PROPOSED ROUTINE MAINTENANCE AND SPOT IMPROVEMENT OF CHEPTUECH-CHIGAMBA ROAD IN KURESOI SOUTH SUB-COUNTY. CGN/RTPW/004/KRB/2017/2018

Instruction to Tenderers

Agreement

Annexes

CLOSING DATE: 22ND MARCH, 2018

County Government of Nakuru
Ministry of Roads Public works and Transport
P.O. BOX 2870-20100
NAKURU
INVITATION TO TENDER

TENDER REF. NO.CGN/RTPW/004/KRB/2017 -2018

TENDER NAME: PROPOSED ROUTINE MAINTENANCE AND SPOT IMPROVEMENT OF CHEPTUECH-CHIGAMBA ROAD IN KURESOI SOUTH SUB-COUNTY.

The Nakuru County Government invites bids from eligible candidates for PROPOSED ROUTINE MAINTENANCE AND SPOT IMPROVEMENT OF CHEPTUECH-CHIGAMBA ROAD IN KURESOI SOUTH SUB-COUNTY.

Tender documents are to be filled online through Kenya Supplier Portal; supplier.treasury.go.ke or from the county website; www.nakuru.go.ke

1.1 Prices quoted should be net inclusive of all taxes and delivery must be in Kenya Shillings and shall remain valid for 150 days from the closing date of the tender.

1.2 Tenders will be opened online

NB; THE COUNTY GOVERNMENT MAY VARY THE SCOPE OF WORKS IF THE BIDS ARE ABOVE THE BUDGET
INSTRUCTIONS TO TENDERERS.

1.1 General

1.2 The Employer as defined in the Appendix to Conditions of Contract invites Tenders for the Works Contract as described in the Tender Documents.

1.3 Tenderer’s shall include the following information and documents with their Tenders, unless otherwise stated:

(a) Provide valid Tax Compliance Certificate from Kenya Revenue Authority (KRA)
(b) Provide Valid single business permit (2018)
(c) Must be Pre-qualified with County Government of Nakuru
(d) Provide a copy of CR 12
(e) Registration certificate/incorporation
(f) Pre-tender site visit on Tuesday the 13th March, 2018 at 8.30 am.
(g) Tenderers with ongoing/incomplete project are not eligible.

1.6 Evaluation Criteria

The method of evaluation will be Merit Point System

The criteria of evaluation and the points to be awarded on each criterion will be as follows:

1. Prove of similar works of the same nature (3NO)
2. Financial capability supported by audited account (last 2 years) and credit line.
3. Company profile and organization chart
4. Qualified personnel to undertake the project (attach certificates )diploma, engineer, artisan
5. Equipment s to undertake the task (owned or hired)
6. Attach relevant NCA.
6.1 Tender Documents

6.2 The complete set of Tender documents comprises the documents listed below and any addenda issued in accordance with paragraph 2.4

(i) Instructions to Tenderers
(ii) Articles 1 to 7

6.3 The Tenderer shall examine all documents in the Tender documents. Failure to furnish all information required by the Tender documents may result in the rejection of the Tender.

6.4 A Tenderer requiring any clarification of the Tender documents may notify the Employer in writing or by electronic means at the address indicated in the letter of Invitation to Tender. The Employer shall respond to any request for clarification received earlier than seven days prior to the deadline for submission of Tenders. Copies of the Employer’s response will be forwarded to all persons issued with Tender documents, including a description of the inquiry, but without identifying its source.

6.5 Before the deadline for submission of Tenders, the Employer may modify the Tender documents by issuing addenda. Any addenda thus issued shall be part of the Tender documents and shall be communicated in writing or by electronic means to all Tenderers. Tenderer’s shall acknowledge receipt of each addendum in writing to the Employer.

6.6 The Employer may extend, as necessary, the deadline for submission of Tenders in accordance with paragraph 4.5 below, to take account of any addenda issued.

3.0 Preparation of Tenders

3.1 All documents relating to the Tender and any correspondence shall be in the English Language.

3.2 The Tender submitted shall comprise the following:-

(a) The Form of Agreement;

(b) Priced Bill of Quantities initialled on each page, or Schedule of Rates (whichever is applicable)

(c) Any other documents/materials required by the Employer to be completed and submitted by Tenderers.

3.3 The Tenderer shall fill in rates and prices for all items of the Works described in the Bill of Quantities/Schedule of Rates. Items for which no rate or price is entered shall be deemed covered by the other rates and prices in the Bill of Quantities/Schedule of Rates.

3.4 The unit rates and prices shall be in Kenya Shillings.
3.5 Tenders shall remain valid for a period of 150 days from the date of submission. However, the Employer may request the Tenderers to extend the period of validity for a specified additional period. Such a request and the Tenderers’ responses shall be made in writing.

4.0 Submission of Tenders

4.1 The Tender duly completed shall;

(a) be submitted to the Employer through the Kenya Supplier Portal; and

(b) bear the name and identification number of the Tenderer as defined in the Invitation to Tender; and

4.2 Tenders shall be delivered to the Employer at the address specified not later than the time and date specified in the Invitation to Tender.

4.3 The Tenderer shall not submit alternative offers unless they are specifically required in the Tender documents.

Each Tenderer may submit only one Tender. Any Tenderer who fails to comply with this requirement will be disqualified.

4.4 The Employer may extend the deadline for submission of Tenders by issuing an amendment in accordance with paragraph 2.5 in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

5.0 Tender Opening

5.1 Unsealing of tenders at financial stage shall be done online and be communicated to successful bidder’s.

1 Submission of Tenders

1.2 4.1 The Tender Bidding documents with detailed specifications may be obtained from the Kenya Supplier Portal; supplier.treasury.go.ke or from the county website; www.nakuru.go.ke free of charge.

1.3 Prices quoted should be net, inclusive of all taxes, must be in Kenya Shillings and shall remain valid for 120 days from the closing date of the tender.

1.4 Duly completed tenders, marked with “tender number” should be submitted online through the Government Integrated Financial Management Information System (IFMIS) so as to be received on or before 22ND MARCH, 2018
1.5 Tenders shall be opened ONLINE.

4.5 Tenders shall be delivered to the Employer at the address specified not later than the time and date specified in the Invitation to Tender.

4.6 The Tenderer shall not submit alternative offers unless they are specifically required in the Tender documents.

Each Tenderer may submit only one Tender. Any Tenderer who fails to comply with this requirement will be disqualified.

4.7 Any Tender received after the deadline for submission will be returned to the Tenderer unopened.

4.8 The Employer may extend the deadline for submission of Tenders by issuing an amendment in accordance with paragraph 2.5 in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

2 Tender Opening

5.2 The Tenders shall be opened ONLINE.

The name of the Tenderer, the total amount of each Tender and the status of the Tender Security shall be read out and recorded in a Tender Opening register, a copy of which may on request be made available to any Tenderer. Minutes of the Tender opening, including the information disclosed to those present shall also be prepared by the Employer.
STANDARD FORMS

List of Standard Forms

(i) Form of Invitation for Tenders
(ii) Form of Tender
(iii) Letter of Acceptance
(iv) Form of Agreement
(v) Form of Tender Security
(vi) Performance Bank Guarantee
(vii) Performance Bond
(viii) Bank Guarantee for Advance Payment
(ix) Qualification Information
(x) Tender Questionnaire
(xi) Confidential Business Questionnaire
(xii) Details of Sub-Contractors
(xiii) Request for Review Form
FORM OF INVITATION FOR TENDERS

To: _______________________________________
_____________________________________
_____________________________________
_____________________________________

Dear Sirs:

Reference:______________________________________________[Contract Name]

You have been prequalified to tender for the above project.

We hereby invite you and other prequalified tenderers to submit a tender for the execution and completion of the above Contract.

A complete set of tender documents may be purchased by you from ________________________________________________________________________________

[mailing address, cable/telex/facsimile numbers].

Upon payment of a non-refundable fee of Kshs ____________________

All tenders must be accompanied by ________________number of copies of the same and a tender security in the form and amount specified in the tendering documents, and must be delivered to ________________________________________________________________________________

[address and location]

at or before _______________________(time and date). Tenders will be opened immediately thereafter, in the presence of tenderers’ representatives who choose to attend.

Please confirm receipt of this letter immediately in writing by cable/facsimile or telex.

