

KWAZULU-NATAL DEPARTMENT OF AGRICULTURE AND RURAL DEVELOPMENT

Quotation No: R/S/2122/651

CONSTRUCTION OF CAUSEWAY / GABIONS FOR MGOJANE PROJECTS

NAME OF BIDDER:	

COMPULSORY SITE BRIEFING				
DATE 08 SEPTEMBER 2021				
MEETING VENUE	30 RAINOLD STREET , MELMOTH			
IEETING ADDRESS 30 RAINOLD STREET, MELMOTH				
MEETING TIME	11H00			
START TIME	11H00			

1. PRE-QUALIFICATION CRITERIA

Evaluation will be in terms of the 80/20 preference point system

For more information, please contact the following official:

For: Technical Enquiries

Bhekani Mhlongo 081 392 1230

For: Quotation/SCM enquiries:

Ms Bonnie Mabaso 033-343 8311

CLOSING DATE: 20 SEPTEMBER 2021 TIME: 11:00 AM



INVITATION OF QUOTATION ABOVE R30,000.00

THIS FORM SHOULD BE COMPLETED IN DETAIL AND SHOULD BE ACCOMPANIED BY A VALID TAX

COMPLIANCE STATUS PIN AND VALID BBBEE VERIFICATION CERTIFICATE/AFFIDAVIT

QUOTATION NUMBER: R/S/2122/651	VALIDITY PERIOD OF QUOTATION Days
	(To be completed by the Supplier)
CLOSING DATE: 20 SEPTEMBER 2021	CLOSING TIME:11H00
DESCRIPTION(SPECIFICATION/S) OF ITEMS/ SERVICE REQUIRED:	COMPANY NAME: TEL NO: FAX NO:
Construction of Causeway/Gabions for Mgojane Project	
	CSD REG NUMBER MAAA
DOES OFFER COMPLY WITH SPECIFICATION?	YES/NO (DELETE WHICH EVER IS NOT APPLICABLE)
DOES ARTICLE COMPLY WITH SABS SPECIFICATION? HAS IT BEEN INSPECTED BY SABS?	YES/NO YES/NO (DELETE WHICH EVER IS NOT APPLICABLE)
DELIVERY PERIOD AFTER INITIAL ORDER?	
IS THE PRICE FIRM	
WHERE ARE THE STOCK HELD? (PHYSICAL ADDRESS , PLEASE)	
QUOTATION PRICE INCLUDING VAT (VAT TO BE ADDED BY REGISTERED VAT VENDORS ONLY)	TOTAL: R
COMPANY OFFICIAL STAMP (COMPULSORY)	SIGNATURE OF BIDDER
	DATE
NUMBER OF PAGES FAXED BACK TO THE DEPARTMENT BY THE SUPPLER	(Supplier to complete)

NB: QUOTATION FOR THE ATTENTION OF: BONNIE MABASO 033 3438311 TENDER BOX -4 PIN OAK AVENUE, HILTON QUARRY

NB:

THE ATTACHED SBD4. SBD 6.1,SBD 6.2 SBD 7.2. SBD 8, SBD9& SBD 10 FORMS MUST BE COMPLETED IN FULL. THIS REQUEST FOR QUOTATION (RFQ) MUST BE COMPLETED AND RETURNED WITH ALL YOUR QUOTATION DOCUMENTS.

ANNEXURE A **COMPANY NAME ADDRESS CONTACT PERSON CONTACT NUMBER FAX NUMBER** SITE BRIEFING IS COMPULSORY **DESCRIPTION OR** REQUIRED UNIT PRICE EXCL. SPECIFICATION OF ITEM **TOTAL PRICE** QUANTITY VAT (Please be very specific and clear) R C R Construction of Causeway/Gabions. Attached detailed specification. 1 NB detailed costing to be completed on the Pricing Schedule Table - page 26-28 of the spec document and the total to be carried forward to this page. * LABOUR (IF APPLICABLE) *DELIVERY (IF APPLICABLE) TOTAL *ONLY APPLICABLE TO VAT REGISTERED SUPPLIERS **TOTAL PRICE** *VAT Registration No. (Supplier) --When Required (Requester): 26 July 2021 Where Required (Requester): Project site 55km from Melmoth Town. Contact details of requester: Engineer: Mr Bhekani Mhlongo - 081 392 1230/082 302 8211

C

LINE

1.

NO.

COMPANY STAMP	PRICES ARE VALID FOR 30 60 90 DAY
	SIGNATURE DATE :

APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF CAUSEWAY/GABIONS FOR MGOJANA/YANGUYE LANDCARE PROJECT AT MBOJANE AREA IN KCDM- UMTHONJANENI LOCAL OFFICE – PHASE2

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TERMS OF REFERENCE

APPOINTMENT OF A SERVICE PROVIDER FOR THE CONSTRUCTION OF CAUSEWAY/GABIONS FOR MGOJANA/YANGUYE LANDCARE PROJECT AT MBOJANE AREA IN KCDM- UMTHONJANENI LOCAL OFFICE - PHASE2

1. BACKGROUND

1.1. The Mgojana Project is a communal project in uMthojaneni Municipality of King Cetshwayo District. The beneficiaries own a land in excess of 24ha of land and they are planning to plant field crops, the Bid for this document only covers Construction of Causeway and gabions for Mgojana community.

The Department is aiding the community through the program of Land Care to do construction of gabions. The Department is looking to secure the services of a competent and CIDB registered contractor to effect the proposed works. Erosion is the problem in Mbojane site as a result the district team; agricultural advisors recommended the use of culverts/gabions to construct causeway as per engineering designs and specifications. The Department is therefore looking for service providers who will supply deliver and construct gabions as per the attached specifications and drawings

2. SCOPE OF SERVICES

- **Excavation for Trenches**
- Supply Deliver Culverts Pipes
- Place and align Culverts Pipes and Steel Bars
- Construct Caseway/Gabions as per design and specifications Section E (Pricing Schedule with specifications) lists the works in detail & provides specifications for the work to comply with attached drawings Annexure AA, AA1, BB and Annexure A-Map Pricing Schedule.

3. SITE LOCATION

- The site is located in the uMthonjaneni Local Municipality in the King Cetshwayo District Municipality, at approximately 55 km outside of MelmothTown.
- 3.2. Site Coordinates: S 28° 25' 33.4" and E 31°30' 49".

SPECIAL CONDITIONS

1. BASIS OF QUANTITIES

The scope of works, bill of quantities and the specifications governing the works as per attached annexures are the basis of the contract. Drawings listed under the project technical specification are also part of the documentation, which compliments the specification. Prospective bidders should read and understand all the documentation and drawings before they offer their bid.

2. COMPETENCY OF THE SERVICE PROVIDER

2.1. This quote is open for contractors with a Construction Industry Development Board (CIDB) data base grading of minimum 2GB. The contractor is to submit evidence of his/her OWN Active

3. COMPULSORY SITE BRIEFING

A compulsory site-briefing meeting will be held with prospective Service Providers. Attendance at the meeting will be compulsory and non-attendance shall invalidate the quote. The date and time of the meeting will be published in the Bid Advertisement or, in the case of a quote, be communicated when the prospective service provider is invited to quote. The site briefing will take place in the week of2020.

4. INVOICES

- All invoices submitted by the Contractor must be Tax Invoices indicating for what part of the
- A tax invoice shall be in the currency of the Republic of South Africa and shall contain the 4.2
 - 4.2.1. The name, address and registration number of the supplier;
 - 4.2.2. The name and address of the recipient;
 - 4.2.3. An individual serialized number and the date upon which the tax invoice is issued;
 - 4.2.4. A description of the goods or services supplied;
 - 4.2.5. The quantity or volume of the goods or services supplied;

5. IRREGULARITIES

Companies are encouraged to advise the Department timeously of any possible irregularities which might come to their notice in connection with this or other contracts.

PAYMENT FOR SUPPLIES AND SERVICES

- A contractor shall be paid by the Department in accordance with supplies delivered and services
- Any query concerning the non-payment of accounts must be directed to the Department. The 6.2 following protocol shall apply if accounts are queried:
 - Contact must be made with the officer-in-charge of the District Office; Engineer/ Engineering Technician, failing to get answers, the Land care Coordinator and Land care Manager to intervene and assist about the process. 6.2.2
 - If there is no response from the District Office, the Director: Finance must be

6.3 Information as contained on the Central Suppliers Database must be valid/correct. Noncompliance with Tax Requirements shall affect payment.

