

COUNTY GOVERNMENT OF KIAMBU



DEPARTMENT OF ROADS, TRANSPORT, PUBLIC WORKS AND UTILITIES

TENDER NAME: PROCUREMENT OF SMALL WORKS
ON CONSTRUCTION AND REHABILITATION OF
VARIOUS ROADS IN KIAMBU SUB COUNTY.

TENDER NUMBER:NEGOTIATION:838977

TABLE OF CONTENTS

Contents

FORM OF INVITATION FOR TENDER.....3

OPENING AND EVALUATION OF TENDERS.....5

EVALUATION CRITERIA.....5

 1. MANDATORY REQUIREMENTS.....5

 2. TECHNICAL EVALUATION.....5

 3. FINANCIAL EVALUATION.....6

AWARD OF CONTRACT.....7

INSTRUCTIONS TO BIDDERS.....8

CONDITIONS OF BID.....9

FORM OF POWER OF ATTORNEY.....10

FORM OF BID.....11

CONFIDENTIAL BUSINESS QUESTIONNAIRE.....13

CONTRACT FORM.....15

PREAMBLE TO BILLS OF QUANTITIES.....17

SECTION I

INVITATION FOR TENDERS

DATE: 5th JANUARY 2021

TENDER NUMBER: NEGOTIATION:838977

TENDER NAME: PROCUREMENT OF SMALL WORKS ON CONSTRUCTION AND REHABILITATION OF VARIOUS ROADS IN KIAMBU SUB COUNTY

- 1.1 The COUNTY GOVERNMENT OF KIAMBU-DEPARTMENT OF ROADS, TRANSPORT, PUBLIC WORKS AND UTILITIES invites tenders for SMALL WORKS ON CONSTRUCTION AND REHABILITATION OF VARIOUS ROADS IN KIAMBU SUB COUNTY
- 1.2 Interested eligible candidates may obtain further information and inspect tender documents at the address below during normal working hours.

The chief officer
Department of roads, transport, public works and utilities
County government of Kiambu
P.O Box 2344-00900
Kiambu
- 1.3 A complete set of tender documents may be downloaded by interested candidates free of charge at www.supplier.treasury.go.ke or www.tenders.go.ke or www.kiambu.go.ke
- 1.4 Prices quoted should be net inclusive of all taxes, must be in Kenya shillings and shall remain valid for **(180)** days from the closing date of tender.
- 1.5 Completed tender documents are to be scanned and submitted on IFMIS through the Kenya suppliers portal www.supplier.treasury.go.ke (the portal) so as to be received **on or before the close date & time indicated on the portal**
- 1.6 Tenders will be opened immediately thereafter in the presence of the candidates or their representatives who choose to attend at the Thika sub-county hall chambers.

The chief officer
Department of roads, transport, public works and utilities
County government of Kiambu
P.O Box 2344-00900
Kiambu

APPENDIX TO INSTRUCTIONS TO TENDERERS

Notes on the Appendix to Instructions to Tenderers

The following appendix to instructions to tenderers shall complement or amend the provisions of the instructions to tenderers (Section II). Wherever there is a conflict between the provisions of the instructions to tenderers and the provisions of the appendix, the provisions of the appendix herein shall prevail over those of the general instructions to tenderers (as contained in the standard tender document for ROADS, BRIDGES, WATER AND OTHER CIVIL ENGINEERING WORKS).

Tender name: SMALL WORKS ON CONSTRUCTION AND REHABILITATION OF VARIOUS ROADS IN KIAMBU SUB COUNTY

tender Number is NEGOTIATION:838977

The tender opening date and time is **as set on the IFMIS portal**

Tender Security

Amount of Tender Security required will be **2%** of the total amount quoted in the form of tender.

The tender security **must** be valid at least 30 days after the tender validity period.

Employer

The name and address of the Employer for the purposes of this tender is.

**The chief officer
Department of roads, transport, public works and utilities
County government of Kiambu
P.O Box 2344-00900
Kiambu**

Performance Guarantee

The amount of Performance Security shall be bank guarantee of five (5) percent of the total Contract Price (this is a requirement from successful bidders only before signing of the contract).

Submission of tenders

Tenders shall be submitted online through the Kenya supplier portal www.supplier.treasury.go.ke

Pre-tender site visit.

Pre- tender site visit will be held on 12th January 2021 at 9.00am. Interested bidders or their representatives will be required to meet at the respective sub county engineer's office and ensure they obtain the pre-site tender certificate after the visit.