Yours faithfully,
_____________________________________ Authorised Signature
_____________________________________ Name and Title
FORM OF TENDER

TO: __________________________ [Name of Employer] ____________ [Date]

__________________________ [Name of Contract]

Dear Sir,

1. In accordance with the Conditions of Contract, Specifications, Drawings and Bills of Quantities/Schedule of Rates for the execution of the above named Works, we, the undersigned offer to construct, install and complete such Works and remedy any defects therein for the sum of Kshs._____________________________ [Amount in figures] Kenya Shillings _____________________________________________________________________ [Amount in words]

2. 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 the time stated in the Appendix to Conditions of Contract.

3. We agree to abide by this tender until _________________[Insert date], and it shall remain binding upon us and may be accepted at any time before that date.

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

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

Dated this __________________ day of ______20________________

Signature __________________ in the capacity of___________________
duly authorized to sign tenders for and on behalf of __________________

[Name of Tenderer] of __________________

[Address of Tenderer]

Witness; Name______________________________________

Address_____________________________________

Signature___________________________________

Date____________________________________

(Amend accordingly if provided by Insurance Company)
LETTER OF ACCEPTANCE  

[letterhead paper of the Employer]

_______________________ [date]

To: _______________________
   [name of the Contractor]
    _______________________
   [address of the Contractor]

Dear Sir,

This is to notify you that your Tender dated ___________________________
for the execution of  ________________________________________________
[the name of the Contract and identification number, as given in the Tender documents]
for the Contract Price of Kshs. __________________________ [amount in figures][Kenya Shillings______________________________ (amount in words)] in accordance with the
Instructions to Tenderers is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance with
the Contract documents.

Authorized Signature …………………………………………………………………

Name and Title of Signatory ……………………………………………………………

Attachment : Agreement
FORM OF TENDER SECURITY

WHEREAS ...........................................(hereinafter called “the Tenderer”) has submitted his tender dated ........................................... for the construction of .................................................................

........................................... (name of Contract)

KNOW ALL PEOPLE by these presents that WE ........................................... having our registered office at ...........................................(hereinafter called “the Bank”), are bound unto .................................................................(hereinafter called “the Employer”) in the sum of Kshs........................................... for which payment well and truly to be made to the said Employer, the Bank binds itself, its successors and assigns by these presents sealed with the Common Seal of the said Bank this .................... Day of ..........20..........

THE CONDITIONS of this obligation are:

If after tender opening the tenderer withdraws his tender during the period of tender validity specified in the instructions to tenderers
Or

If the tenderer, having been notified of the acceptance of his tender by the Employer during the period of tender validity:

(a) fails or refuses to execute the form of Agreement in accordance with the Instructions to Tenderers, if required; or

(b) fails or refuses to furnish the Performance Security, in accordance with the Instructions to Tenderers;

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him is due to him, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including thirty (30) days after the period of tender validity, and any demand in respect thereof should reach the Bank not later than the said date.

[signature of the Bank]

[seal]

[date]

[witness]
PERFORMANCE BANK GUARANTEE

To: ____________________________(Name of Employer)  ________ (Date)
    ____________________________(Address of Employer)

Dear Sir,

WHEREAS ______________________(hereinafter called “the Contractor”) has undertaken, in pursuance of Contract No. ____________ dated _________ to execute ________________ (hereinafter called “the Works”);

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognised bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Kshs. ________________ (amount of Guarantee in figures) Kenya Shillings ____________________________________________ (amount of Guarantee in words), and we undertake to pay you, upon your first written demand and without civil or argument, any sum or sums within the limits of Kenya Shillings ____________________________________________ (amount of Guarantee in words) as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change, addition or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any change, addition, or modification.

This guarantee shall be valid until the date of issue of the Certificate of Completion.

SIGNATURE AND SEAL OF THE GUARANTOR  ___________________

Name of Bank  ____________________________________________
Address  ________________________________________________
Date  ____________________________________________________
(Amend accordingly if provided by Insurance Company)
PERFORMANCE BOND

By this Bond, We_____________________________of (or whose registered office is situated at)______________________________
as Principal (hereinafter called “the Contractor”) and _________________
________________________________________of[or whose registered office is situated at]___________________________________________________________
as Surety (hereinafter called “the Surety”), are held and firmly bound unto
_________________________________________________________________________of[or whose registered office is situated at]___________________________________________________________________
asObligee (hereinafter called “the Employer”) in the amount of
Kshs._____________________________[amount of Bond in figures]Kenya Shillings

[amount of Bond in words], for the payment of which sum well and truly, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Contractor has entered into a Contract with the Employer dated the
________________ day of _ _ _ _ _ _ _ _ _ _ _ _ _ _ 20 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ for the execution of
_______________________________________________________
[name of Contract] in accordance with the Contract documents, Specifications and amendments thereto, which to the extent herein provided for, are by reference made part hereof and are hereinafter referred to as the Contract.

NOW THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto), then this obligation shall be null and void; otherwise it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, in default under the Contract, the Employer having performed the Employer’s obligations thereunder, the Surety may promptly remedy the default, or shall promptly:

(1) complete the Contract in accordance with its terms and conditions; or

(2) obtain a tender or tenders from qualified tenderers for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive tenderer, arrange for a Contract between such tenderer and Employer and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof.

The term “Balance of the Contract Price”, as used in this paragraph, shall mean the total amount payable by the Employer to the Contractor under the

Contract, less the amount properly paid by the Employer to the Contractor; or

(3) pay the Employer the amount required by the Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.
The Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of one year from the date of issuance of the Certificate of Completion.

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors and assigns of the Employer.

In testimony whereof, the Contractor has hereunto set his hand and affixed his seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this __________________________ day of ____________________________ 20__________

SIGNED ON ___________________________ SIGNED ON ___________________________

On behalf of __________________________ On behalf of __________________________

[<name of Contractor>] [<name of Surety>]

By ___________________________ By ___________________________

In the capacity of __________________________ In the capacity of __________________________

In the presence of; Name __________________________ In the presence of; Name __________________________

Address __________________________ Address __________________________

Signature __________________________ Signature __________________________

Date __________________________ Date __________________________
BANK GUARANTEE FOR ADVANCE PAYMENT

To: __________________________ [name of Employer] __________(Date)
________________________ [address of Employer]

Gentlemen,

Ref: __________________________________________________________ [name of Contract]

In accordance with the provisions of the Conditions of Contract of the above-mentioned Contract, We, __________________________ [name and Address of Contractor] (hereinafter called “the Contractor”) shall deposit with __________________________ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Contract in an amount of Kshs.____________________ [amount of Guarantee in figures] Kenya Shillings____________________________________ [amount of Guarantee in words].

We, ________________ [bank or financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to __________________________ [name of Employer] on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding Kshs.____________________ [amount of Guarantee in figures] Kenya Shillings____________________________________ [amount of Guarantee in words], such amount to be reduced periodically by the amounts recovered by you from the proceeds of the Contract.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed thereunder or of any of the Contract documents which may be made between __________________________[name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

No drawing may be made by you under this guarantee until we have received notice in writing from you that an advance payment of the amount listed above has been paid to the Contractor pursuant to the Contract.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until __________________________ (name of Employer) receives full payment of the same amount from the Contract.

Yours faithfully,
Signature and Seal ________________________________________________

Name of the Bank or financial institution _____________________________

Address __________________________________________________________

Date _____________________________________________________________

Witness:  Name: ___________________________________________________

Address: _________________________________________________________

Signature: _________________________________________________________

Date: _____________________________________________________________
QUALIFICATION INFORMATION

1. Individual Tenderers or Individual Members of Joint Ventures
   
   1.1 Constitution or legal status of tenderer (attach copy or Incorporation Certificate);
       Place of registration: ______________________________
       Principal place of business ______________________________
       Power of attorney of signatory of tender __________________

   1.2 Total annual volume of construction work performed in the last five years

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<tr>
<th>Year</th>
<th>Volume</th>
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   1.3 Work performed as Main Contractor on works of a similar nature and volume
       over the last five years. Also list details of work under way or committed,
       including expected completion date.

<table>
<thead>
<tr>
<th>Project name</th>
<th>Name of client and contact person</th>
<th>Type of work performed and year of completion</th>
<th>Value of Contract</th>
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   1.4 Major items of Contractor’s Equipment proposed for carrying out the Works.
       List all information requested below.

<table>
<thead>
<tr>
<th>Item of Equipment</th>
<th>Description, Make and age (years)</th>
<th>Condition(new, good, poor) and number available</th>
<th>Owned, leased (from whom?), or to be purchased (from whom?)</th>
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   (etc.)
1.5 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Attach biographical data.