7. PERIOD OF CONTRACT

7.1 The contract is ad hoc / once off. As for the completion period, see section 40.

8. QUALITY CONTROL/ TESTING OF PRODUCTS

- The Department reserves the right to inspect and verify the quality and specifications of the supplied materials and equipment, as well as other items listed on the Bill of Quantities, **before** construction and/or installation. In case of deviations in terms of dimensions, strength, numbers or otherwise, the Contractor shall replace these goods for the correct ones at his/her own expense.
- 8.2 The same replacement obligation to the Contractor would apply during the entire construction period.
- 8.3 In the case of sustained or repeated non-adherence to the specifications of the materials and/or equipment, as well as in the case of general negligence during the implementation process, the contract may be cancelled. The Department will in such cases seek compensation from the contractor for the estimated costs for completion.
- 8.4 In cases of deliberate negligence or unwillingness to adhere to the Departmental specifications, the Service provider will be reported to the Provincial and/or National Treasury for listing on the Restricted section of the Central Suppliers database.

9. ORDER OF PRECEDENCE

9.1 This invitation to bid/quote is issued in accordance with the provisions of the Public Finance Management Act (PFMA), Chapter 16 A of the Treasury Regulations and shall be subject to the provisions of the National Treasury Government Procurement General Conditions of Contract (July 2010). The Special Terms and Conditions are supplementary to that of the General Conditions of Contract. Where, however, the special terms and conditions are in conflict with the General Conditions of Contract, the Special Terms and Conditions shall prevail.

10. SUPPLIERS DATABASE REGISTRATION

- 10.1 A service provider submitting an offer must be registered on the Central Suppliers Database at National Treasury. A potential service provider who has submitted a quote is not registered on the Central Suppliers Database shall not be considered at the time of award. No pending registrations shall be considered.
- 10.2 A Joint Venture/Consortium must be registered on the Central Suppliers Database at the time of submitting the bid.

NB: If a service provider is found to be employed by the State and is on the Central Suppliers database, the service provider shall be disqualified.

11. TAX AND DUTIES

11.1 During the quotation stage, prices offered and paid must include all customs, excise and import duties, and any other tariffs or taxes levied by the government or statutory body having jurisdiction on the goods provided under this contract, including Value Added Tax (applicable at the current rate).

12. TAX COMPLIANCE PIN

- 12.1 The service provider must submit a valid Tax Compliance Pin with the bid. Service providers should note that their tax compliance status shall be verified through the Central Supplier Database and SARS.
- 12.2 Where a Tax Compliance Pin is not submitted with the quote, the Department shall use the Central Supplier Database to verify the tax matters of the service provider.

13. UNSATISFACTORY PERFORMANCE

- 13.1. Unsatisfactory performance occurs when performance is not in accordance with the contract conditions.
- 13.2. The Departmental official monitoring the implementation shall first warn the contractor verbally about his/her underperformance in terms of completion rate, quality of the work or quality or specifications of materials as part of a site instruction. After that, in the absence of sufficient improvements, the contractor shall be warned in writing that action shall be taken in accordance with the contract conditions unless the contractor complies with the contract conditions and delivers satisfactory supplies or services within a specified reasonable time (7 days minimum).
- 13.3. If the Contractor fails to commence the Works or to proceed with and complete the Works in compliance with the projected timeframes, the Head of Department or his/her representative shall take action in terms of its his/her delegated powers and adopt and exercise one of the following courses wholly or partly, viz: -
 - 13.3.1. To direct the Contractor, in writing, on any day named therein to suspend and discontinue the execution of the Works, and to withdraw himself and his workmen from the said Site or Sites,
 - 13.3.2. To make a recommendation to the Accounting Officer for cancellation of the contract concerned.
 - 13.3.3. To Contract or Contracts by calling for Bids or otherwise with any other Contractor or Contractors for the completion of the Works, or any part thereof, at such times and upon such terms as to the Department shall deem best.
- 13.4. In relation to the foregoing provisions the Department shall charge any sums of money which may be paid by the Department for completing the said Contract against the Contractor and if such amount shall exceed this Contract, then the Department shall have the right to recover such excess or any balance thereof from the Contractor by legal proceedings.
- 13.5. When correspondence is addressed to the contractor, reference shall be made to the contract number/ item number/s and an explanation of the complaint.

14. VALIDITY PERIOD OF QUOTE

14.1 The validity (binding) period for the quote shall be **60 days** from the deadline for the submission of quotes. However, circumstances may arise whereby the Department needs to extend the validity period. Should this occur, the Department shall formally request those who submitted quotes service providers to extend the validity (binding) period under the same terms and conditions as originally offered for by service providers. This request shall be done before the expiry of the original validity (binding) period.

15. VALUE ADDED TAX (VAT)

- 15.1 Quotes must be inclusive of 15% VAT.
- 15.2 Service providers who make taxable supplies in excess of R1 million in any 12-month consecutive period are liable for compulsory VAT registration, but a person may also choose to register voluntarily provided that the minimum threshold of R50 000 (as of 1 March 2010) has been exceeded in the past 12-month period. Service providers who meet the above requirement must register as VAT vendors, if successful, within one month of award of the bid.

15.3 For the purpose of calculating preference points, VAT shall not be considered during the quotation process.

16. SERVICE LEVEL AGREEMENT

- 16.1 The successful Service provider and the Department will sign a Service Level Agreement prior to commencement of works. A proposed schedule of works must be provided by the contractor for the approval of the Engineer within two weeks of receiving notification of the award of the contract.
- 16.2 The Special Terms and Conditions (STC), the Standard Technical Specifications (STS), the Bill of Quantities and Specifications as contained in the Pricing schedules, together with the Drawings, are deemed to form part of the SLA.

17. COMMENCEMENT OF THE WORK

- 17.1. Site establishment must start within ONE week, and the actual works within TWO weeks after hand-over of the site, provided that;
 - 17.1.1. An official order has been issued;
 - 17.1.2. The contractor is in possession of all relevant documentation required for works execution;
 - 17.1.3. No exceptional circumstances such as inclement weather or other outside the control of either party to the contract prevail.
- 17.2. In case work has not commenced within two (2) weeks of the site hand-over and no attenuating circumstances for the delay can be provided, the Department reserves itself the right to cancel the contract.

18. HANDOVER OF SITE TO CONTRACTOR

- 18.1. The Department will organize a site hand-over to the contractor who will then be introduced to the project stakeholders and participants.
- 18.2. The site will be handed back at works completion after a final inspection by the Engineer revealed no outstanding patent defects.
- 18.3. The Contractor will control the site for the contract duration. Only the Contractor's own employees, Contractor's local labour and Departmental Representatives will be allowed on site.
- 18.4. The Contractor is responsible in the administration, control and security on the site at all times during the contract duration.

19. WATER AND POWER

19.1. The Contractor shall make the necessary arrangements for the provision of any water and power. No payment will be made for the provision or use of these services and the cost of these shall be included in the Bid/quoted amount.

20. LOCATION OF CAMP

- 20.1. The Contractor's camp may be erected at **Mbojane area** Combines compound, but only after arrangements have been formalized with the Farm Manager.
- 20.2. No persons other than a night watchman may sleep in the camp, without the approval of the Farm Manager

21. HOUSING OF CONTRACTOR'S EMPLOYEES

- 21.1. The Contractor shall make his own arrangement for housing, payment and feeding his employees and transporting them to and from the site. However, it may be possible to arrange temporary local accommodation for the Contractor's staff with Farm Manager.
- 21.2. The Contractor is in all respects responsible for the housing and transporting of his employees, and for the arrangement thereof, and no extension of time due to any delays resulting from this, will be granted.

22. LABOUR SOURCE & CAPACITY

- 22.1. The Contractor will be required to satisfy the Department that a sufficient and experienced labor force is employed or that sufficient experienced labour can be acquired to complete the services and produce an acceptable quality of workmanship.
- 22.2. The contractor is encouraged to source unskilled labour from the area around Umthonjaneni Local Municipality Combine. The Contractor and the Departmental representative (Engineer or local Agricultural adviser) may negotiate with the participants in this regard to establish all the conditions for the utilization of the local labour.
- 22.3. The Contractor will be responsible for all hiring, payment, housing and transport of all labour used for the duration of the contract.

23. SECURITY & RISK

- 23.1. No one shall be allowed on the construction site after normal working hours except for the necessary security personnel.
- 23.2. The Contractor shall also be responsible for safeguarding all plants, machinery, equipment and materials on site. The Engineer shall not be responsible for any lost, damaged or stolen property or materials. Should any of these situations arise, no allocations will be made in terms of finances

24. MATERIALS: DELIVERY, ON & OFF-LOADING, STORAGE & RESPONSIBILITY

- 24.1. The Contractor shall be responsible for the safe delivery, loading, off-loading, handling and storage of any equipment and materials on site.
- 24.2. All equipment, materials and plant stored on site must be suitably protected against damage or loss by theft or otherwise.
- 24.3. The Contractor shall remain fully responsible for all material and plant etc. until the completed works are handed over and have been officially accepted by the Department.

