLACK AND DEPRESSION REPAIR - PO2				
48.04	Screed of asphalt or coarse slurry :				
	(a) Tack coat using 60% anionic emulsion diluted 50/50 with water	I	400		
	(b) Continuously - graded medium mixture asphalt	t	5		
	(c) Coarse grade slurry	m <sup>3</sup>	10		
	(d) Chip out 500mm by 35 mm strip	m²	200		
	CRACK SEALING - PO4				
18,06	Cleaning the cracks with compressed air	km	5		
10.07	Annihing hitumingup hinders and hashisidas for scaling seales.				
18,07	Applying bituminous binders and herbicides for sealing cracks: (a) Herbicide	I	500		
348.14	Geotextile seal bandage				
	(a) Cracks and joints - 200 mm wide geotextile strip	m	100		
	(b) Cracked areas - geotextile				
	(i) Not exceeding 50m <sup>2</sup>	m <sup>2</sup>	100		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m <sup>2</sup>	200		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup> (iv Exceeding 150m <sup>2</sup>	m <sup>2</sup>	300 400		
348.15	Crack sealing using Method 1 (sealant and crusher dust)	I	500		
	EDGE REPAIRS - PO5				
48/39.05	Cutting back the edges of the existing surface for repairing of				
	edge breaks ( avg depth = 80 mm )	m	4400		
348.05	Panairing adge breaks in surfacing				
540.05	Repairing edge breaks in surfacing (a) Tack coat - 60% Anionic spray grade emulsion diluted 50/50 with water		924		
	(c) Reconstructing edges using cold premix	t	924		
	SLURRY SEAL TREATMENT - PO6				
348.03	Plumu agal				
546.05	Slurry seal (a) Tack coat using 30% bitumen emulsion		25256		
	(b) Slurry applied by hand (coarse grade slurry)	· · ·			
	(i) Not exceeding 50m <sup>2</sup>	m²	880		
	(ii) Exceeding 50m <sup>2</sup> but not exceeding 100m <sup>2</sup>	m²	4400		
	(iii Exceeding 100m <sup>2</sup> but not exceeding 150m <sup>2</sup>	m²	8800		
	(iv Exceeding 150m <sup>2</sup>	m²	22000		
		1			1

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	PITCHING, STONEWORK AND PROTECTION AGAINST EROSION				
1,01	Stone pitching		400		
	(b) Grouted stone pitching (Max 300mm width) (c) Grouted stone pitching on a concrete bed	m <sup>2</sup> m <sup>2</sup>	100 100		
			100		
			+ +		
					-
	L FORWARD TO SUMMARY	1			

ITEM NO	CT NO SCMU10-24/25-0004 (A-F)			DATE	AMOUNT
	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
200	GABIONS				
2,01	Foundation trench excavation and backfilling:				
2,01	(b) In all other classes of materials	m <sup>3</sup>	250		
52,02	Surface preparation for bedding the gabions	m²	100		
2,03	Gabions           (a) 1,0m wide by 1,0m wide				
	(i) by 1,0m long mesh 80mm	m <sup>3</sup>	400		
	(c) Galvanised gabion mattresses				
	(i) 0,6m diaphragm spacing, 6,0m long by 2,0m wide.				
	by 0,3m deep mesh 80mm	m <sup>3</sup>	300		
2,04	Filter fabric				
_,	(a) Grade 2 Bidum or similar approved (Needlepunch type)	m²	5000		
352.05	Dismantle and remove gabion structures	m <sup>3</sup>	50		
		-			
	FORWARD TO SUMMARY	1	1		

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	GUARDRAILS				
4,01	Guardrails on timber posts:				
	(a) Galvanised	m	800		
4,03	Extra over items 54.01 for horizontally curved guardrails factory				
	bent to a radius less than 45m	m	20		
4,04	End treatments:				
4,04	(d) End treatments in accordance with the drawings where single guardrail				
	sections are used	No	2		
4,05	Additional guardrail posts:				
	(a) Timber	No	20		
4.00	D. A				
4,06	Reflective plates (a) Red and white reflectors on new guardrails	No	100		
	(b) Red and white reflectors on existing guardrails	No	100		
4.07			750		
54,07	Removing existing guardrails	m	750		
354.08	Renovating guardrail material:				
	(a) Straightening of Guardrails (rolling)	m	200		
	(c) Cleaning and painting	m	200		
4,09	Re-erection of guardrails with recovered and / or new material:				
	(a) Single guardrail	m	200		
54,11	New material required for the re-erection of guardrails with				
	recovered material:				
	(b) Timber Posts (d) Reflective plates	No No	50 500		
	(e) Spacer blocks	No	200		
	(f) Splice bolt complete with nut and washer	No	500		
	(g) Post bolt complete with nut and washer (h) Reinforcing plates	No No	500 2		
			2		
54,12	Extra over item 54.01 for drilling and blasting holes				
	for guardrail posts	No	5		
54,13	Steel base plates for timber guardrail posts on structures	No	5		
054 4 4	Adjusting spacer blocks and tightening bolts	No	100		
354.14	Adjusting spacer blocks and tightening boits	No	100		
November 201					
	FORWARD TO SUMMARY				