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<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Years of experience (general)</th>
<th>Years of experience in proposed position</th>
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</thead>
<tbody>
<tr>
<td>Project Manager</td>
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<td>(etc.)</td>
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1.6 Financial reports for the last five years: balance sheets, profit and loss statements, auditor’s reports, etc. List below and attach copies.

____________________________________________________________________

____________________________________________________________________

1.7 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List below and attach copies of supportive documents.

____________________________________________________________________

____________________________________________________________________

1.8 Name, address and telephone, telex and facsimile numbers of banks that may provide reference if contacted by the Employer.

____________________________________________________________________

____________________________________________________________________

1.9 Statement of compliance with the requirements of Clause 1.2 of the Instructions to Tenderers.

____________________________________________________________________

____________________________________________________________________

1.10 Proposed program (work method and schedule) for the whole of the Works.

2 Joint Ventures
2.0 The information listed in 1.1 - 2.0 above shall be provided for each partner of the joint venture.

2.1 The information required in 1.11 above shall be provided for the joint venture.

2.2 Attach the power of attorney of the signatory(ies) of the tender authorizing signature of the tender on behalf of the joint venture.

2.3 Attach the Agreement among all partners of the joint venture (and which is legally binding on all partners), which shows that:

a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms;

b) one of the partners will be nominated as being in charge, authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture; and

c) the execution of the entire Contract, including payment, shall be done exclusively with the partner in charge.
TENDER QUESTIONNAIRE

Please fill in block letters.

1. Full names of tenderer;
   ……………………………………………………………………………………………

2. Full address of tenderer to which tender correspondence is to be sent (unless an agent has been appointed below);
   ……………………………………………………………………………………………

3. Telephone number(s) of tenderer;
   ……………………………………………………………………………………………

4. Telex of tenderer;
   ……………………………………………………………………………………………

5. Name of tenderer’s representative to be contacted on matters of the tender during the tender period;
   ……………………………………………………………………………………………

6. Details of tenderer’s nominated agent (if any) to receive tender notices. This is essential if the tenderer does not have his registered address in Kenya (name, address, telephone, telex);
   ……………………………………………………………………………………………
   ……………………………………………………………………………………………
   ……………………………………………………………………………………………

__________________________
Signature of Tenderer

Make copy and deliver to: ________________ (Name of Employer)
CONFIDENTIAL BUSINESS QUESTIONNAIRE

You are requested to give the particulars indicated in Part 1 and either Part 2 (a), 2 (b) or 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; Country/Town......................

Plot No........................................... Street/Road .........................

Postal Address................................. Tel No................................

Nature of Business........................................................................

Current Trade Licencee No.. Expiring date....................

Maximum value of business which you can handle at any time: K. pound....................

Name of your bankers............................................................

Branch...................................................................................

**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:

<table>
<thead>
<tr>
<th>Name in full</th>
<th>Nationality</th>
<th>Citizenship Details</th>
<th>Shares</th>
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</table>
DETAILS OF SUB-CONTRACTORS

If the Tenderer wishes to sublet any portions of the Works under any heading, he must give below details of the sub-contractors he intends to employ for each portion.

Failure to comply with this requirement may invalidate the tender.

(1) Portion of Works to be sublet: ..............................................

   [i] Full name of Sub-contractor and address of head office: ..............................................

   ........................................................................

   (ii) Sub-contractor’s experience of similar works carried out in the last 3 years with Contract value: ..............................................

   ........................................................................

(2) Portion of Works to sublet: ..............................................

   (i) Full name of sub-contractor and address of head office: ..............................................

   ........................................................................

   (ii) Sub-contractor’s experience of similar works carried out in the last 3 years with contract value: ..............................................

   ........................................................................

____________________             _______________________
[Signature of Tenderer)             Date
LETTER OF NOTIFICATION OF AWARD

Address of Procuring Entity

To: ______________________

_____________________

_____________________

RE: Tender No. _________________

Tender Name _________________

This is to notify that the contract/s stated below under the above mentioned tender have been awarded to you.

1. Please acknowledge receipt of this letter of notification signifying your acceptance.

2. The contract/contracts shall be signed by the parties within 30 days of the date of this letter but not earlier than 14 days from the date of the letter.

3. You may contact the officer(s) whose particulars appear below on the subject matter of this letter of notification of award.

(FULL PARTICULARS) _________________________________________

__________________________________________________________

SIGNED FOR ACCOUNTING OFFICER
AGREEMENT
BETWEEN
THE GOVERNMENT OF THE REPUBLIC OF KENYA
AND
This Contract is made this...........................day of..........................20........

between County Government of Nakuru, represented by the Governor Nakuru County of P.O. Box 2870 - 20100(Hereinafter called the Employer) acting through his representative Nakuru County Chief Officer for Transport and Infrastructure of P.O. Box 2870Nakuru of the one part and also of...............................................................(Hereinafter referred to as “the Contractor”) of the other part. Whereas the Employer is desirous of maintaining the road network as described,

Name of the Road: CHEPTUECH-CHIGAMBA ROAD

County: Nakuru

Constituency: KURESOI SOUTH

Ward:

KM: As instructed by the Engineer

and has accepted the Offer of the Contractor to execute road maintenance Works as defined hereinafter, AND

Whereas the Contractor represented to the Employer that he has the required capacity and ability, and has agreed to execute the Works on the Terms and Conditions set forth in this Contract, for the Tender Sum of Kshs...........................................................(words)............................................(figures)
NOW THEREFORE the Parties hereto agree as follows:

PART I: GENERAL CONDITIONS OF CONTRACT


The General Conditions of Contract are linked with the Conditions of Particular Application, referred to as Part II, by the consecutive numbering of the Clauses, so that Part I and II together comprise the Conditions governing the rights and obligations of the Parties. In case of any inconsistency between the Conditions contained in Part I and those in Part II, the Conditions contained in Part II shall prevail.

The Tenderer is deemed to have read and fully complied with the General Conditions of Contract.
PART II: CONDITIONS OF PARTICULAR - APPLICATION

Article 1: GENERAL PROVISIONS

1.1. The documents forming the Contract are to be taken as mutually explanatory. If ambiguity or discrepancy is found in the documents the Employer shall issue necessary instructions to the Contractor.

1.2 The language of the Contract shall be English. The law of the Contract is the Republic of Kenya.

Article 2: OBLIGATIONS OF THE EMPLOYER

2.1 The Employer shall provide the Site and right of access thereto at the date of Commencement.

2.2 The Employer shall ensure that the Contractor’s claims for payment are settled timeously.

2.3 The Employer shall inspect the Contractor’s work regularly.

2.4 No approval or consent or absence of comment by the Employer shall affect the Contractor’s obligations.

Article 3: EMPLOYER’S REPRESENTATIVE

3.1 The Governor Nakuru County will have overall responsibility for the Contract, and will be represented by the Nakuru County Chief Officer in-charge of Roads & Public Works for the day-to-day management of the Contract.

Article 4: CONTRACTOR’S OBLIGATIONS

4.1 The Contractor shall carry out the Works described in Annex 1 and the Work Plan Annex 3 properly and in accordance with the Contract. The Contractor shall provide all supervision, labour and tools which may be required.

4.2 The Contractor shall submit to the Employer for consent the name and particulars of the person authorized to receive instructions on behalf of the Contractor.

4.3 The Contractor shall comply with all instructions given by the Employer in respect of the Works.

4.4 The Contractor shall not subcontract any part of the Works without the consent of the Employer.

4.5 The Contractor shall, in the implementation of this contract, use labour based methods whenever possible.
4.6 The Contractor shall recruit labour for the Works from the local communities and shall take particular note of the Government policy on the recruitment of women and youth. The target for each group shall be 30% of the labour force, which the Contractor shall take all possible measures to attain.

4.7 The Contractor shall comply with the Kenya Labour Laws in respect of the rights working conditions and wages for the labour force. The task rates set for labour shall be approved by the Engineer.

4.8 In the event of the failure of the Contractor to pay the labour the Employer shall be entitled to pay directly and to deduct the appropriate amount, plus a 10% administrative charge, from any monies due to the Contractor under the Contract.

4.9 The Contractor shall maintain records of time worked and remuneration paid to his/her employees and shall avail these records to the Employer for inspection when so requested.

4.10 The Contractor shall set fair and manageable task rates to each labourer, in consultations with the Employer.

Article 5: DESIGN BY CONTRACTOR

5.1 The Contractor shall not be responsible for any Works design.

Article 6: EMPLOYER’S RISKS

6.1 Any failure by the Employer and any delay or disruption caused by any Variation are the relevant Employer’s Risks.

Article 7: TIME FOR COMPLETION

7.1 The Contractor shall commence the Works within 1 week upon order to commence and shall proceed expeditiously and without delay and shall complete the Works within the Time for Completion, given as 4 weeks.