25. EXISTING ROADS, MUNICIPAL PAVEMENTS, ETC.

25.1. The Contractor is advised that he will be held responsible for any damage to the existing paving, roads, municipal pavements, fences, boundary walls, etc., and will have to repair such damage at his expense.

26. DAMAGE TO PROPERTY

26.1. If the Contractor or his/her employees, while engaged in the execution of the contract, shall break, deface, injure, destroy or allow to fall into disrepair any part of the Works or property belonging to the Department, or any private property including: buildings, paving, roads, fences, walls or grounds contiguous to the premises of the Department on which he or they may be employed, the Contractor will be required to repair, in a perfect and workmanlike manner, at own expense all damage to the approval of the Department. The Completion Certificate will not be issued until the Department is satisfied that all necessary remedial work has been satisfactorily completed

26.2. The Contractor shall take every precaution against damage or nuisance being caused by dust , both to the properties of the Employer and all surrounding properties and shall indemnify the Employer against any claim that might arise there from.

27. UNDERGROUND CABLES AND PIPES

- 27.1. If such services are discovered, immediate notification must be made to the Employer and all work in the vicinity of such cables, pipes, etc., shall cease until safe to proceed.
- 27.2. Should the Contractor damage underground cable or pipes, such damage shall be repaired as soon and safely as possible by the Contractor.
- 27.3. The cost of making good such damage will be met by the Contractor as this must be covered by

28. DAILY RAINFALL RECORDS

28.1. Submission of rainfall figures is required for the granting of permission of extending the contract period on the basis of inclement weather. If none are kept, the Engineer is under no obligation to grant extension of the completion period for inclement weather.

29. INSPECTION OF WORK

- 29.1. The Departmental representative may at all reasonable times have access to the site where work is being executed for inspection purposes.
- 29.2. The Engineer may request that evidence of the quality or strength of any materials be supplied by the contractor wherever necessary.

30. NOTICE OF COVERING WORK

- 30.1. The Contractor shall give due notice to the engineer whenever any work or materials are intended to be covered in with earth or otherwise in order that their correct dimensions and quality may be ascertained before being covered.
- 30.2. If any such work or materials are covered without such notice having been given, the work or materials shall be uncovered at the Contractor's expense on instructions given by the Engineer.

31. SUB-CONTRACTED WORK

- 31.1. The contractor shall not sub-contract the entire contract
- 31.2 Sub- contracting shall not relieve the contractor from any liability or obligation under the contract and his/her shall be liable for the acts, defaults and neglects of any sub-contractor, his/her agent or employees as fully as if they were the acts, defaults or neglects of the contractor, his agents

32. INSURANCE

- 32.1. All accepted approved contractors would be required to provide the following insurances for the project awarded to them:
 - 32.1.1. Insurance against damage, destruction or loss to 50% of the value of the contract.
 - 32.1.2. Public Liability insurance.
 - 32.1.3. All risks (works) policy and Political.

33. PROTECTION OF THE PUBLIC

33.1. The Contractor shall be responsible for the protection of the public in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993). The Contractor shall pay particular attention to watching and warning lighting and must provide any necessary barriers, etc., required for the protection of the public in terms of the Act.

KCDM - CONSTRUCTION OF CAUSEWAY Phase 2 AT MGOJANA PROJECT IN UMTHONJANENI LOCAL OFFICE -JULY 2020

34. INJURY TO PERSONS

34.1. The Contractor shall be liable for and shall indemnify the department in respect of any liability, loss, claim or proceedings whatsoever, whether arising in Common Law or by Statute in respect of personal injuries to or death of any person whomsoever arising out of or in the course of or caused by the execution of the Works.

35. DISAGREEMENTS

- 35.1. Notice of disagreement. The Contractor has the right by written notice to the Engineer to require him to consider any disagreement which he raises with the Engineer provided the said written notice shall be given within 14 days after the cause of disagreement has arisen.
- 35.2. Ruling on disagreements. The Engineer shall give a ruling on the disagreement in writing to the Contractor no later than 14 days after his receipt of a written request from the Contractor requiring him to do so. The Engineer shall provide such a ruling with as little delay as possible. During the response time the Contractor shall not alter the status of the works under contention.

36. FIXED PRICE CONTRACT

36.1. The contract shall not be subject to contract price adjustment.

37. PRICING - COMPLETENESS OF BID

- 37.1. Service providers are required to submit quotes for all services, works and materials as specified in the pricing schedule. This includes those additional items that are not listed in the original pricing schedule but may be pointed out as required at the bid briefing. If he/she does not bid on all items, his/her bid will be rejected.
- 37.2. All quoted prices for separate items are to be in South African currency and must exclude VAT.
- 37.3. All items as described in the project specification are to be priced in full.
- 37.4. Transport/Delivery costs must be included in the pricing if the Pricing Schedule does not list them separately.
- 37.5. VAT must be filled in as the Sub total followed by the complete price for the entire project.
- 37.6. The quote page must be signed by a person legally authorized to do so.

38. QUANTITIES OF WORK

38.1. The Contractor shall receive payment only for the works actually executed and approved by the Engineer.

39. PROGRESS PAYMENTS

- 39.1. Payment shall only be made for claims that are commensurate with the works actually executed and complete.
- 39.2. Payment will only be made against the construction progress as pertaining to built /installed items. Movable items and materials on site are generally excluded from progress payments until they have been fully installed or fitted or built up.
- 39.3. If any item or part of an item in an invoice is disputed by the Engineer, the Engineer shall give notice of such with reasons.
- 39.4. The Engineer may elect to use a payment schedule that apportions a weighting for the various work phases, in those cases where the actual pricing schedule is not available or lacks balance.

- 39.5. The contractor shall be paid in up to a maximum of five (5) part payments. The Contractor is strongly advised to request five payments when being notified by SCM of him/her being awarded the contract.
- 39.6. Part payments will be made after the Engineer has approved the work and will be made in accordance with the Retention clause (41).
- 39.7. The penultimate payment occurs after <u>practical works completion</u>. The final payment will be made after expiry of the 6 months guarantee/liability period.

40. COMPLETION OF THE WORKS

40.1. Work completion will be established over three stages, in line with the JBCC.

40.1.1. Practical completion

This is defined as the stage when the works are found to be substantially complete and can be used for the purposes intended. This assessment will be solely made by the Engineer. When the Contractor thinks he has completed the works, an inspection will be made by the Engineer who will draw up a list of patent defects, commonly known as a "snag list", if any. *Patent defects* are defects that are visible or discoverable upon an ordinary and proper inspection.

57.1.2. Works completion

This stage will be reached after the Contractor has, to the sole assessment of the Engineer, fixed all defects listed on the snag list. It is at works completion that the Contractor will be paid out 50% of his/her retention money. Alternatively if the report is made during practical completion stage and no defects were found or listed then 3 months later Final Completion to made on site with close out report and certificates where all retention outstanding are paid off.

57.1.3. Final completion

Final Completion occurs 3 months after Works completion, after expiry of the liability period.

41. RETENTION

- 41.1. A 10% retention will be withheld on payment for duration of the construction.
- 41.2. The Department will pay out half of this retention, or 5% of the bid value as part of the second last payment at **practical completion** of the works. The remainder, *viz* 5%, will be paid out at **final completion** after expiry of the defect liability period 3 months after practical completion), the service provider having eliminated all defects.
- 41.3. In some instances, the Engineer may decide to shorten this period order to allow all payments to be completed within the financial year. However, this is **not** a given and the Contractor will be notified during the course of the construction if such would be the case.

42. DEFECT LIABILITY PERIOD

- 42.1. The defect liability period is 3 calendar months calculated from the date of Practical Completion.
- 42.2. The contractor shall unconditionally guarantee all materials, workmanship related to the works for that period. The guarantee shall cover any defects due to inferior materials and/or workmanship of the Contractor, or any of his sub-contractors, fair wear and tear excepted. The Contractor shall repair, remedy or replace any such defects, part or complete works without delay and at his own cost.

43. CONTINGENCIES

43.1. An amount of 10% of the subtotal for all materials, equipment and services has been set aside for Contingencies. This allowance will only be accessed for unforeseen additional expenditure not covered in the contract and must be approved by the Engineer before the expenditure is incurred. Such approval must be in line with SCM Delegations. With first 5% payable on the last claim or invoice. The other 5% will then fall on item 41.2 under Retention heading (defects).