	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
500	FENCING (emergency repairs)				
5,01	Clearing the fence line, 2m wide strip	km	15		
55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors: (i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:	1	-		
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii Horizontal:				
	- Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	km	15		
55.03	New gates				
	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
5,07	Ringbolts for anchoring fencing to structures	No	15		
55.10	Trimming the fence line, 2m wide strip	km	8		
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	CT NO SCMU10-24/25-0004 (A-F)				
TEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
500	FENCING (emergency repairs)				
5,01	Clearing the fence line, 2m wide strip	km	15		
55.02	Supply and erect new fencing material for new fences and for				
	supplementing material in existing fences which are being repaired or removed:				
	(a) Zinc-coated barbed wire (Mild steel grade ,double stranded, uni-directional twist	km	60		
	wire, 2.5mm diameter)				
	(b) Zinc-coated smooth wire (High-tensile-grade steel 2.24mm diameter)	km	45		
	(g) Standards (2.5kg/m "y" sections, 1850mm, steel)	No	450		
	(h) Droppers (1400mm x 0.56kg/m steel)	No	1500		
	(i) Straining posts, stays and anchors: (i) Vertical:				
	- Steel straining posts (2130mm x 100 mm dia. x 2mm mild steel tubing with				
	steel cap and 230 x 230 x 2 base plate fully galvanised.)	No	225		
	- Timber straining posts (150mm diameter)	No	225		
	(ii) Inclined:	1	-		
	- Steel straining posts (2130mm x 50 mm dia. x 2mm mild steel tubing )	No	75		
	(iii Horizontal:				
	- Timber stays as anchors (125mm diameter)	No	150		
	(j) Dipping of wire in yellow paint	km	15		
55.03	New gates				
	(a) Farm gates as per drawings	No	30		
	(b) Pedestrian gates as per drawings	No	30		
55.05	Dismantelling existing fences:				
	(a) Fences:				
	(i) Stock Proof Fences	km	8		
	(b) Gates	No	45		
5,07	Ringbolts for anchoring fencing to structures	No	15		
55.10	Trimming the fence line, 2m wide strip	km	8		
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		1			
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	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5600	ROAD SIGNS				
356.01	Road sign boards complete with supports with Class 1				
	retro-reflective background. Symbols and lettering in semi matt				
	black. Boarders in Class 1 retro- reflective material, where the				
	signboard is constructed from :				
	(c) Prepainted galvinised steel plate (1.2mm chromadek or				
	approved equivalent)				
	(i) 900mm diameter Round or Stop signs:				
	- R 1 - R 201 (60)	No. No.	1 2		
	(ii) 900mm Triangular signs:	110.	2		
	- W101	No.	2		
	- W104	No.	2		
	- W107	No.	2		
	- W108	No.	2		
	- W327 - W350	No. No.	2		
	(iii) 900mm Triangular Combination signs	110.	-		
	- WCE. 2 (W208 + for 5km)	No.	1		
	(iv) 150mm x 600mm Hazard Marker Signs				
	- W401	No.	30		
	- W402	No.	30		
	(v) 450mm x 450mm Hazard Marker Signs - W405	No.	30		
	- W406	No.	30		
56,03	Road sign supports:				
	(b) Timber				
	(i) 75mm diameter ( ii ) 100mm diameter	m m	100 100		
			100		
356.04	Kilometer Posts				
	(a) Painting existing kilometer posts	No.	30		
	(b) Supply and install new kilometer posts complete	No.	5		
56,05	Excavation and backfilling for road sign supports:				
,00	(a) Excavation for sign supports	m <sup>3</sup>	20		
56,06	Extra over item 56.05 for cement treated backfill:				
	(a) With soilcrete	m <sup>3</sup>	10		
			1		1

ITEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
5700	ROAD MARKINGS				
5700					
57,02	Retro-reflective road-marking paint:				
	(a) White lines				
	(i) 100mm wide solid	km	220		
	(ii) 100mm wide broken	km	147		
	(iii 100mm wide solid (Wet Reflective Tape Series 380 WR ES or				
	similar approved	km	-		Rate Only
	(iv 100mm wide broken (Wet Reflective Tape Series 380 WR ES or				
	similar approved	km	-		Rate Only
	(b) Yellow lines				
	(i) 150mm wide solid	km	5		
	(d) White lettering and symbols	m²	100		
	(e) Yellow lettering and symbols	m²	50		
B57.08	"Glowline" or similar approved Retro-reflective cementitious road marking compound		-		Rate Only
57,04	Variations in rate of application:				
	(a) White paint	I	-		Rate Only
	(b) Yellow paint	I	-		Rate Only
	(d) Retro-reflective beads	I	-		Rate Only
	(e) "Glowline" compound	I	-		Rate Only
57,05	Roadstuds (Rhino Yellow/Red or similar approved)	No	150		
57,06	Setting out and premarking the lines (excluding traffic island				
	markings, lettering and symbols)	km	367		
57,08	Removal of existing, temporary and permanent road markings by:				
	(a) Sandblasting	m²	100		
57,09	Removal of existing roadstuds	No	100		
B57.09	Supply and lay "Vuka" bumps (or similar approved) as per	No	50		
	Manufacturer's specifications, inclusive of fitment complete				
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TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
900	FINISHING THE ROAD AND ROAD RESERVE AND TREATING				
	OLD ROADS				
59.01	Finishing road and road reserve				
	a) 0 to 15 degrees	ha	1		
	b) 15 to 30 degrees	ha	1		
	c) 30 to 45 degrees	ha	1		
		-			
		1			
	FORWARD TO SUMMARY	1	1		1

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
	DESCRIPTION	UNIT	QUANTIT	KATE	AMOUNT
400					
100	FOUNDATIONS FOR STRUCTURES				
	Excavation:				
	(a) Excavating soft material situated with the following successive				
	depth ranges:		40		
	<ul> <li>(i) 0m up to 2m</li> <li>(b) Extra over sub-item 61.02(a) for excavation in hard material</li> </ul>	m <sup>3</sup>	10		
	irrespective of depth	m <sup>3</sup>	2		
			_		
1,04	Backfill to excavations utilising:				
	(a) Material from the excavation	m³	8		
1,08	Foundation fill consisting of	m <sup>3</sup>	5		
	(d) Mass concrete ( Class 15 MPa )	1112	5		
	<u> </u>				
	PFORWARD TO SUMMARY	1	1 1		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO		UNIT	QUANTITY	RATE	AMOUNT
6200	FALSEWORK, FORMWORK AND CONCRETE FINISH				
5200					
62,01	Formwork to provide class F2 surface finish				
	to concrete lined causeways	m²	350		
62,02	Vertical formwork to provide class F2 surface finish to concrete lined causeways	m²	350		
			330		
CARRIED	D FORWARD TO SUMMARY				

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
300	STEEL REINFORCING FOR STRUCTURES				
3,01	Steel reinforcement for:				
	(a) Concrete-lined causeways				
	(i) Welded steel fabric (Mesh Ref 395)	kg	1200		
				*****	
	P FORWARD TO SUMMARY		I		

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
400	CONCRETE FOR STRUCTURES				
4,01	Cast in situ concrete				
	(a) Class 25 /19	m <sup>3</sup>	80		
64,04	Epoxy bonding of new concrete surfaces to old	m²	12		
04,04		111-	12		
64,06	Demolishing existing concrete:				
	(b) Reinforced concrete in (i) Causeways	m <sup>3</sup>	15		
	(i) Causeways		15		
	1		1		

	CT NO SCMU10-24/25-0004 (A-F)	T			
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3100	TESTING WORKMANSHIP AND MATERIALS				
81,02	Other special tests requested by the engineer, including acceptance	Prov.sum	1	40 000,00	40 000,00
	control by an external laboratory				
81,03	Handling costs and profit in respect of 81.02	%	40000,00		
	 ) FORWARD TO SUMMARY :				

TEM NO	CT NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
100	CONTROLLING VEGETATION GROWTH - MOWING AND CUTTING				
	Mowing the grass				
	<ul> <li>(a) Shoulder mowing</li> <li>(ii) Reserve with single carriageway, 3m wide strip on either side.</li> </ul>	km	2640		
	(iii) Reserve with single carriageway, fenceline to fenceline. (11.5m wide		5		
	strip on either side of the road)				
91.02	Cutting of designated areas				
	(a) Road signs, reference marker boards, guardrails etc	m²	5000		
	(b) Dangerous areas at intersections	m²	2000		
	(c) Sight triangle at intersections	m²	2000		

	CT NO SCMU10-24/25-0004 (A-F)				1
ΓΕΜ ΝΟ	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
0300	EMERGENCY MAINTENANCE				
103.01	Contractor's mark-up for emergency maintenance	%	50000		
	FORWARD TO SUMMARY :				

TEM NO	T NO SCMU10-24/25-0004 (A-F) DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
2000	Environmental Management Programme (EMPR)				
31200.01	Contractor's compliance with EMPR	Month	36		