Note; All Covid-19 protocol MUST be observed during these meetings.

Evaluation criteria

Preliminary requirements

- Certificate of incorporation
- Valid tax compliance certificate/Tax exemption certificate
- Valid NCA 7 and above for roads category
- Valid NCA practicing license
- CR12 or CR13 for company directorship obtained within the last 12 months
- Valid business permit for the company
- Dully filled, signed and stamped confidential business questionnaire
- Dully filled, signed and stamped form of tender.
- Copies of identity documents (ID card/travel passport) for all directors listed in the CR12 or CR13
- Attach a duly signed tender pre- site inspection certificate.
- Attach scanned copy of the tender security to the tender documents and submit the **original copy of tender security** in a plain sealed envelope addressed to the employer so as to be received on or before the tender submission deadline.
- Attach all documents (filled up tender document, priced BQs, all other requirements) in **ONE (1) PDF document**. (all pages including attachments **MUST** be stamped, serialized and signed/initialized by an authorized person or director)

NOTE: only bids which meet all mandatory requirements will be subjected to further evaluation

Where bid files received through the portal have any form of encryption, the bidders must provide the passwords or other means of access to the file to the tender opening committee promptly during tender opening otherwise they will be deemed not to have submitted the file.

Technical requirements

	requirement	Score distribution	Maximum score
1	Experience in works of a similar nature (road works) for the last three years (attach at least 1 contracts/purchase orders for each year the company has been in operation) <ul style="list-style-type: none"> i. 1 year ii. 2years iii. 3years 	4 points each for each year of experience	12 Mks
2	Proof of equipment ownership/lease (attach logbooks or lease agreement)	Motor Grader-4mks Roller-4 mks Truck-4 mks Water bowser-4mks	16 MKS
3	Qualifications and experience of key site management and technical personnel proposed for the Contract (attach certificate for the highest level of qualification) Note: the bidder must prove current engagement with the named personnel (attach current engagement letter in client letter head)	Site agent- at least degree in civil engineering-5mks 5 years' work experience (attach first letter of appointment)- 3mks Foreman – at least diploma in civil engineering-4mks 3 years' experience attach first letter of appointment)-3mks Site surveyor- at least diploma in survey-3mks 3 years' experience (attach first letter of appointment)-2mks	20 mks
4	Litigation history (attach a sworn affidavit on the company litigation history signed by commissioner of oaths)	Companies without ongoing litigations to be awarded 2 mks	2 Mks
5	Proof of financial capability(attach Letter of Credit worthiness from your banker)	Upto KSH 5 million-5mks Upto ksh 10 million- 10 mks above 10 million- 15 mks	15 Mks
6	Certified Audited accounts for the last 2 years	5 points for each year	10 Mks
7	Proven physical location for office (attach lease agreement or utility bill showing physical address)	5 mks	5 mks
8	Proof of having been in operation in kiambu. Past trading licenses/ business permit for kiambu county(attach 2 immediate past trading licenses-2019 & 2020)	Each 5 mks	10mks
9	Work methodology including clear timelines for each activity.		5mks
10	Sworn affidavit that the interested bidder has not been declared bankrupt and blacklisted from participating in public	5 mks	5 mks

	procurement		
		TOTAL	
Pass mark for technical requirements will be 65%			

NOTE: only bids which attain the pass mark of 65% of the technical requirements will be subjected to further evaluation

FINANCIAL EVALUATION

Award shall be per line and will be to the lowest evaluated substantially responsive bidder(s)

For a bidder to be considered for award of a particular line, they **MUST** have attached the filled in BQ for the line.

A bidder is only required to bid for **only one (1) line** within the negotiation. Bidders who bid more than one (1) line in the negotiation will automatically be **disqualified**.

NOTE

The lines as named (or numbered) are arranged in the sequential order as they appear on the IFMIS portal.

Bidders are only allowed to bid for only one (1) line(road) in this negotiation. Any bidder who bids/attach priced bill of quantity(BQ) for more than one line/road will be automatically disqualified.

Where there is discrepancy between the figure indicated on the BQ attached and the one input as quote price against the line on the portal vary, the figure indicated on the BQ will govern.

AWARD OF CONTRACT

Post-qualification

The determination will take into account the tenderer financial and technical capabilities. It will be based upon an examination of the documentary evidence of the tenderers qualifications submitted by the tenderer, as well as such other information as the Procuring entity deems necessary and appropriate.