44. PERIOD OF COMPLETION & RATE OF PROGRESS

- 44.1. The project has to reach practical completion within six (6) months of award of the contract (180 calendar days).
- 44.2. If the Works are delayed by any cause beyond the Contractor's control, the Contractor shall have the right within twenty-one days of any such cause of delay arising, to apply in writing to the Department to extend the date of completion, stating the cause of delay and period of extension applied for.
- 44.3. The Department upon receipt of such written application may by order in writing extend such date of completion by a period to be determined, or may refuse to extend such date of completion, or may postpone giving a decision upon such application until completion of the Contract period set out in sub-clause (a) of this clause.
- 44.4. The date of completion will be extended only to the extent approved by the Department.
- 44.5. Should the Contractor fail to apply in writing for an extension within the time set out above, or should the Department refuse to grant any extension in writing, then the Contract period provided shall not be exceeded.
- 44.6. When the Works are completed the Department will give a completion certificate and the date of such certificate shall be the date of commencement of the guarantee period.

45. PENALTY CLAUSE / FINES FOR LATE OR NON-COMPLETION

- 45.1. If the contractor does not complete the work within the time stipulated and no extenuating circumstances can be given for the delay, the Department may impose a fine as detailed below. The total will be subtracted from the retention allowance.
- 45.2. If the contractor fails to complete the works and the Department is forced to employ another contractor to complete the works, the defaulting contractor will be held liable for the costs as far they exceed the original total Bid value.
- 45.3. The department will deduct a penalty for late completion of up to **0.05% of the contract value per working day delay.** This will be deducted from the retention.

STANDARD TECHNICAL SPECIFICATIONS C

1. PRELIMINARIES & GENERAL

The contractor is to note that all insurances (UIF, workmen compensation, works, public liability etc.); site and equipment safety; site establishment and security; services (water and electricity); testing of materials and any specialist services are for the contractor's responsibility and attention throughout the contract duration until handover of the project. This item also includes Occupational Health & Safety Act requirements. The Department reserves the right to stop progress of the works in case of noncompliance until these conditions are complied with.

2. APPLICABLE STANDARDS: SPECIFICATIONS & MATERIALS

- For the purpose of this Contract the relevant SANS specifications shall apply- specifically SABS 2.1. 1200: Standardized Specification for Civil Engineering Construction specifications shall apply. The following sections shall in particular apply here:
 - 2.1.1. SABS 1200 AA 1986 (General Small Works),
 - 2.1.1.1. Materials: SABS 1200 AA (3);
 - 2.1.1.2. Testing: SABS 1200 AA (7);
 - 2.1.2. SABS 1200 DA -1988 (Earthworks Small Works)
 - 2.1.3. SABS 1200GA 1982 (Concrete Small Works).
 - 2.1.3.1. Materials SABS 1200 GA (3)
 - 2.1.3.2. Mixing, pouring and curing of concrete: SABS 1200 GA (5.4)
 - 2.1.3.3. Testing: SABS 1200 GA (7)

3. APPLICABLE STANDARDS: EARTHWORKS AND SITE PREPARATION

- Normal regulations regarding safety, municipal by-laws, contamination of water sources, erosion, siltation etc. will still apply.
 - 3.1.1. SABS 1200 AA 1986 (General Small Works),
 - 3.1.1.1. Site preparations & establishment: SABS 1200 AA (4).
 - 3.1.1.2. Setting out of works: SABS 1200 AA (5.1.1)

3.2 APPLICABLE STANDARDS: STANDARD (ABRIDGED) PREAMBLE FOR ALL TRADES SPECIFICATIONS FOR CONTOUR BANK SURVEY AND CONSTRUCTION

3.2.1 Gradients of contours

Contours must be surveyed at a gradient not steeper than 1:100 and not flatter than 1:200. An ideal gradient would be 1:150. This would require a 20cm rise or fall every 30m depending on direction of contour.

Pegs should not be further than 30m apart along the contour. If the ground surface is uneven, pegs can be as close as 10m apart.

Extra fall is permitted where the contour discharges into a waterway.

3.2.2 Spacing of contours

Contours should be spaced using a vertical interval rather than a horizontal spacing. The vertical spacing takes into consideration the slope of the land and the erodibility of the soil. The formula for vertical interval is (S/2 + Y)0.3 where S = slope in percent, Y = soil factor (erodible soil - 1, medium erodible soil - 2,5, erosion resistant soil - 4,0.

3.2.3 Length of contours

Contours should not exceed 450m in one direction.

3.2.4 Shape of contours

Preferably, a broad based shape should be attained. The flow should be at least on gradient slope of 1-3 % for and 3% on the edges of the contour for more flow of water. See the specification below

3.2.5 General

Basic runoff control principles apply during planning and survey i.e.
Water flows from crest to waterway
Access roads are situated on crests
Waterways are placed in natural depressions
Contours are surveyed starting from the top of the land and ending at the bottom

5. MATERIALS AND CONSTRUCTION

5.1. All materials must be newly purchased and conform to SABS specifications for the products. This includes all items such as bricks, blocks, brick reinforcement, damp proofing, lintels, glazing, plumbing and drainage, curtains, etc... All construction works must conform to the applicable standard specifications and installation requirements as per NBR requirements and manufacturers recommendations. All concrete works to conform to CNCI standards and recommendations

D | PROJECT TECHNICAL SPECIFICATIONS FOR MGOJANA GABIONS PROJECT

1. The detailed scope of works is as follows

SPECIFICATIONS FOR GABIONS AND MATRASSES

Specifications and Technical Information on Gabions and Matrasses

GABIONS

Material Delivery

Gabions are manufactured with all components mechanically connected at the production facility. All gabions are supplied in the collapsed form, either folded and bundled or rolled. The bundles are compressed and strapped together at the factory for easy shipping and handling. Lacing wire is shipped in coils. Fasteners are shipped in boxes. Preformed stiffeners are shipped in bundles.

Assembly

The folded units shall be taken out from the bundle and placed on a hard flat surface. Gabions shall be opened, unfolded and pressed out to their original shape. Front, back, and end panels shall be lifted to a vertical position to form an open box shape. Panels shall be fastened together with the projecting heavier gauge selvedge wine by firmly wrapping the selvedge wire around the selvedge or edge wire of the intersecting panel or back panel, inner disphragm panels shall be lifted into a vertical position and secured in the same manner. All edges of the diaphragms and end panels shall be tied or fastened to the front and back of the gabion.

Fastening Procedure

When using tie wire, cut off a piece of wire approximately 1.5 times the length of the edge to be tied. The maximum length of the edge to be tied at one time shall not exceed 1 m. Longer edges shall be joined by several lengths of wire. The wires shall be secured around the selvedge wire or heavier edge wire, where present by looping and twisting the lacing wire around itself. Proceed lying with alternate double and single loops. Double loops shall be made at intervals not greater than 150 mm. The basket pieces should be pulled tightly together during the lying operation. The other end of the tie wire shall be secured by again looping and twisting the wire around itself. When using tie wire to assemble the units, piers may be used to create tight joints. Care should be taken to avoid damaging the wire coating. When steel ring fasteners are used, the use of either a mechanical or a pneumatic fastening tool is required. Rings shall be installed at the top and the bottom connections of the end and centre diaphragms and them a maximum spacing of 200 mm along all edges shall be used.

Foundation preparation

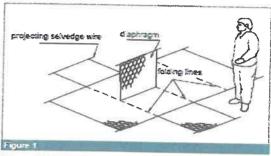
The foundation on which the gabions are to be placed shall be level, and graded to the elevations as shown on the project construction drawings. The foundation for gabions shall be level, smooth, and free of surface irregularities, toose material, and vegetation in accordance with the project specifications. Appropriate measures shall be taken for fixering and drainage of the foundation, as per the project specifications (filter cloth, drain works, etc.). Geotextites required to be installed behind or underneath gabion structures shall comply with the requirements for subsurface drainage applications.

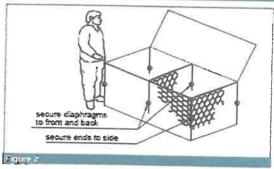
Installation and Filling

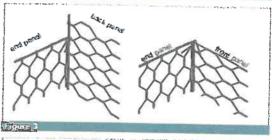
After the foundation has been prepared, the pre-assembled gabions are placed in position empty, and shall be tied or fastened to adjacent gabions along all containing edges in order to form a continuously connected, monolithic structural unit. Gabions shall be placed front to front and back to back in order to expedite the stone filling and lid lacing operations.