7.2 The Contractor shall be entitled to an extension of the Time for Completion where delay is caused by an action, or failure of action of the Employer and/or any other unforeseen circumstance. All such extension of time must be requested by the contractor timeously and approved by the Employer

Article 8: TAKING OVER

8.1 The Contractor may notify the Employer when the Works are considered to be complete.

8.2 The Employer shall notify the Contractor when he considers that the Contractor has completed the Works and stating the date accordingly. Alternatively the Employer may notify the Contractor that the Works, although not fully complete, are ready for taking over, stating the date accordingly. The Contractor shall promptly complete any outstanding work.
Article 9: REMEDYING DEFECTS

9.1.1 The Employer may, within one month after the Completion date in 8.2, notify the Contractor of any defects. The Contractor shall remedy at no cost to the Employer any defects due to the Contractor’s workmanship not being in accordance with the Contract.

9.1.2 “A Defects liability Period of Six (6) Months Shall be in Place”.

Article 10 VARIATIONS AND CLAIMS

10.1 The Employer may instruct Variations

10.2 The Employer shall value the Variations using appropriate rates within the Contract or by a lump sum price agreed between the Parties, or by new rates which the Engineer considers appropriate.

Article 11: CONTRACT PRICE AND PAYMENT

11.1 At not less than monthly intervals, the Contractor shall measure the Works in accordance with the Bill of Quantities and shall submit a statement to the Road Supervisor. No Payment shall be made for Mobilisation and Establishment of the Site. The Road Supervisor shall certify on the statement to the Engineer that the Works have been completed satisfactorily.

11.2 The Employer shall pay the Contractor, upon the Engineer’s approval of the Contractor’s statement, within 30 days of the date of the certification of the statement. If the Employer disagrees with any part of the Contractor’s statement, he shall specify his reasons for disagreement when making payment. The Employer shall not be bound by any sum previously considered by him to be due to the Contractor.

Article 12: DEFAULT

12.1 The Employer shall give notice to the Contractor where he considers the Contractor to be in default of the Contract. If the Contractor fails to remedy the default within a stated period the Employer may give notice of the termination of the Contract.

12.2 After termination the Contractor shall be entitled to payment of any unpaid balance of the value of the Works executed.

Article 13: RISK AND RESPONSIBILITY

13.1 The Contractor shall take responsibility for the care of the Works from the Commencement Date to the date of Take Over.
Article 14: INSURANCES

14.1 The Contractor, prior to commencing the Works, shall effect Third Party and Workers Compensation Insurances and provide evidence to the Employer that the required policies are in force.

Article 15: RESOLUTION OF DISPUTES

15.1 The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with the Contract.

15.2 Any dispute not resolved under 15.1 shall be referred to a single Arbitrator nominated by County Chief Officer for transport and Infrastructure whose Area the Contract is located in accordance with, and subject to the provision of the Arbitration Act of Kenya or any Statutory Modification thereof.

Article 16 CONDITIONS OF CONTRACT

16.1 It is understood that these Conditions of Contract follow the FIDIC Short Form of Contract which shall be referred to for any necessary clarification

16.2 It is hereby understood that the Annexes to the Contract shall be read together with the Contract and shall form an integral part of it.

In witness whereof of the duly authorised representatives of the Parties hereto have signed this Contract the day and the year first written at ..................................Kenya.

--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
for and on behalf of the Contractor
County Government of Nakuru

--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------
Witness Witness
APPENDIX TO FORM OF AGREEMENT

This Appendix to Form of Agreement forms part of the Agreement.

(Note: with the exception of the items for which the Employer's requirements have been inserted, the Contractor shall complete the following information before submitting his offer.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Sub-clause</th>
<th>Data</th>
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</thead>
<tbody>
<tr>
<td>Time for Completion</td>
<td>7.1</td>
<td>1 Months after contract signing,</td>
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<tr>
<td>Priority of Documents</td>
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<td>The documents forming the Contract shall be interpreted in the following order of priority:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• the Contract Agreement and Appendix</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• the Letter of Acceptance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• the Form of Tender</td>
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<tr>
<td></td>
<td></td>
<td>• the Conditions of Contract, Part II - Conditions of Particular Application</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• the Conditions of Contract, Part I - General Conditions of Contract</td>
</tr>
<tr>
<td></td>
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<td>• the Specifications</td>
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<td></td>
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<td>• the Drawings,</td>
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<tr>
<td></td>
<td></td>
<td>• the Priced Bill of Quantities</td>
</tr>
<tr>
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<td>1.2</td>
<td>Laws of the Republic of Kenya</td>
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<tr>
<td>Language</td>
<td>1.2</td>
<td>English</td>
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<td>Provision of Site</td>
<td>2.1</td>
<td>On Commencement Date</td>
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<tr>
<td>Authorised Person</td>
<td>3.1</td>
<td>.............................................</td>
</tr>
<tr>
<td>Name and Address of Employer’s Representative</td>
<td>3.2</td>
<td>The Executive Member Transport &amp; Infrastructure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P. O. Box 2870-20100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NAKURU.</td>
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<tr>
<td>Penalty to the Contractor for Employer paying workers on his behalf</td>
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<td>Bank Guarantee/ Insurance Bond Approved by PPOA</td>
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<tr>
<td>Item</td>
<td>Sub-clause</td>
<td>Data</td>
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<td>-------------------------------------------</td>
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<tr>
<td>Design</td>
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<tr>
<td>Programme</td>
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<tr>
<td>Time of Submission</td>
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<td>Within 14 days of Commencement Date</td>
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<td>Form of Programme</td>
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<td>Interval Updates</td>
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<td>Liquidated Damages</td>
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<td>Third party injury to persons and damage to property</td>
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<td>........................................................................*</td>
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<tr>
<td>Workers compensation</td>
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<td>........................................................................**</td>
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<td>Place of Arbitration</td>
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<tr>
<td>........................................................................*</td>
<td>Employer to fill as appropriate</td>
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</tr>
<tr>
<td>........................................................................**</td>
<td>Contractor to fill as appropriate</td>
<td></td>
</tr>
</tbody>
</table>
ANNEX 1   THE WORKS

The Contractor shall in carrying out the maintenance Works undertake the specific
tasks set out by the Engineer in this Annex. The Work shall be carried out in
accordance with the Specification which are attached and form part of the Contract.

(The Engineer will list the tasks specific to each Contract which may include, among
others, the following;

- Culvert & Drainage Works
- Earthworks
SPECIFICATIONS
SECTION 4

SITE CLEARANCE

4.01 DESCRIPTION

Site clearance of the road reserve shall be carried out by the contractor by cutting the grass, bushes, all vegetation and undergrowth to a height not more than 200mm. The site clearance will be carried out where instructed by the Engineer.

Where directed by the Engineer, the contractor will remove and dispose of topsoil including roots to a depth of 150mm.

Structures, fences and obstructions will be removed and disposed of by the contractor as directed by the Engineer.

Tree pruning, cutting and stump removal shall be undertaken by the contractor when instructed by the Engineer.

4.02 MEASUREMENT AND PAYMENT

(a) Item: Site clearance

Unit: m²

Site clearance shall be paid for the area instructed cleared in m². The rate inserted shall cater for labour, tools, or equipment used as instructed by the Engineer.

(b) Item: Tree and Stump removal

Unit: No.

Removal of big trees and old dry tree stumps shall be measured by the Number removed as directed by the Engineer.
SECTION 5

2.1 EARTHWORKS

5.01 DESCRIPTION

This section covers all excavation of cuttings, haulage, placing and compaction of hard and soft material to form embankments. It also covers top soiling and grassing.

There shall be two classifications of materials i.e. hard material and soft material. Hard material is that material that cannot be excavated without blasting as determined by the Engineer. Boulders greater than 0.3m³ shall be considered hard material. Soft material shall be materials other than hard material and shall include waterlogged and swampy materials.

Fill material shall be deposited and compact in layers not exceeding 250mm for soft material and layers not exceeding 400mm for hard material. Hard material shall be maximum 250mm in dimension. The top 600mm of fill in hard material shall be formed using soft material. Rockfill to swamps shall have the same specification of maximum 250mm (quarry waste).

Compaction of earthworks will be by number of passes as directed by the engineer depending on the compaction equipment of the contractor which shall not be less than 8 tonnes.