CONTRA	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO		UNIT	QUANTITY	RATE	AMOUNT
B13000	Occupational Health & Safety:				
B13001	Preparation of Contractor's site specific Health and Safety Plan	Lump sum	1		
	Principal Contractor's initial obligations in respect of the OHS Act and Construction Regulations	Lump sum	1		
		Lump Sum	1		
B13003	Principal Contractor's time related obligations in respect of the				
	OHS Act and Construction Regulations	Month	36		
B13004	Provision for Personal Protective Equipment & Protective Clothing		20		
	(i) Reflective vests (ii) Reflective bibs	No No	20 20		
	(iii) Hard hats	No	20		
	(iv) Protective foot wear	No	20		
	(v) Earplugs	No	20		
	(vi) Dust masks	No	20		
B13005	Provision of full time Construction Health and Safety Officer	Month	26		
010000	Provision of full time Construction Health and Safety Officer	Month	36		
B13006	Costs of medical certificates and Medical Surveillance				
	(i) Initial (baseline) medical examinations	No	20		
	(ii) Exit examinations	No	20		
B13007	Induction Training	No	20		
B13008	Environmental Monitoring	No tests	1		
210000		110 10010			
B13009	Noise Monitoring	No	1		
B13010	Payment for Health & Safety representatives at meetings	Lump sum	1		
B13011	Provision of First Aid boxes	1	3		
D13011		Lump sum	3		
B13012	Transportation of Workers	Month	36		
B13013	Submission of the Health and Safety File	Lump sum	1		
	1				
			1		

CONTRAC	CT NO SCMU10-24/25-0004 (A-F)				
ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
15000	ME MANAGEMENT &TRAINING OF LOCAL LABOUR				
B15007	Training of Local Labour				
B15007.1	Conducting of skills audit of Local Labour and the development of a	Prov Sum	1	10 000,00	10 000,00
	Training Plan				
B150071a	Handling costs and charges for the Contractor on Item B15007.1	%	10 000,00		
B15007.2	Presenting Accredited training courses for Local Labour	Prov Sum	1	50 000,00	50 000,00
B15007.3	Mark Up for Management of ME's	%	13 500 000,00		
B15007.4	Provision of bridging finance to ME's (only CIDB 1 & 2)	%	1 350 000,00		
B15007.4	Provisional Sum for Variance to Tender Rates of MEs	Prov Sum	1	1 350 000,00	1 350 000,00
CARRIED	FORWARD TO SUMMARY :	1	<u> </u>		

## **PROVINCE OF THE EASTERN CAPE**

## DEPARTMENT OF TRANSPORT

## TENDER NO. SCMU10-24/25-0004E

## MAINTENANCE WORKS IN PORT ST JOHNS

Section 1200	General Requirements and Provisions	R
Section 1300	Preliminary and General	R
Section 1400	Housing and Offices for Engineer's Personnel	R
Section 1700	Clearing and Grubbing	R
Section 1800	Collection and Removal of Debris and Litter	R
Section 1900	Dayworks (Provisional)	R
Section 2100	Drains	R
Section 2200	Prefabricated Culverts	R
Section 2400	Asphalt and Concrete Berms	R
Section 3100	Borrow Materials	R
Section 3200	Selections, Stockpiling and Breaking Down the Material from Borrow Pits, Cuttings and Existing Pavement Layers, and Placing and Compacting the Gravel Layers	R
Section 3300	Mass Earthworks	R
Section 3400	Pavement Layers of Gravel Material	R
Section 3900	Patching and Repairing Edge Breaks	R
Section 4100	Prime Coat	R
Section 4600	Bituminous Single Seal with Slurry (Cape Seal)	R
Section 4800	Treatment of an Existing Surface	R
Section 5100	Pitching, Stonework and Protection against Erosion	R
Section 5200	Gabions	R
Section 5400	Guardrails	R
Section 5500	Fencing	R
Section 5600	Road Signs	R
Section 5700	Road Markings	R
Section 5900 and Treating C	Finishing the Roads and Road Reserve	R
Section 6100	Foundations for Structures	R
Section 6200	Falsework, Formwork and Concrete Finish	R
Section 6300	Steel Reinforcing for Structures	R

Section 6400	Concrete for Structures	R
Section 8100	Testing Workmanship and Materials	R
Section 9100	Controlling Vegetation Growth – Mowing and Cutting	R
Section 10300	Emergency Maintenance	R
Section 12000	Environmental Management Programme Implementation	R
Section 13000	Occupation Health & Safety	R
Section 15000	ME Management and Training of Local Labour	R
TOTAL		R
NETT TOTAL	OF TENDER	R
ALLOW 15% F	OR ESCALATION	R
SUB TOTAL		R
ALLOW 15% V	ALUE ADDED TAX	R
TOTAL AMOU	NT FOR EVALUATION SCORING PURPOSES	R

THE CONTRACT IS SUBJECT TO CONTRACT PRICE ADJUSTMENT.