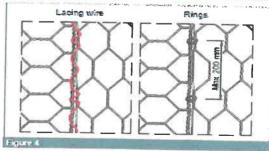
expedite the stone ming and its source update.

Rocks for gabions may be produced by any suitable quarrying method, and by the use of any device that yields the required sizes within the gradation limits chosen. Rocks shall be hard,









angular to round, durable and of such quality that they shall not disintegrate on exposure to water or weathering during the life of the structure.

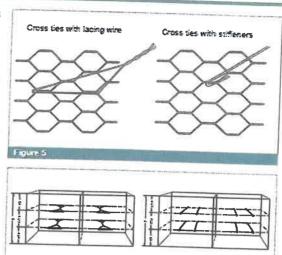
Gabion rocks shall range between 100 mm and 200 mm. The range in sizes may allow for a variation of 5% oversize and/or 5% undersize rock, provided it is not placed on the gabion exposed surface, in all cases, the oversize rock shall not be larger than 250 mm, and the undersize rock shall not be smaller than 5 mm.

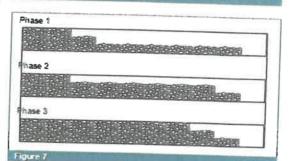
smaller than to mm.

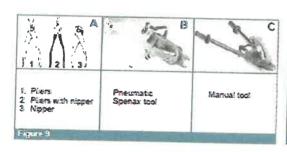
Rock shall be placed in 300 mm lifts for 1 m high gabions, and 250 mm for 0.5 m high gabions. The fill layer shall never be more than 300 mm higher than any adjoining cell. Care shall be taken when placing the stone to ensure that the PVC coating on gabions is not damaged. After a layer of rock has been placed in the cell, sufficient hand manipulation of the rock shall be performed to minimize voids and achieve a maximum density of the rock in the gabion. The rock in exposed vertical faces shall be hand placed to reduce voids in the outer face. Stiffeners or internal cross ties shall be instalted connecting the front and back faces of any supported or exposed face at the vertical third points for a gabion 1 m high, as the cell is being filled. Gabion units installed at the wall ends, having two exposed sides, shall also include a set of cross ties installed perpendicularly to the lateral exposed face. For 0.50 m high baskets when used as revetiment, stiffeners or internal cross ties are not required. When more than one vertical layer of gabions is installed, units shall be overfilled to approximately 25 to 40 mm to allow for natural settlement. The top surface shall be smoothly levelled, minimizing voids. Ensure that diaphragm tops are accessible for connecting.

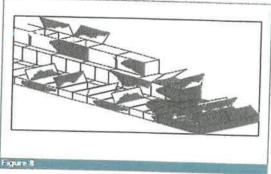
Closing

After the rock has been levelled and the voids minimized, fold the lid down and pull edges of the panels together, it should require a light stretching using an appropriate closing tool or lid closer in order to bring the two gabion pieces together. Care shall be taken that the mesh is not deformed or the coating on the wire damaged. The projecting selvedge wire of the lid shall be wrapped two complete turns around the selvedge wire or edge wire on the sides. The lid shall be tightly tied along all edges, ends and tops of diaphragms. Adjacent lids may be tied or attached simultaneously. All projecting sharp ends of wire shall be turned in on the completed gabion structure.









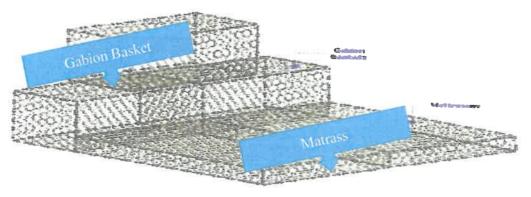


Diagram A

Gabion Assembly

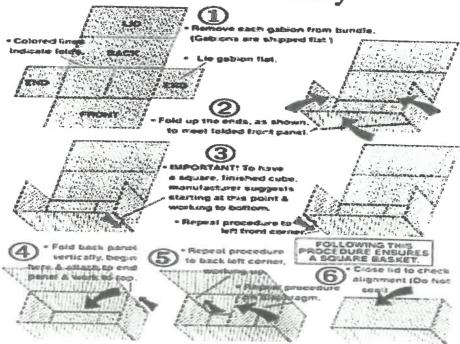
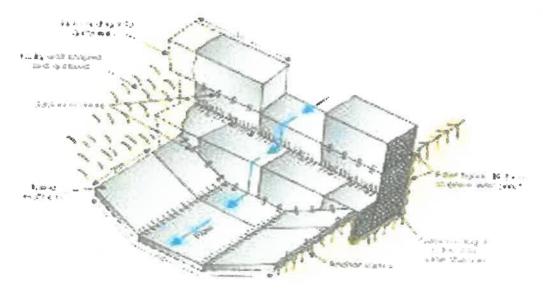
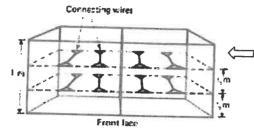
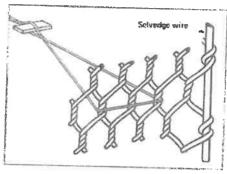


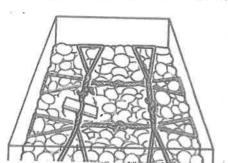
Diagram B



Filling -continued







Fill the gabions by hand or by machine, making sure that the stone is tightly packed and has a minimum of voids. When possible, leave the last gabion empty, as it is easier to join the next one to it.

Fill all the outside compartments of 1 m high gabions only one-third full to begin with."

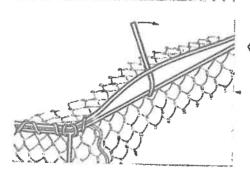
Then fix horizontal bracing wires in the gabions directly above the level of the stone in those compartments and 'Spanish' windlass the bracing wires to keep the face even and free from bulging.

Next fill to two-thirds, and repeat the bracing. Finally fill to the top.

*SQQ nun gabions are filled in 2 'lifts' with bracing at half full. No bracing is necessary with 330 mm gabions.

Level off the fill 25mm to 50mm (1 in to 2 in) above the top of the mesh to allow for settlement. Small material is best for this.

In aprons downstream of weirs and similar places where water falls directly on to the gabions, fit vertical bracing wires between the top and bottom mesh. & show additional bracing used at the end of a structure.)



Securing lids

Stretch the lids tightly over the filling and wire them down. The corners should be temporarily secured first, to ensure that there is enough mesh to cover the whole area.

Some filling may have to be removed from the top of the gabion to prevent the lid from being over-stretched.

TIGHTNESS OF THE MESH AND WIRING IS ESSENTIAL AT ALL TIMES

GABION WALLS AND THEIR USE

BARAN TOPRAK, OZER SEVIM, ILKER KALKAN

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Abstract— Retaining structures are often used to avoid damage to the structures under loads of natural ground slope. Gabion type retaining structures constitute one of the most economical and efficient solutions for stabilization of natural ground slope. Gabion walls are also preferred for the efficiency of the drainage instead of gravity walls. The present paper is a summary of definition, types, areas of use and advantages of gabion elements.

Keywords— Retaining structures, Gabion Walls, Raw Material, Natural Ground Slope.

I. INTRODUCTION

The design of the retaining walls which focuses on keeping ground level at two different levels, is one of the main research topics of Geotechnical Engineering. Gabion wall have been used widely in the world and more then a century in numerous erosion control projects, soil reclamation work, stream channels construction and retaining structures (Giani, 1992 and Kandaris, 1999). Gabion walls can be designed as rigid, semi-rigid and flexible depending on construction area, groundwater status, cost and purpose of use.

II. MATERIALS AND PROCEDURES

Gabion is a word of Italian origin as the word means big cage. Soft interlocking mesh of hexagonal form filled by rock and stone create gabion retaining structures. Gabion walls can also be formed in rectangular, square and cylindrical shapes. ASTM A975 is used for shaping gabion retaining structures. The general properties of gabion wire mesh are given in Table 1 (Uray and Tan. 2015).

Table 1: Gabion Wire Mesh General Properties

Raw Material Gabion Wite Mesh General			Properties
Technical Properties	Unit	Descriptions	Tolerance
Mesh	mm	50x70, 60x80, 80x100, 100x120	
Wire Thickness (Max)	mms	2-5 mm	0.05
Amount of Covering Tensile Strength	gr.m N.mm	30-300 350-2000	5
		Partit China	_

2.1. Types of Gabions

The type of the gabion to be used in the field, determine the requirements of the process in the construction field. To determine the correct type of gabion is important in terms of cost and function. Gabion types commonly used today are gabion baskets, gabion mattresses, gabion sacks and gabion wire mesh.