Spoil material shall be either soft or hard material surplus to the required fill or unsuitable for fill and which the Engineer has instructed to be spoiled. Whenever the existing ground is unsuitable in quality for receiving the fill the contractor shall excavate and spoil the unsuitable material. It will be replaced with suitable material which will be treated as fill.

The existing ground and the top of cuttings shall be scarified to a depth of 150mm and compacted to receive the next construction layer. This shall be done at optimum water content as instructed by the Engineer.

When instructed by the Engineer the contractor shall place rockfill to the areas that are classified as swamps. The rock shall be well graded between 100mm and 250mm in size. The layer thickness shall be determined by the Engineer. The contractor shall proofroll the rockfill before the normal earthworks resume.

Where instructed by the Engineer, the contractor shall provide protection to the earthworks by topsoiling and grassing. The contractor shall spread approved topsoil uniformly to thickness as instructed by the Engineer.

Approved indigenous ‘runner’ type grass shall be planted at 150 mm centers. The contractor shall care for and water the grass until it is firmly established.
5.02 MEASUREMENT AND PAYMENT

(a) Item: Fill in soft material
Unit: m³
The rate for fill in soft material shall include the cost of excavation, loading, transporting, depositing, shaping, and compacting as instructed by the Engineer.

(b) Item: Fill in hard material
Unit: m³
The rate for fill in hard material shall include the cost of excavating, loading, transporting, depositing, breaking to the required size and compacting as directed by the Engineer.

(c) Item: Spoil in soft material
Unit: m³
The rate for spoil in soft material shall include the cost of excavation, loading, transporting, depositing and spreading in the spoil area as directed by the Engineer.

(d) Item: Spoil in hard material
Unit: m³
The rate of spoil in hard material shall include the cost of excavation, loading, transporting, depositing and spreading in the spoil area as directed by the Engineer.

(e) Item: Compaction of existing ground and top of cuttings
Unit: m²
The rate of compaction shall include for scarifying to a depth of 150mm watering, mixing and compacting to the satisfaction of the Engineer.

(f) Item: Excavation in swamps
Unit: m³
The rate of excavation in swamps will include for excavating waterlogged and swampy material, transporting and depositing and spreading in spoil areas as directed by the Engineer.

(g) Item: Rockfill to swamps
Unit: m³
The rate for rockfill shall be measured by the volume instructed to be placed. It shall include the cost of providing the material, transporting, placing and rolling as instructed by the Engineer.

(h) Item: Topsoiling
Topsoiling shall be measured by volume instructed. The rate shall include cost of providing approved top soil transporting and spreading as instructed by the Engineer.

(i) Item: Grassing

Unit: m²

The rate of grassing shall include the cost of providing and establishing approved grass sprigs, watering and protection until firmly established.
SECTION 8

CULVERTS AND DRAINAGE WORKS

8.01 DESCRIPTION

This section covers the following

(a) Provision and installation of concrete pipe culverts

(b) The construction of minor drainage structures such as headwalls, wingwalls, aprons, culvert inlet and outlet, cascades etc.

(c) The construction of protection works including scour checks, riprap, stone pitching and gabions.

(d) The excavation or fill works associated with culverts, all drains, minor drainage structures, scour checks, protection works.

(c) Cleaning of culverts, and all drains.

Concrete pipe culverts shall be precast and have the following properties

(i) be cast of concrete class 30/10
(ii) have flexible or ogee joints
(iii) be reinforced with a BRC weld mesh
(iv) be compacted by vibration or spinning
(v) be cured by saturating with water for 7 days and in the shade for 14 days before use
(vi) have the casting date inscribed on the barrel

When instructed pipe culverts shall be haunched using 150mm concrete class 15/20 surround.

The contractor will carry out all excavations for culverts, all drains and other drainage structures to the levels and lines as instructed by the Engineer. The bottom of the excavation shall be compacted to the approval of the Engineer. Where the in situ material is unsuitable the invert shall be excavated and backfilled using suitable material. The back-fill shall be obtained from the material excavated or from borrow pits and shall be compacted to the approval of the Engineer.

Concrete for minor drainage structures shall be class 20/20
Protection work in connection with drainage channels, culvert inlets and outlets and river training will consist of either scour checks, stone pitching, gabions or riprap.

Scour check shall be constructed using concrete class 20/20 or masonry walling using 225 x 150 mm dressed stone.

Stone pitching shall be formed of hard stone roughly dressed square and with dimension between 150mm and 250 mm and between 50mm and 100mm thick. A 1:4 cement sand mortar shall be applied for grouting when instructed.

Gabions shall be maccaferri boxes and mattresses both with diaphragms 1m centers or similar approved. Gabions shall be hand packed with broken rock between 150 mm and 300mm. The back face and ends of completed gabion work shall be backfilled thoroughly compacted against the sides of the gabions and finished flush with the top surface of the gabion.

Rip rap shall consist of well shaped hard dense durable rock. The stones shall be hand laid with close joints from the bottom of the ground upwards the stone shall be carefully bedded and tightly wedged to form an even surface.

The cleaning of culverts and drains shall be done by using labour appropriate tools, or equipment as instructed by the Engineer.

8.02 MEASUREMENT AND PAYMENT

(a) Item: Excavate for culverts and minor drainage structures in soft material
    Unit: m³

The rate for excavation in soft material shall include for the cost of spoiling of the material as directed by the Engineer. Measurement shall be the volume excavated as instructed by the Engineer.

(b) Item: Excavate for culverts and minor drainage structures in hard material
    Unit: m³

The specification same as (a) above but for hard material

(c) Item: Excavate for all drains in soft materials
    Unit: m³

The material shall be measured by the volume excavated in m³ as instructed. The rate shall include the cost of excavation and spoiling of the material excavated.

(d) Item: Excavate for all drains in hard material
Unit: m³

Same as (c) above but for hard material

(e) Item: Provide and joint various sizes of concrete pipes- 300mm, 450mm, 600mm, 900mm.
    Unit: m

    The measurement shall be by length in metres installed
    The rate of shall include provision and joining of various sizes of pipe culverts

(f) Item: Provide concrete class 15/20 to beds surrounds and haunches.
    Unit: m³

    The rate for concrete class 15/20 shall include for providing, placing and curing as directed by
    the Engineer.

(g) Item: Concrete to minor drainage structures such as headwalls, wingwalls etc
    Unit: m³

    The rate shall include the cost of providing, placing and curing class 20/20 concrete.

(h) Item: Stone pitching
    Unit: m²

    Stone pitching shall be measured by square metre. The rate shall include the cost of
    excavation, providing the stone and grouting using 1:4 cement sand mortar.

(i) Item: Gabion boxes
    2m x 1m x 1m, 1m x 1m x 1m or 0.5 m x 1m x 1m
    Unit: No

    Gabion boxes shall be measured and paid for by the size and number instructed

(j) Item: Rockfill to gabions
    Unit: m³

    Rock fill to gabions shall be in cubic metres of the boxes filled. The rate shall include the
    cost of providing, hauling and placing the rock in the gabion boxes
(k) Item: Concrete for scour checks
Unit: m³

The rate shall include the cost of ground preparation, providing placing and curing class 20/20 concrete

(l) Item: Masonry for scour checks
Unit: m³

The Masonry for scour checks shall be measured by the area instructed. The cost shall include the cost of provision of the dressed 200mm x 150mm stone, ground preparation, placing mortar and curing as necessary.

(m) Item: Rip-rap
Unit: m³

Rip-rap shall be in cubic metre. The rate for dumped riprap shall include for providing and dumping as instructed.

(n) Item: Masonry for headwalls and wing-walls to culverts
Unit: m²

The rate for masonry wall will include the cost of provision of 150mm x 150 mm dress stone, placing and curing.

(o) Item: Allow for cleaning of culverts and drains
Unit: Length (m) for partially silted
Volume (m³) for completely silted.

The cost for cleaning shall cater for labour, tools and equipment instructed used.
2.2 **GRADING AND GRAVELLING**

10.01 DESCRIPTION

(a) **Grading**

Grading covers the works involved in the reinstatement of the road carriageway to the camber by removing high points and filling up gullies, corrugations and wheel ruts to restore a smooth riding surface. When undertaking grading the material shall be graded towards the center of the road. Side ditches shall be developed during grading operation together with the obviously required mitre drains to enable water to drain away from the road. The Engineer will instruct the width to be graded. The contractor shall assess the road to be graded and determine the work involved before pricing his tender.