An affirmative determination will be a prerequisite for award of the contract to the tenderer. A negative determination will result in rejection of the Tenderer's tender, in which event the Procuring entity will proceed to the next lowest evaluated tender to make a similar determination of that Tenderer's capabilities to perform satisfactorily.

Award Criteria

Procuring entity will award the contract to the successful tenderer whose tender has been determined to be substantially responsive and has been determined to be the lowest evaluated tender, provided further that the tenderer is determined to be qualified to perform the contract satisfactorily.

Procuring entity's Right to Vary quantities

The Procuring entity reserves the right at the time of contract award to increase or decrease the quantity of services originally specified in the Schedule of requirements without any change in unit price or other terms and conditions.

Notification of Award

Prior to the expiration of the period of tender validity, the Procuring entity will notify the successful tenderer in writing that its tender has been accepted.

CONDITIONS OF BID

1. The General Conditions of the Contract with the Government of Kenya apply to this transaction. This form properly submitted constitutes the agreement to apply or provide the services shown at the prices and within the delivery period stated in the Local Service Order.
2. The offer shall remain firm for **180 days** from the closing date unless otherwise stipulated by the EMPLOYER
3. KIAMBU COUNTY shall not be bound to accept the lowest or any other offer, and reserves the right to accept any offer in part unless the contrary is stipulated by the candidate's expenses, or may be collected by the owner.
4. Test Materials to be used on the works when required will be provided by the contractor free and before execution of works.
5. Time for completion of the contract shall be indicated in the form of tender.
6. The contract shall be signed within 30 days but not earlier than 14days from the award of Tender.

FORM OF TENDER.

To:

The chief officer
Department of roads, transport, public works and utilities
Kiambu County,
P.O. Box 2344-00900
KIAMBU,

Dear Sir,

RE: SMALL WORKS ON CONSTRUCTION AND REHABILITATION OF VARIOUS ROADS IN KIAMBU SUB COUNTY

In accordance with the Instructions to bidders, Conditions of Bid, Specifications and Bills of Quantities for the execution of the above named works, we, the undersigned offer to perform the works and remedy any defects therein for the sum of:

Kshs.....*Amount in figures*

Kenya
Shillings.....
..... *[Amount in words]*

We undertake, if our tender is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Employer’s Representative’s notice to commence, and to complete the whole of the Works comprised in the Contract within[period] days.

We agree to abide by this tender for a period of 180 days from the date of bid opening and shall remain binding upon us and may be accepted at any time before that date.

Unless and until a formal Agreement is prepared and executed this bid together with your written acceptance thereof, shall constitute a binding Contract between us.

Time of completion shall be within 90 days with effect from the date of site handover.

We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this day of20.....

Signaturein the capacity of duly authorized to sign tenders for and on behalf of:

..... *[Name of Bidder]*

Of..... [*Address of Bidder*]

PIN No.

VAT CERTIFICATE No.

Witness: Name

 Address

 Signature

REPUBLIC OF KENYA

CONFIDENTIAL BUSINESS QUESTIONNAIRE

You are requested to give the particulars indicated in Part 1 and either Part 2 (a), 2(b) or 2(c) whichever applies to your type of business.

You are advised that it is a serious offence to give false information on this Form.

Part 1 - General:

Business Name:

Location of Business Premises

Plot No.Street/Road

Postal Address.....Tel No.

Nature of Business

.....
.....

Current Trade Licence No.Expiring Date

.....

Maximum value of Business which you can handle at any one time:

Kshs.

Name of your Bankers

.....

Branch.....

.....

Are you an agent of the Kenya National Trading Corporation? YES/NO

Part 2(a) - Sole Proprietor:

Your Name in full

Age:

Nationality.....Country of Origin

*Citizenship details

Part 2(b) - Partnership:

Give details of partners as follows:

Name	Nationality	Citizenship Details*	Shares
1.
2.
3.

Part 2(c) - Registered Company:

Private or Public

State the nominal and issued capital of the company-

Nominal: Kshs.

Issued: Kshs.

Give details of all Directors as follows:

Name	Nationality	Citizenship Details●	Shares
1.
2.
3.
4.
5.

Part 2 (d)- Interest in the Firm:

Is there any person / persons in KIAMBU COUNTY, who has interest in this firm?

Yes /No**

Date:Signature of Contractor.....