2.1.1. Gabion Baskets

Net wire mesh produced usually in box-shaped and in different sizes. Gabion baskets are frequently used in highway and railway works. Especially, providing the filling material from a quarry close to worksite is an economical alternative. Figure 1 shows an example of a gabion basket.



Fig.1. An example of a basket gabion

Gabion basket reach a natural green appearance as the plantation between the rocks spread along the basket. Figure 2 show an example of a green gabion basket.



Fig.2. An example of a green gabion basket.

2.1.2. Gabion Mattresses

Gabion Mattresses are generally used in the channel coating for preventing erosion. Gabion height is shorter than the other types of measurements. Figure 3 shows channel coating for preventing crossion with gabion mattresses.

1. Technical specifications for Culverts and Concrete Pipes

The actual specification are contained in the Bill of Quantities/Pricing schedule and Drawings. The Gabion structure to be constructed according to engineers instructions and as per attached Annexure BB.

Technical information on Causeways and Culverts

Defination and difference between bridge and culvert crossing

Bridge	Culvert
The cross drainage structure which is constructed for carrying road or railway across a natural drainage or compression is called bridge.	The Bridge having total span up to 6 m is called culvert.
All bridges are not culverts.	All culverts are bridges.
It is constructed where a drain or depression of any width crosses the roadway or railway.	It is constructed where a small drain or depression crosses the roadway or railway.
It may consist of elaborate super structure.	It consists of minor structure.
stressed concrete.	Culverts are generally made of brick or stone masonry, plain or reinforced concrete, Hume pipe.

BASIC TERMS RELATED TO BRIDGE

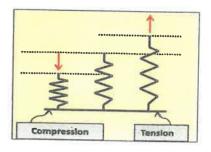
<u>Span</u> - the distance between two bridge supports, whether they are columns, towers .



Force - any action that tends to maintain or alter the position of a structure

<u>Compression</u> - a force which acts to compress or shorten the thing it is acting on.

<u>Tension</u> - a force which acts to expand or lengthen the thing it is acting on.



Design Loads

- Design loads include:
 - Dead loads
 - · Self-weight,
 - · "Permanent" contents.
 - Live loads
 - · Occupants,
 - · Transient contents
 - Environmental loads
 - Wind, snow, earthquake, etc.

A Sample Code Comparisons

Footing design Dimensions

AASHTO Code (5×6)m, thickness = 1.5m

Chinese Code (5×6) m, thickness = 1.5 m

Number of piles

4-bored piles with Dia. = 1m, with depth = 62.7m

4-bored piles with Dia. =1m, with

depth = 62.7m

25 bars #9 (2.8cm) in the bottom mats

Number of bars = 29 bars (2.8cm) in each direction in the bottom mats

Pile cap design

21 bars #9 (2.8cm) in the top

mais

Number of bars = 25 bars (2.8cm) in each direction in the top mats

16 bars #8 (2.5cm) in the bottom

Number of bars = 20 bars (2.5cm) in

Pile design

24 bars #8 (2.5cm) in the top

Number of bars ≈ 29 bars (2.8cm) in

each direction in the top

each direction in the bottom

Outgoes Successive Entry with the ware treat and Analysis to the for for the borner and Country Country Country and by Using Plant 20 Aronand forms Coments Probation Propert Annual Country Country

Dr. Naveed Anwar

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Name of code	Pile cap design	
AASHTO code	25 bars #9 (2.8 cm) in the bottom mats for each direction	21 bars #9 (2.8 cm) in the top mats for each direction
BS Code	28 bars #9 (2.8 m) in the bottom mats for each direction	28 bars #9 (2.8 cm) in the top mats for each direction
The (CNS, 2002) code	29 bars (2.8 cm) in each direction in the bottom mats	22 bars (2.8 cm) in each direction in the top mats
TB 10002.5- 2005, Chinese code.	47 bars (2.8 cm) in each direction in the bottom mats	22 bars (2.8 cm) in each direction in the top mats

Building and structural Codes

Concrete and Box Culvert understanding

3.2.2 CONCRETE BOX CULVERY

Historical Ownerdown

An early mention of box culverts of contained in the 1990-01 Geological Survey Report. The author reported than latter a number of attentits the contactor abandoned the construction of a box culvert at this point and substituted 304noth pipe? (Roid 1902, 133). This statement dustrates that box outverts were known to completions in Maryland during the final few years of the beentieth pentury.

When the State Reads Commission issued the first Standard Plans for madway structures in 1912, they included designs for both tion surjects," and "box bridges." The plans contained four designs for "steed-commiss" perforted contained converts and one design for a "box bridge." The converts ranged from 18 inches in 18 inches to 8 feet in 8 feet and specified plans concrete on the sides and bottom of the box and reinforced concrete on the top. The box bridge design was for spans from 19 feet to 16 feet and included reinforced concrete on all four sides of the box.

These designs may have commuted in use until the State Roads Commission issued revised but duliver dangers in 1931. The age of the cultival dangers in 1931 ranged from a 2-feet in 2-feet best to a 6-feet in 6-feet to a 3-feet in making for regist ages of box curverts and each size curvert had a separate design for no-fit, 5-feet maximum fit and 10-feet maximum fit. The no-fit designs had a parapet rail with an incised rectangular danger.

The State Roads Commission Reports between 1935 and 1945 contain numerous references to the constructor of box culverts on state roadways. For example, from 1938 to 1940, 31 box culverts were built. Over the road two year period, 32 box curvests were constructed (Maryland State Roads Commission 1940, 54 and 1943, 47). The reports in the immediate post-Moord War II period commission to reference the construction of box culverts. Remistrated concrete box suffer construction is still used loday.

Description

A box colvert is generally a four-sided dramage structure with a square or rectangular opening (Figures 3.6 and 3.7). A box current can carry the readway on top of the box or the structure can be built well below the reactions with earth fill between the structure and the road. As a small structure is box current can have one or more openings (boxes). Some or all sides of the structure may be reinforced.

Some examples of concrete based authors in Maryans are:

BCM55 Rehaders Assess over Chronical Run Batterine City

1935

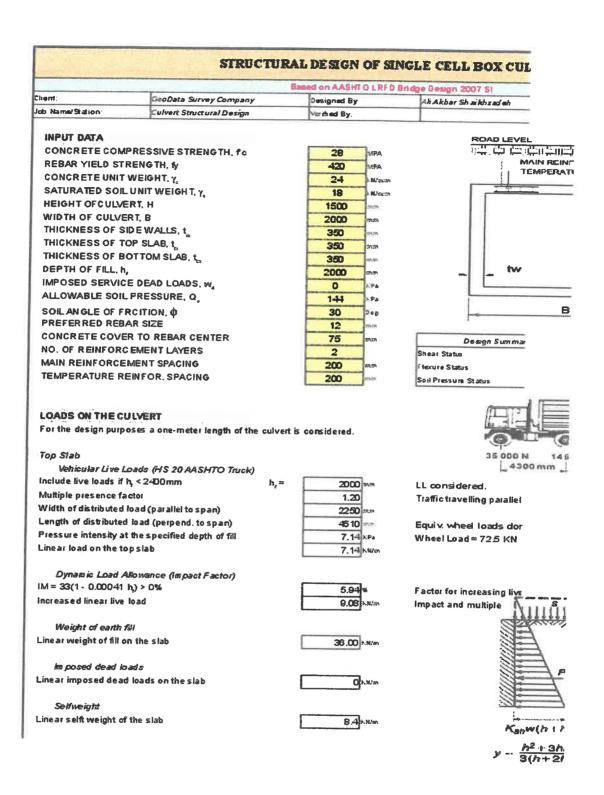
19-feet king box collect with two box operance. Indeed parapet har weapants and 36-feet wide madway.

C7C44XO US 40 over Branch of hights East Fover Capi County

1939

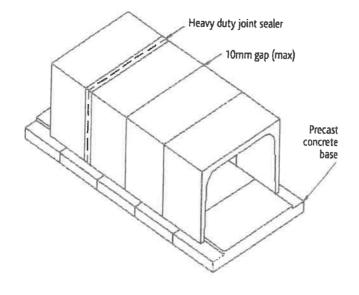
12-feet by 9-feet commete box with 5 feet of fits between top of box and roadway Modern metal quarters' or notice was reads.