(b) **Gravelling**

Gravelling means spreading gravel wearing course material on the formation of a road carriageway. Gravel shall include lateritic gravel, quartzitic gravel, calcareous gravel, decomposed rock, soft stone, coral rag, clayey sand and crushed rock. The gravel material may be obtained from borrow pits or excavations in cuttings. The material shall have a minimum CBR of 20 and maximum P1 of 20. The material shall be uniformly graded between 0 and 75mm. The contractor shall be fully responsible for the acquisition of the gravel material site from the land owners. The cost of the material the removal of the overburden and opening of haul roads shall be included in the rate for gravelling. The Engineer shall show the contractor the location along the road where the material shall be placed. The contractor shall assess all the work involved in excavating and handling the material from the material site before costing the rate for gravelling.

The sections of the carriageway to be gravelled shall be graded as per (a) above and then compacted before the gravel material is dumped and spread uniformly across the whole of the instructed width of the carriageway. The material shall be broken down to maximum size of 75mm mixed with water and compacted using a roller of minimum 8 tonne all to the approval of the Engineer. The final compacted layer shall be 150 mm. The Engineer shall advise on the stacking of the gravel heaps along the road to achieve 150mm when compacted.
10.02 MEASUREMENT AND PAYMENT

(a) Item: Grading
Unit: m²

The rate of grading shall include the cost of grading as per clause 10.01 (a) of this specification. It will be measured by the width of the carriageway multiplied by the length of the road as instructed by the Engineer.

The width of road shall be measured as distance from side ditch to side ditch at any particular point.

(b) Item: Gravelling
Unit: m²

The rate for gravelling shall include the cost of material acquisition, removal of the overburden, excavation, loading, transportation, compaction of carriageway, dumping, spreading, watering and compaction of gravel as described in section 10.01 (b) of this specification.
SECTION 17

REINFORCED CONCRETE WORKS

17.01 DESCRIPTION

This section covers the materials, design of mixes, mixing, transport placing, compaction and curing of concrete and mortar required in the works. It also covers formwork and reinforcement for concrete.

17.02 SCOPE OF THE SPECIFICATION

The design, mixing, transportation, placing, curing, protection, finishes, mortar, formwork, and reinforcement which are all related to concrete works shall be carried out as specified under Section 17 of the “Standard Specification for Road and Bridge Construction” published by Roads Department in 1987.

17.03 MEASUREMENT AND PAYMENT

(a) Item: Concrete

Unit: m$^3$ of each concrete class

Concrete shall be measured by the cubic metres of each class calculated from the dimensions given on the drawings or instructed by the Engineer. No deduction shall be made for the reinforcement, mortar, or bolts.

The rate for the concrete shall include for the cost of:-

i) Provision and transport of cement, aggregate and water,
ii) Batching, mixing, transporting, placing, compacting, and curing of concrete,
iii) Class F1 finish.

(b) Item: Blinding concrete

Unit: m$^3$

Blinding concrete shall be measured by the cubic metre calculated as the product of the plan area of the foundation as shown on the drawings and the instructed thicknesses. No deduction shall be made for openings provided that the area of each is less than 0.5 m$^2$. Blinding concrete over hard material shall be measured as the volume used provided that the maximum thickness of 150mm allowed for overbreak is not exceeded.

The rate for blinding concrete shall include for all costs itemised in Clause 1703(a) of this specification

(c) Item: Formwork

Unit: m$^2$ of formwork for each class of finish

Formwork shall be measured by the m$^2$ of formwork actually in contact with the finished face of the concrete.
(d) Item: Unformed surface finishes  
Unit: $m^2$ for each class of finish

Unformed surface finishes shall be measured by the square metre from the dimensions given on the drawings or instructed by the Engineer.

(e) Item: Mortar  
Unit: $m^2$

Mortar used for bedding base plates and the like shall be measured by the square metre as the area of the base plate at the specified nominal thickness of the bedding.

(f) Item: Reinforcement  
Unit: Tonne for each type for each range of diameters

Reinforcement shall be measured separately for each of the following ranges.

(i) Of diameter equal to or less than 16mm
(ii) Of diameter greater than 16mm

Steel plain and deformed bar reinforcement shall be measured by the tonne and shall be the calculated Nyakinyuagh of the steel required including the splice lengths shown on the drawings.

The rate for reinforcement shall include for the cost of providing, cutting to length, laps, bending, hooking, waste incurred by cutting, cleaning, spacer blocks, providing and fixing of the chairs or other type of supports, welding, fixing the reinforcement in position including the provision of the wire or other material for supporting and tying the reinforcement in place, bending reinforcement and straightening, placing and compacting concrete around reinforcement.
SECTION 20

ROAD FURNITURE

20.01 DESCRIPTION

This section covers the reinstatement of road furniture where they have been vandalised or destroyed through road accidents.

20.02 Road Signs

All road signs shall comply with the requirement of the” Manual for Traffic Signs in Kenya”, Part II
Road signs shall be obtained from a manufacturer approved by the Engineer. All colours on the road sign except black and grey shall be reflectorised.
Road signs shall comply with the requirement of BS 873 Parts 2, 6, & 7 in respect of quality including the pre-treatment, preparation and protective coatings for the frame posts and fittings.
The contractor shall excavate in any material for the foundation of the road sign, provide and place concrete class15/20 embedded all round and under the posts and backfill all as shown in the drawings.

Road Marking

Road markings shall comply with the requirement of the “Manual for Traffic Signs in Kenya”, Part I. Markings shall be white or yellow as instructed by the Engineer.
Paint and hot applied thermoplastic material shall comply with Section 2 of the “Standard Specification for Road and Bridge construction 1986” issued by the Roads Department.
Ballotini beads shall be mixed with the paint before application or applied to the painted areas immediately after painting as instructed by the Engineer.
Prior to application of paints, the road surface to be marked shall be thoroughly cleaned of all loose material and shall be completely dry.
The application of the paint shall be done by machine or brushing.
Warning signs shall be erected when painting is in progress and traffic shall not be allowed to pass over wet paint.

Guard Rails

Guard rails shall be obtained from a manufacturer approved by the engineer and shall be in accordance with AASHTO M180 class A with a type 1 finish.
Posts shall be constructed of concrete class 20/15 reinforced with 16 mm diameter mild steel bars all as shown in the drawings.
Guardrails shall be erected at locations shown on the drawings or instructed by the Engineer.
The contractor shall excavate for the posts in any material and provide all posts. Blocks nuts washers and shall backfill around the posts.
Kerbs

Where shown on the drawings or directed by the Engineer the contractor shall excavate in any material, provide and place concrete for the haunch, backfill, provide, lay and joint precast concrete kerbs complying with the requirement of BS 340. The haunch shall be concrete class 15/20 as per the requirements of Section 17 of this specification.

20.03 MEASUREMENT AND PAYMENT

(a) Item: Road Signs

Unit: No

The rate for the road signs shall include for the costs of providing all materials including posts and fittings, fabrication, transportation, excavation in any material, installation, concrete foundations, and backfill as described in this specification.

(b) Item: Road Marking in yellow or white paint

Unit: m²

Road marking in yellow or white paint shall be measured in square metres calculated as the plan area instructed to be painted. The rate for road marking in yellow or white paint shall include for the cost of setting out, providing paint and painting to any symbol or line of any width and complying with this specification.

(c) Item: Guardrail

Unit: m

Guardrails shall be measured by the metres as the length of guardrail instructed. The rate for guardrail shall include for the cost of provision and transport for all materials, excavation, concrete posts, erection, backfilling and complying with this specification.

(d) Item: Kerbs

Unit: m

The rate for the kerb shall include for the cost of provision of all the materials, excavation in any material, laying and jointing kerbs, concrete bedding, haunching, and backfilling and complying with this specification.
SECTION 22

DAYWORKS

22.01 DESCRIPTION
This section covers provisional items included in the bills of quantities to cover the payment of plant, labour, and materials for work instructed by the Engineer on daywork basis.

22.02 MEASUREMENT AND PAYMENT

(a) Plant and Equipment
Payment for plant and equipment shall only be made for the time each item of plant or equipment is actually working. Idle time due to breakdown or incompleteness of the plant shall not be paid for.

The rate for plant or equipment shall include for the cost of the following

(i) Transportation of the plant or equipment to the site
(ii) Operators, drivers, and turn boys including their overtime
(iii) Power, water, fuel, oil, grease and other consumables
(iv) Maintenance, spare parts, and all costs of repairs
(v) Depreciation, insurance, overheads and profits.

(b) Labour
Payment shall only be made for the time each class of labour is actually working on the daywork instructed by the Engineer.