● Attach proof of citizenship (Compulsory)

CONTRACT FORM

THIS AGREEMENT made on the _____ day of _____ 20 _____ between
COUNTY GOVERNMENT OF KIAMBU of **P.O BOX 2344-00900 KIAMBU, KENYA**
(hereinafter called “the Procuring entity) of the one part AND

____ of [or whose registered office is situated at]

(Hereinafter called “the Contractor”) of the other part.

;

WHEREAS THE Employer is desirous that the Contractor executes **SMALL WORKS ON CONSTRUCTION AND REHABILITATION OF VARIOUS ROADS IN KIAMBU SUB COUNTY**

TENDER NO: **NEGOTIATION:838977** (hereinafter called “the Works”) and the Employer has accepted the tender submitted by the Contractor for the execution and completion of such Works and the remedying of any defects therein for the Contract Price of Kshs _____ [Amount in figures], Kenya Shillings _____ [Amount in words].

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and shall be read and construed as part of this Agreement i.e.
 - (i) Letter of Acceptance
 - (ii) Form of Tender
 - (iii) Conditions of Contract
 - (iv) Specifications
 - (v) Drawings

(vi) Priced Bills of Quantities

3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.

4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum

as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The common Seal of _____

Was hereunto affixed in the presence of _____

Signed Sealed, and Delivered by the said _____

Binding Signature of Employer _____

Binding Signature of Contractor _____

In the presence of [i] Name _____

Address _____

Signature _____

[ii] Name _____

Address _____

Signature _____

PREAMBLE TO BILLS OF QUANTITIES

1. The bills of quantities form part of the contract documents and are to be read in conjunction with contract drawings and general specifications for materials and works where applicable.
2. The prices quoted shall be deemed to include for all the obligations under the contract including but not limited to supply of materials, labour, and delivery to site storage on site, installation, testing and commissioning and all taxes (including 14% VAT)
3. All prices omitted from any item, section or part of the Bills of Quantities shall be deemed to have been included to another item, section or part thereof.
4. The brief description of the items given in the Bills of Quantities is for the purpose of establishing a standard to which the contractor shall adhere. Otherwise alternative brands of equal and approved quality will be accepted.
5. Should the contractor install any materials not specified here-in before receiving written **approval** from the Project Manager, the contractor shall remove the material in question **and** at his own cost, install the proper material.
6. The grand total of prices in the price summary page **must** be carried forward to the **Form of Tender** for the tender to be deemed valid.

BILLS OF QUANTITIES

BILL OF QUANTITY FOR NEGOTIATION; 838977 – LINE 1					
COUNTY GOVERNMENT OF KIAMBU					
KIAMBU SUB COUNTY, TOWNSHIP WARD					
BILL OF QUANTITIES FOR THINDIGUA AVENUE/THINDIGUA POLICE POST-PCEA RD/MIHARI LANE ROAD-2.5KM					
PRELIMINARIES AND GENERAL ITEMS					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE(Ksh)	AMOUNT (Ksh)
1.01	Provide and fix in mass concrete 1.2 M x 1.8M high fabricated steel publicity sign to Engineers specifications and maintain the board for 1 year.	No	1		
1.02	Allow Ksh 20,000 for surveying and setting out the road alignment of boundaries on both sides of the road to the required width as directed by the Engineer	PC sum	1		
1.03	Include percentage of P.C sum in item 1.02 for Contractor's overhead and profit	%			
1.04	Allow a prime cost sum of ksh. 20,000 for material testing services and other laboratory services.	PC sum	1		
1.05	Allow prime cost sum of Ksh 100,000 for engineers supervision allowances	PC sum			
1.06	Include percentage of P.C sum in item 1.04 & 1.05 for Contractor's overhead and profit	%			
	Subtotal for Preliminaries and General Items				