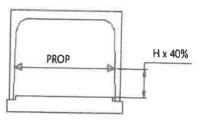
e 120



Placing Culvert Pipes on The Bottom SLab

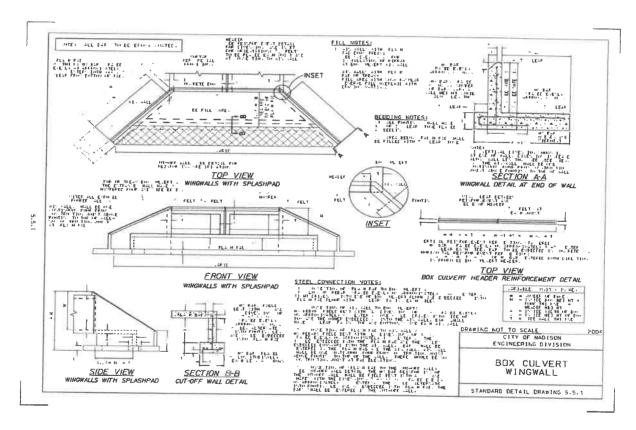
in precast base configuration

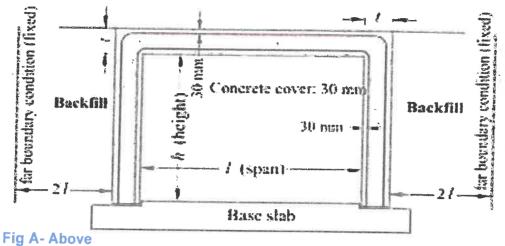




Temporary prop arra

Note: For H>1.5m, provide ho at 40% height above base dur and compaction. One prop pe concrete unit.





Typical example of Mgojana Causeway Fig A & B

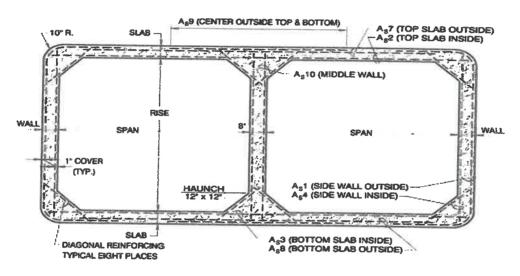


Fig B Above

E | PRICING SCHEDULE WITH SPECIFICATIONS/BILL OF QUANTITIES FOR MGOJANA/YANGUYE PROJECT- PHASE2

Annexure 8- A 5200,00	Schedule of Quantities for Crossing SECTION 5200				
	SECTION 5200		-		
5200,00	1	Unit	Quantity	Rate	Amount
	Establishment on the site (Insurances, Water, electricity, Rantals, Clearing	Sum	1		
	accomodation, security etc)	1	1		
52.a	Gabions on Causeway Structure			-	
52.b	Foundation trench excavation and backfilling:	Sum	1		
52.c	Gabions baskets and matrasses:	m³	28		
52.d	Matrasses @ Casueway	m²	8		
20.0	Filter fabric -To supply and deliver	111	1 0		
52.e	Bidim U34 or similar	sum	1	10	
52.f	Excavate and prepare area for placing Matrasses/Gabions	m ³	36		
i2.g	Collect, Load, deliver stones to site	m³	36		
2.h	Construct and Connect all matrasses and baskets as per design	m³	36		
	Subtotals for A Gabions =				
8	FOUNDATIONS FOR STRUCTURES - Causeway only				
1,00	SECTION 6100				
	FOUNDATIONS FOR STRUCTURES -Causeway only				
	Excavation:			1	
1.00	(a) Excavating soft material situated within the following successive depth	m³	210		
	ranges:		220		
1.01	0 m up to 2 m	m³	20		
1.02	Exceeding 2 m and up to 4 m	m³	210		
1.03	Material from the excavation	m³	80		
.04	Imported material	m³	30		
.05	Soil cement Soil cement	m²	20		
.06	Overbreak in excavation in hard material				
.07	Foundation fill consisting of:	m³	22		
	Establishment on the site for the drilling of holes	L/Sum	1		
82	B2 STEEL/BARS & REINFORCMENT -Causeway only				
.8	Percussion drilling	No	38		
	Moving and setting up the equipment at each hole to be drilled				
9	Drilling of holes				
	Percussion drilling	L/Sum	L/Sum		
	30mm dowels for all culvert pipes 6(6m) 1,2 Per Culvert	L/Sum	L/Sum		
	25mm diameter - and 10mm Bars for Reinforcement b/n all bars				
	Dowel bars	Sum	1		
.10	High tensile bars (30mm)				
	1) Connecting all bars and setting out on site as desing	Sum	1		
	(2) 25mm diameter bars 0,8 length on rock, grouted with Epidermix 395	Sum	1		
	Subtotals for B +82-Causeway =				

C	FORMWORK FOR STRUCTURES	Phase 2		Page 2
62,00	FORMWORK FOR STRUCTURES			
	DESCRIPTION			
62,01	SECTION 6200			
	FALSEWORK, FORMWORK AND CONCRETE FINISH (Hire and use on site)			
	a) Vertical formwork to provide class F1 finish to:	Sum	1	
	(1) Abutment and pier footings			
62,02	(b) Abutment walls	Cum		
	1) Vertical/Horizontal formwork to provide class F2 finish to:	Sum	1	
	Subtotals for C-Causeway			
D	Reinforcing bars			
63,00	MORE REINFORCEMENT/MESH/REF 193 AND CONCRETE FINISH			
22 00				
53,00	SECTION 6300			
	STEEL REINFORCEMENT FOR STRUCTURES			
	Steel reinforcement for: Refer to Design			
3,01	(a) Pier footings	Sum	1	
,	(b) High yield stress steel bars, hot rolled, deformed	Sum	1	
	(c Top slab and Bottom Slab			
	(1) Mesh wire (5x3,8m)x2	m²	50	
	Subtotals for D =			
- 64	CONCRETE FOR STRUCTURES			
4,00	SECTION 6400			
	CONCRETE FOR STRUCTURES			
	Cast in situ concrete:			
1,01	(a) 30 MPa in: (1) footings	m³	4,3	
	a2)Top slab, Extra Slabs and Bottom Slabs (5x4,8m)	m³	24	
	Subtotals for E =			
- 81	CONCRETE PIPES/CULVERTS FOR STRUCTURES			
	CONCRETE PIPES/CULVERTS FOR STRUCTURES			
,00	SECTION 8100			
	CULVERT PIPE SABS APPROVED			
.01	Supply and deliver to site of Culverts concrete pipes 1,2x1,2m 8ox SABS	no	6	
104	Approved			
.02	Place and align Culverts concrete pipes 1,2x1,2m on site as per Design	Sum	1	

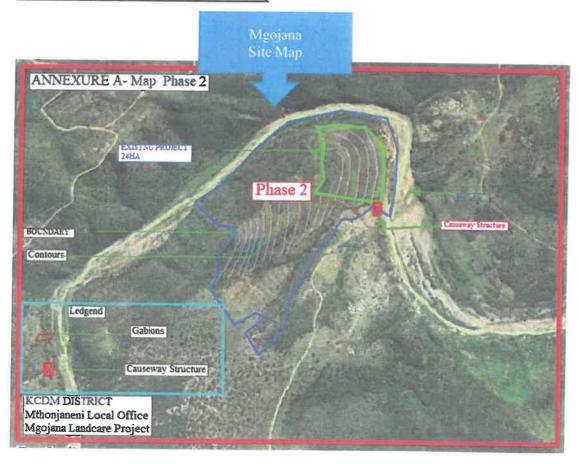
G- 82		Phase 2		Page 3
	CULVERT PIPE			1.000
C1000	SECTION C1000 DAYWORKS			
C1.01	(Refer to Part C of the Project Specifications)			
	Compactors	,		
C1.02	(a) vibratory roller	days	30	
	Concrete Mixers	4		
C1.03	(b) up to 0.6 m ² dry capacity (At least 3 weeks)	days	30	
C1.05	More Plant required			
,1,03	a) TLb to Excavte and Assit in moving pipes and material	days	60	-
C1.06	(b) Exceptor for 5 days	days	40	-
1.07	c) Tractor with Loading Bin	days	30	
1.08	d) Cutters and Welding tools	days	40	
1.09	e) Cutting machine or welding machine to include safety gear	days	20	
1.10	f) Oxy-acetylene cutting torch	days	40	
3.11	g) Welding equipment, generator or alternator	days	60	
	Labourers	days	30	
1.12	(a) Semi-skilled	days	90	
1.13	(b) Unskilled	days	90	
1.14	Construction and Erection Cost of the causeway	Sum	1	
	Sub-Totals (A+B+C+D+E+F+G) Tranpert cost & Labour Costs	for G =		
	Sub-Totals	+		
	10% Contigencies			
	Subtotals =			
	VAT @15% for vat vendors =			