The rate for labour shall include the cost of the following

(i) All salaries, allowances and other payments required by the labour
(ii) Provision of small tools used on day work such as picks, shovels, pangas, jembes, hammers, chisels and all other tools used by tradesmen

(c) Materials
Payment shall only be made for materials instructed by the Engineer for use in dayworks. The rate for materials shall include for cost of purchase or provision of the material, transport to the site, storage, handling, profits and overheads.

22.03 SCHEDULE OF DAYWORKS
The Engineer will compile a schedule of the plant labour and materials likely to be instructed for day works for each project. This shall be shown under Bill No.22 in the Bills of Quantities.
FIGURE C11- HEADWALL TYPE 1 (HEAD AND WINGWALLS)

SECTION A-A

Massacon, Concrete 20/20 (1:2:4) or concrete block wingwalls & headwalls

15/20 Concrete (1:3:6)

SECTION B-B

Overfill min = 75% of pipe diameter

Concrete 20/20 (1:2:4)

15/20 concrete bedding 0.10-0.15m

PLAN

PIPE DIAMETER IN M

<table>
<thead>
<tr>
<th>PIPE DIAMETER</th>
<th>TYPE A and C CONCRETE BLOCKS</th>
<th>TYPE B (STONE MASONRY)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>450</td>
<td>600</td>
</tr>
<tr>
<td>a FOUNDATION</td>
<td>0.30</td>
<td>0.30</td>
</tr>
<tr>
<td>b FOUNDATION</td>
<td>0.30</td>
<td>0.30</td>
</tr>
<tr>
<td>c FOUNDATION</td>
<td>2.20</td>
<td>2.35</td>
</tr>
<tr>
<td>d APRON</td>
<td>1.00</td>
<td>1.00</td>
</tr>
<tr>
<td>e APRON</td>
<td>0.30</td>
<td>0.20</td>
</tr>
<tr>
<td>f WALL</td>
<td>0.20</td>
<td>0.20</td>
</tr>
<tr>
<td>g WALL</td>
<td>0.30</td>
<td>0.30</td>
</tr>
<tr>
<td>h WALL</td>
<td>1.15</td>
<td>1.15</td>
</tr>
<tr>
<td>i WALL</td>
<td>0.20</td>
<td>0.20</td>
</tr>
<tr>
<td>j APRON</td>
<td>1.05</td>
<td>1.20</td>
</tr>
</tbody>
</table>

CULVERT TYPES

<table>
<thead>
<tr>
<th>X-SECTION WIDTH</th>
<th>No. of pipes</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.50</td>
<td>6</td>
</tr>
<tr>
<td>5.50</td>
<td>7</td>
</tr>
<tr>
<td>6.50</td>
<td>8</td>
</tr>
</tbody>
</table>

MATERIAL REQUIREMENT

| FOUNDATION (concrete) | 0.30 | 0.32 | 0.51 | 0.40 | 0.42 | 1.03 |
| HEAD/WINGWALLS (Concrete/Masonry) | 0.42 | 0.49 | 0.70 | 0.84 | 0.86 | 1.46 |
| APRON (concrete) | 0.33 | 0.36 | 0.53 | 0.33 | 0.30 | 0.52 |
### Figure C17: Bedding and Surround Profile Types III & IV

#### Profile III (Concrete)

![Profile III Diagram]

#### Profile IV (Concrete)

![Profile IV Diagram]

<table>
<thead>
<tr>
<th>Diameter (D)</th>
<th>450 (mm)</th>
<th>600 (mm)</th>
<th>900 (mm)</th>
<th>450 (mm)</th>
<th>600 (mm)</th>
<th>900 (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a</td>
<td>0.15</td>
<td>0.20</td>
<td>0.20</td>
<td>0.15</td>
<td>0.20</td>
<td>0.20</td>
</tr>
<tr>
<td>b</td>
<td>0.10</td>
<td>0.15</td>
<td>0.15</td>
<td>0.10</td>
<td>0.15</td>
<td>0.15</td>
</tr>
<tr>
<td>c</td>
<td>0.86</td>
<td>1.12</td>
<td>1.48</td>
<td>0.86</td>
<td>1.12</td>
<td>1.48</td>
</tr>
<tr>
<td>d</td>
<td>0.56</td>
<td>0.72</td>
<td>1.08</td>
<td>0.56</td>
<td>0.72</td>
<td>1.08</td>
</tr>
<tr>
<td>e</td>
<td>0.42</td>
<td>0.54</td>
<td>0.81</td>
<td>0.46</td>
<td>0.52</td>
<td>0.78</td>
</tr>
<tr>
<td>f(min)</td>
<td>0.23</td>
<td>0.3</td>
<td>0.45</td>
<td>0.15</td>
<td>0.15</td>
<td>0.15</td>
</tr>
<tr>
<td>g</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>h</td>
<td>0.52</td>
<td>0.69</td>
<td>0.96</td>
<td>0.81</td>
<td>1.02</td>
<td>1.38</td>
</tr>
<tr>
<td>i</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.28</td>
<td>0.35</td>
<td>0.45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Concrete Volume in (m³/m)</th>
<th>Volume in (m³/m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class 15/20</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.26</td>
</tr>
<tr>
<td>Application</td>
<td>Fair subgrade condition</td>
</tr>
<tr>
<td></td>
<td>Overfill &gt; 75% of the pipe diameter</td>
</tr>
<tr>
<td></td>
<td>Seasonal water flow only</td>
</tr>
</tbody>
</table>

| Application               | Fair to poor subgrade condition |
|                           | Overfill > 75% of the pipe diameter |
|                           | Seasonal water flow only |

<table>
<thead>
<tr>
<th>Remarks</th>
<th>Material for back/overfill shall be approved by the Engineer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Material for back/overfill shall be approved by the Engineer</td>
</tr>
</tbody>
</table>
FIGURE C.1 - CROSS SECTION A (MINOR STANDARD CROSS-SECTION)

Min. 0.50

1.20 Carriageway 5.40 1.20 0.6 Min. 0.50

0.35 8% 8% (compacted)

Gravel Layer = 0.12 compacted (0.20 on special sections)

Backslope
Min. 3 : 2
Max. 3 : 1

NOTE:

- ALL SPECIFIED DIMENSIONS IN m.

- TRAFFIC LEVELS OF MORE THAN 200 VPD MAY JUSTIFY RUNNING SURFACE WIDTH INCREASE TO 6.50 METRES
FIGURE C.2 - CROSS SECTION B (REDUCED CROSS-SECTION)

Min. 0.50
Carriageway 4.50
1.000
2.25
8% (compacted)

0.305
0.40
1.00
2.25
8%
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-80-026</td>
<td>PC Sum of ksh 90 000 for the resident Engineer's miscellaneous account.</td>
<td>PC Sum</td>
<td>1</td>
<td>90000</td>
<td>90,000</td>
</tr>
<tr>
<td>01-80-027</td>
<td>include % of PC sum in item 1.09 for contractor's overhead and profit</td>
<td>%</td>
<td></td>
<td>90000</td>
<td></td>
</tr>
<tr>
<td>01-80-010</td>
<td>PC sum for off-site material testing.</td>
<td>PC Sum</td>
<td>1</td>
<td>20000</td>
<td>20,000</td>
</tr>
<tr>
<td>01-80-011</td>
<td>include % of PC sum in item 1:11 for contractor's overhead and profit</td>
<td>%</td>
<td></td>
<td>20000</td>
<td></td>
</tr>
<tr>
<td>01-80-012</td>
<td>pc sum for removal and reinstatement of services</td>
<td>PC Sum</td>
<td>1</td>
<td>40000</td>
<td>40,000</td>
</tr>
<tr>
<td>01-80-013</td>
<td>include % of PC sum in item 1:11 for contractor's overhead and profit</td>
<td>%</td>
<td></td>
<td>40000</td>
<td></td>
</tr>
<tr>
<td>01-80-016</td>
<td>Provide and maintain publicity signs as directed by the Engineer in accordance</td>
<td>No.</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>01-80-030</td>
<td>PC Sum for attendance to the Engineer's site staff</td>
<td>PC Sum</td>
<td>1</td>
<td>30000</td>
<td>30,000</td>
</tr>
<tr>
<td>01-80-031</td>
<td>include % of PC sum in item 1:22 for contractor's overhead and profit</td>
<td>%</td>
<td></td>
<td>30000</td>
<td></td>
</tr>
<tr>
<td>01-80-042d</td>
<td>Pc sum for Survey Works</td>
<td>PC Sum</td>
<td>1</td>
<td></td>
<td></td>
</tr>
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</table>