SITE CLEARANCE					
4.01	Clear site of bushes, hedges, remove stumps and burn the waste material	M ²	6000		
4.02	Heavy grade and water to fall and crossfall including camber formation to a slope of 2.5% and formation of a well defined drain	M ²	18000		
4.03	Compact the graded surface with a twenty tonnes vibrating roller as directed by the engineer.	M ²	16000		
4.02	Hire of excavator for excavation for road widening, clearing of encroaching structures and old culverts.	Hrs	8		
4.03	Mobilization and demobilization for item 4.02 above.	Item			
	Sub total Site clearance				
DRAINAGE WORKS					
8.01	Excavate in soft material for pipe culverts, headwalls, wingwalls, aprons, toe walls, drop inlets, minor drainage structures and compact excavated surface as specified by the Engineer.	M ³	30		
8.02	Provide, lay, joint, haunch and backfill with suitable material 600mm I.D concrete pipes for cross or access	M	21		
8.03	Provide, place and vibrate class 20/20 concrete to surround, headwalls, wingwalls and aprons to pipe culverts including formwork provision and placing of B.R.C A142 as will be directed by the Engineer.	M ³	11.2		
8.04	Clean/desilt/excavate existing side drains, drainage structure and pipe culverts of any description and size to free flowing conditions including cart to spoil any excess grass debris and soil as and where directed by the Engineer.	M	1200		
	Subtotal for Drainage Works				

SURFACE MATERIAL					
12.0 1	Supply ,spread, water and compact the approved natural gravel/quarry waste/quarry chippings to a minimum thickness of 100mm to 95% MDD (AASHTO T18) as instructed by the engineer.	M ³	2080		
	Subtotal for Surfacing Materials				
	SUMMARY OF TOTAL BILL OF QUANTITIES				
	Description				
1	Preliminaries and General Items				
4	Site clearance				
8	Culverts and Drainage Works				
12	Surfacing material				
				Total	
				14% V.A.T	
				GRAND TOTAL (MUST INPUT THE SAME FIGURE ON THE PORTAL FOR LINE 1)	
	Signature of bidder.....				
	Rubber stamp.....				

BILL OF QUANTITY FOR NEGOTIATION; 838977 – LINE 2					
COUNTY GOVERNMENT OF KIAMBU					
KIAMBU SUB COUNTY, RIABAI WARD					
BILL OF QUANTITIES FOR BISHOP RESIDENCE-TATHIINI-KIAMBU HIGH SCHOOL/TATHIINI JTN-KIST ROAD-2.6KM					
PRELIMINARIES AND GENERAL ITEMS					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE(Ksh)	AMOUNT (Ksh)
1.0 1	Provide and fix in mass concrete 1.2 M x 1.8M high fabricated steel publicity sign to Engineers specifications and maintain the board for 1 year.	No	1		
1.0 2	Allow Ksh 20,000 for surveying and setting out the road alignment of boundaries on both sides of the road to the required width as directed by the Engineer	l.su m	1		
1.0 3	Include percentage of P.C sum in item 1.02 for Contractor's overhead and profit	%			
1.0 4	Allow a prime cost sum of ksh. 20,000 for material testing services and other laboratory services.	l.su m	1		
1.0 5	Allow prime cost sum of Ksh 100,000 for engineers supervision allowances	PC sum			
1.0 6	Include percentage of P.C sum in item 1.04 & 1.05 for Contractor's overhead and profit	%			
	Subtotal for Preliminaries and General Items				
SITE CLEARANCE					
4.0 1	Clear site of bushes, hedges, remove stumps and burn the waste material	M ²	5200		

4.0 2	Heavy grade and water to fall and crossfall including camber formation to a slope of 2.5% and formation of a well defined drain	M ²	19500		
4.0 3	Compact the graded surface with a twenty tonnes vibrating roller as directed by the engineer.	M ²	19500		
Sub total Site clearance					
DRAINAGE WORKS					
8.0 1	Excavate in soft material for pipe culverts, headwalls, wingwalls, aprons, toe walls, drop inlets, minor drainage structures and compact excavated surface as specified by the Engineer.	M ³	30		
8.0 2	Provide, lay, joint, haunch and backfill with suitable material 600mm I.D concrete pipes for cross or access	M	21		
8.0 3	Provide, place and vibrate class 20/20 concrete to surround, headwalls, wingwalls and aprons to pipe culverts including formwork provision and placing of B.R.C A142 as will be directed by the Engineer.	M ³	17		
8.0 4	Clean/desilt/excavate existing side drains, drainage structure and pipe culverts of any description and size to free flowing conditions including cart to spoil any excess grass debris and soil as and where directed by the Engineer.	M	1000		
Subtotal for Drainage Works					
SURFACE MATERIAL					
12. 01	Supply, spread, water and compact the approved natural gravel/quarry waste/quarry chippings to a minimum thickness of 100mm to 95% MDD (AASHTO T18) as instructed by the engineer.	M ³	2000		
Subtotal for Surfacing Materials					

SUMMARY OF TOTAL BILL OF QUANTITIES					
Description					
1	Preliminaries and General Items				
4	Site clearance				
8	Culverts and Drainage Works				
12	Surfacing material				
					Total
					14% V.A.T
GRAND TOTAL (MUST INPUT THE SAME FIGURE ON THE PORTAL FOR LINE 2)					
Signature of bidder.....					
Rubber stamp.....					