**TOTAL BIL 1**

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>Qty</th>
<th>Rate</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>04-60-001</td>
<td>Clear site on road reserve including removal of trees, hedges, bushes and other vegetation</td>
<td>m²</td>
<td>4000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>04-60-002</td>
<td>Remove top soil to maximum depth of 200mm as directed by the Engineer stockpile good material for later top soiling of slide slopes and landscaping of quarries and borrow pits</td>
<td>m²</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bill No.</td>
<td>Description</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05-60-006</td>
<td>Selected materials for improved sub grade of minimum soils class S3 (CBR 10): dump, spread, water, mix and compact to 100% (MDD AASHTO T.99) as per specification</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05-60-003</td>
<td>Compaction of top 300mm below formation in cuts and fills to 100% MDD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05-50-016</td>
<td>Scarify water and compact existing ground to at least 95%MDD (AASHTO T99) to a depth of 150mm below ground level.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL BIL 4**

<table>
<thead>
<tr>
<th>Bill No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07-50-001</td>
<td>Excavation in soft material for major structures i.e. box culverts and gabion works.</td>
</tr>
<tr>
<td>07-50-002</td>
<td>Excavate for structure in hard material</td>
</tr>
<tr>
<td>07-60-002</td>
<td>Provide and place macaferri or equivalent gabion boxes and matresses as specified.</td>
</tr>
<tr>
<td>07-60-003</td>
<td>Provide and place rockfill to gabions.</td>
</tr>
<tr>
<td>07-60-012</td>
<td>Provide stone pitching as directed by the Engineer.</td>
</tr>
<tr>
<td>07-60-011</td>
<td>cement grouting as directed by the Engineer.</td>
</tr>
<tr>
<td>07-60-013</td>
<td>Provide, place and compact rockfill below structures as directed by the Engineer</td>
</tr>
<tr>
<td>07-60-010</td>
<td>provide and place porous fill material behind wingwalls</td>
</tr>
</tbody>
</table>

**TOTAL BIL 5**

<table>
<thead>
<tr>
<th>Bill No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07-60-014</td>
<td>Provide, place and compact rockfill below structures as directed by the Engineer</td>
</tr>
<tr>
<td>07-60-010</td>
<td>provide and place porous fill material behind wingwalls</td>
</tr>
</tbody>
</table>

**TOTAL BIL 7**

<table>
<thead>
<tr>
<th>Bill No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07-60-014</td>
<td>Provide, place and compact rockfill below structures as directed by the Engineer</td>
</tr>
<tr>
<td>07-60-010</td>
<td>provide and place porous fill material behind wingwalls</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>08-50-034</td>
<td>Excavate/desilt, grade to shape inlets outfalls, side drains to free flow conditions including cart to spoil any excess grass debrils and soils as and where directed by the engineer.</td>
</tr>
<tr>
<td>08-90-012</td>
<td>Clean culverts to free flow condition.</td>
</tr>
<tr>
<td>08-60-030</td>
<td>Excavate for inlet, outfall, mitre and catchwater drains in soft material.</td>
</tr>
<tr>
<td>08-90-003</td>
<td>Excavate in soft materials for pipe culverts, headwalls, wingwalls, apron, toewalls and drop inlets</td>
</tr>
<tr>
<td>08-90-006</td>
<td>Provide, lay and joint 600mm inner diameter (ID) precast concrete pipes</td>
</tr>
<tr>
<td>08-90-008</td>
<td>Provide place and compact class 15/20 concrete to beds, surrounds and haunches.</td>
</tr>
<tr>
<td>08-60-036</td>
<td>Provide place and compact class 25/20 concrete to headwalls, wingwalls, aprons and toe walls to pipe culverts including formwork.</td>
</tr>
</tbody>
</table>

**TOTAL BIL 8**

**BILL 10: GRADING**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-50-002</td>
<td>Light grading including watering compaction forming side ditches and backslope on both sides of road, shape to camber including stone fill where necessary as instructed by engineer</td>
<td>m²</td>
<td>81,600</td>
</tr>
<tr>
<td>10-60-003</td>
<td>supply, spread water and compact gravel material to 95% maximum dry density (MDD) using an approved roller. The CBR of gravel should be at least 30 and complying with all specifications including formation of correct camber to</td>
<td>m³</td>
<td>3,450</td>
</tr>
<tr>
<td>BILL 12: NATURAL MATERIAL BASE AND SUBBASE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provide, lay and compact Hand packed stone material including fillings voids with stone dust as directed by the Engineer.</td>
<td>m³</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BILL 14: CEMENT AND LIME TREATED MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide, transport to site and spread cement on natural gravel or GCS material for base or subbase as specified and as directed by the Engineer AT 30-90 kg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BILL 15: BITUMINOUS SURF.TREAT.&amp;S DRESSING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepare surface of carriageway, bus bays and repair areas, provide and spray MC-30 cut back bitumen at a rate of 0.8-1.2 lt/m² as prime coat.</td>
</tr>
</tbody>
</table>

<p>| Prepare surface of repair areas, provide and spray K1-60 bitumen emulsion as tackcoat or seal to repair areas at a spray rate of 0.8-1.0/square metre as directed by the engineer. | Ltrs |</p>
<table>
<thead>
<tr>
<th>BILL 16: BITUMINOUS MIXES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>16-80-001</td>
<td>Provide, place and compact asphalt concrete Type 1 with 5-6% nominal bitumen content by weight to total mix as wearing course on carriageway as directed by the Engineer.</td>
</tr>
<tr>
<td>16-80-008</td>
<td>Provide, place and compact asphaltic concrete Type 1 to repair areas and for regulation to carriageway as directed by the Engineer.</td>
</tr>
<tr>
<td>16-80-002</td>
<td>Provide, place and compact dense bitumen macadam (DBM) with 3.0-4.5% nominal bitumen content by weight of total mix or as base on reconstruction sections as directed by the Engineer</td>
</tr>
<tr>
<td>TOTAL BILL 16</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BILL 17: CONCRETE WORKS CONCRETE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>17-80-001</td>
<td>Class 15/20 for blinding</td>
</tr>
<tr>
<td>17-80-002</td>
<td>Class 25/20 concrete</td>
</tr>
<tr>
<td>TOTAL BILL 17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BILL 20: ROAD FURNITURE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>20-50-007</td>
<td>Provide approved refectorised white paint and paint 100 mm wide white lines at the road edge as directed by the Engineer.</td>
</tr>
<tr>
<td>20-50-006</td>
<td>Approved refectorised yellow paint and paint 100mm wide yellow centre lines on the road as directed by the Engineer.</td>
</tr>
<tr>
<td>20-50-019</td>
<td>Provide and place reflectors (cateyes) as instructed.</td>
</tr>
<tr>
<td>20-50-020</td>
<td>provide and erect permanent road signs where instructed by the engineer and in accordance with the specifications as follows;</td>
</tr>
</tbody>
</table>

57
<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>Warning signs</td>
<td>No.</td>
</tr>
<tr>
<td>(b)</td>
<td>Standard informatory signs.</td>
<td>No.</td>
</tr>
<tr>
<td>17-80-003</td>
<td>Place and provide class 20/20 concrete Bollards size 1.2xx2x0.2 embedded to a depth of 0.3 m at place and as directed by the Engineer.</td>
<td>No.</td>
</tr>
<tr>
<td>20-50-012</td>
<td>Excavate for lay and joint 250mm by 125mm P.C.C. Kerbs bedded and n a 1:3 cement mortar and laid on 225mm by 100mm bed haunched by 100mm and 125 mass concrete class 20/20. Rates to include carting away to spoil and watering for curing at least seven days</td>
<td>M</td>
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<td>Supply lay 60mm thick paving block and vibrate with a plate compactor to the satisfaction of the engineer</td>
<td>M²</td>
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<td><strong>TOTAL BILL 20</strong></td>
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<td>SUMMARY</td>
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<td>TOTAL BILL 1</td>
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<td>TOTAL BILL 20</td>
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<td><strong>TOTAL 1</strong></td>
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<tr>
<td><strong>ADD 16% VAT</strong></td>
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<tr>
<td><strong>TOTAL CARRIED TO FORM OF TENDER</strong></td>
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# WORK PROGRAMME

**CONTRACT PERIOD:**

**ACTIVITY IN WEEKS AS PER THE BILL OF QUANTITIES**

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<thead>
<tr>
<th>ACTIVITY/WEEKS</th>
<th>WEEKS</th>
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