BILL OF QUANTITY FOR NEGOTIATION; 838977 – LINE 3					
COUNTY GOVERNMENT OF KIAMBU					
KIAMBU SUB COUNTY, NDUMBERI WARD					
BILL OF QUANTITIES FOR NJUNU COFFEE FACTORY-POLICE POST RD/KAMINDA-PCEA KANUNGA RD/KANUNGA HIGH SCHOOL JTN-PIUS KAIRU-CATHOLIC CHURCH RD-2.6KM					
PRELIMINARIES AND GENERAL ITEMS					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE(Ksh)	AMOUNT(Ksh)
1.01	Provide and fix in mass concrete 1.2 M x 1.8M high fabricated steel publicity sign to Engineers specifications and maintain the board for 1 year.	No	1		
1.02	Allow Ksh 20,000 for surveying and setting out the road alignment of boundaries on both sides of the road to the required width as directed by the Engineer	l.sum	1		
1.03	Include percentage of P.C sum in item 1.02 for Contractor's overhead and profit	%			
1.04	Allow a prime cost sum of ksh. 20,000 for material testing services and other laboratory sevicees.	l.sum	1		
1.05	Allow prime cost sum of Ksh 100,000 for engineers supervision allowances	PC sum			
1.06	Include percentage of P.C sum in item 1.04 & 1.05 for Contractor's overhead and profit	%			
	Subtotal for Preliminaries and General Items				

SITE CLEARANCE					
4.01	Clear site of bushes, hedges, remove stumps and burn the waste material	M ²	5200		
4.02	Heavy grade and water to fall and crossfall including camber formation to a slope of 2.5% and formation of a well defined drain	M ²	16900		
4.03	Compact the graded surface with a twenty tonnes vibrating roller as directed by the engineer.	M ²	16000		
	Sub total Site clearance				
	EXCAVATION & FILLING FOR STRUCTURES				
	NOTE: No separate payment shall be paid for the haulage of spoil material				
7.01	Excavate for gabions to spoil in soft material including compaction of excavated surface.	M ³	140		
7.02	Provide and place gabion mesh-boxes as shown on the drawings or as directed by the Engineer (a) 2m x 1m x 1m	M ²	700		
7.03	Provide and place rock fill to gabion boxes	M ³	140		
7.04	Provide materials and construct 150mm thick stone pitching as will be directed by the Engineer.	M ²	20		
	Sub total Excavation & filling for structures				
DRAINAGE WORKS					
8.01	Excavate in soft material for pipe culverts, headwalls, wingwalls, aprons, toe walls, drop inlets, minor drainage structures and compact excavated surface as specified by the Engineer.	M ³	20		
8.02	Provide, lay, joint, haunch and backfill with suitable material 600mm I.D concrete pipes for cross or access	M	15		

8.03	Provide,place and vibrate class 20/20 concrete to surround, headwalls, wingwalls and aprons to pipe culverts including formwork provision and placing of B.R.C A142 as will be directed by the Engineer.	M ³	12		
8.04	Clean/desilt/excavate existing side drains , drainage structure and pipe culverts of any description and size to free flowing conditions including cart to spoil any excess grass debris and soil as and where directed by the Engineer.	M	1200		
	Subtotal for Drainage Works				
SURFACE MATERIAL					
12.0 1	Supply ,spread, water and compact the approved natural gravel/quarry waste/quarry chippings to a minimum thickness of 100mm to 95% MDD (AASHTO T18) as instructed by the engineer.	M ³	1800		
	Subtotal for Surfacing Materials				
	SUMMARY OF TOTAL BILL OF QUANTITIES				
	Description				
1	Preliminaries and General Items				
4	Site clearance				
7	Excavation and filling for structures				
8	Culverts and Drainage Works				
12	Surfacing material				

	Total	
	14% V.A.T	
	GRAND TOTAL (MUST INPUT THE SAME FIGURE ON THE PORTAL FOR LINE 3)	
	Signature of bidder.....	
	Rubber stamp.....	