ANNEXURE F MAPS/DRAWINGS

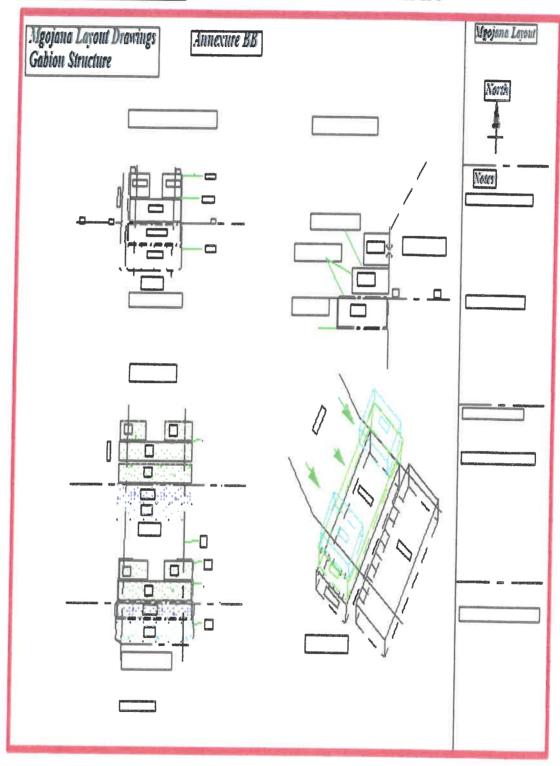
LIST OF DRAWINGS

ITE\M	PAGE NUMBER	DRAWING TITLE
0	<u>29</u>	ANNEXURE G- SITE MAP
1	30	ANNEXURE I/BB- GABION STRUCTURE DRAWING
2	<u>31</u>	ANNEXURE AA CAUSEWAY STRUCTURE DRAWING
3	<u>32</u>	ANNEXURE AA1- CAUSEWAY DETAIL DRAWING

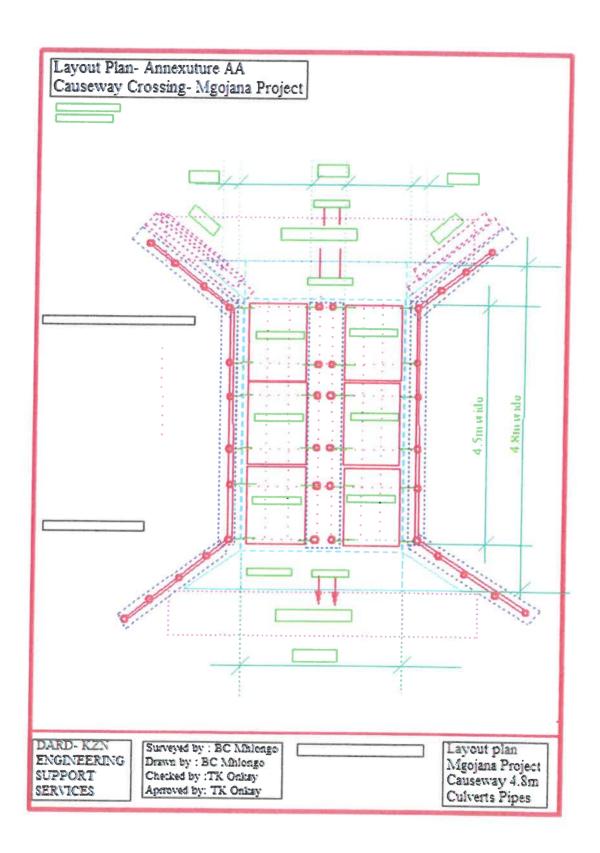
ANNEXURE G (Site/Contours)

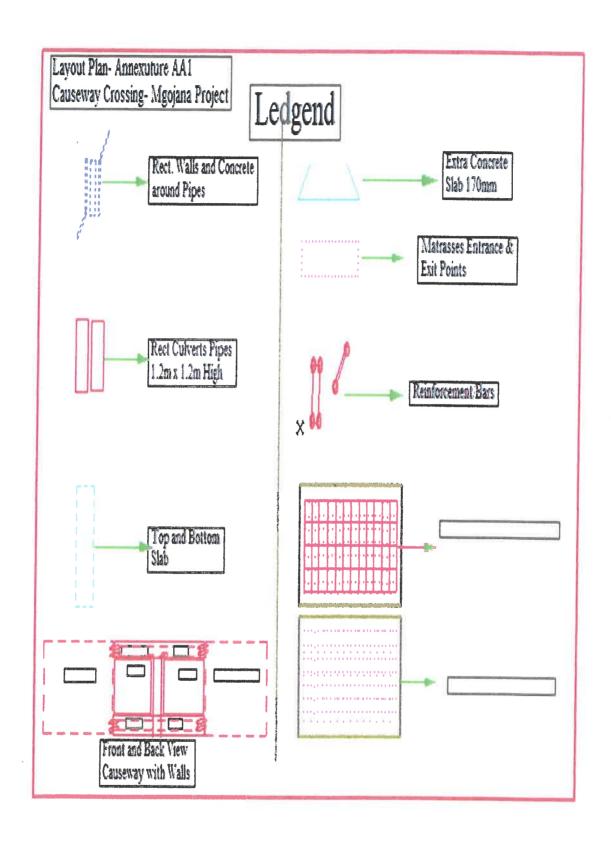


ANNEXURE I/BB-GABION LAYOUT PLAN



 $_{ extsf{Page}}30$





DECLARATION OF INTEREST

- 1. Any legal person, including persons employed by the state¹, or persons having a kinship offers in terms of this invitation to bid (includes an advertised competitive bid, a limited should the resulting bid, or part thereof, be awarded to persons employed by the state, or authorised representative declare his/her position in relation to the evaluating/adjudicating
 - the bidder is employed by the state; and/or
 - the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

	The blue,
2.	In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.
2.1	Full Name of bidder or his or her representative:
	Identity Name
2.2	Identity Number:
	Dockies
2.3	rosition occupied in the Company (director, trustee, shareholder ² , member):
	Dominion
2.4	Registration number of company, enterprise, close corporation, partnership agreement or
	T D
2.5	rax Reference Number:
2.6	VAT Registration Number:
2.6.1	The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / PERSAL numbers must be indicated in paragraph 3 below.

1"	'State" means –
	 (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999); (b) any municipality or municipal entity; (c) provincial legislature; (d) national Assembly or the national Council of provinces; or (e) Parliament.
²"S n	Shareholder" means a person who owns shares in the company and is actively involved in the nanagement of the enterprise or business and exercises control over the enterprise.
Ple	ease clearly indicate, with an 'X' only one box that is applicable to your business or firm
2.7	" you of ally person connected with the same
	criployed by the state?
2.7.	1 If so, furnish the following particulars:
	Name of person / director / trustee / shareholder/member:
	Name of state institution at which you or the person connected to the bidder is employed
	Position occupied in the state institution:
	Any other particulars:
2.7.2	If you are presently employed by the state, did you obtain
	the appropriate authority to undertake remunerative work outside employment in the public sector?
	If yes, did you attach proof of such authority to the bid document?
-2	(Note: Failure to submit proof of such authority, where applicable, may result in the
2.7.2.1	If no, furnish reasons for non-submission of such proof:

2.8	Did you or your spouse, or any of the company's directors /	
	trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months?	YES NO
2.8.1	If so, furnish particulars:	

2.9	Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid?	YES NO
2.9.1	If so, furnish particulars.	
****		***************************************

2.40		
	Are you, or any person connected with the bidder,	
W	ware of any relationship (family, friend, other) between ny other bidder and any person employed by the state ho may be involved with the evaluation and or adjudication f this bid?	YES NO
2.10.1	If so, furnish particulars.	
*********	, and a social s.	***************************************

2.11 Do	you or any of the directors / trustees / shareholders / members	
of :	the company have any interest in any other related companies ether or not they are bidding for this contract?	YES NO
	so, furnish particulars:	

•••••••		

3 Full details of directors / trustees / members / shareholders.

	Identity Number	Personal Income Tax Reference Number	State Employee Number / Persal Number
			Number
DECLARATION			
DECLARATION			
	_		
THE UNDERSIGNED (NAME	Ē)		
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT. CCEPT THAT THE STATE N CLARATION PROVE TO BE	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT. CCEPT THAT THE STATE N CLARATION PROVE TO BE	MATION FURNISH	ED IN PARAGRAPHS 2	and a Anour
THE UNDERSIGNED (NAME ERTIFY THAT THE INFOR CORRECT. CCEPT THAT THE STATE N CLARATION PROVE TO BE	MATION FURNISH	ED IN PARAGRAPHS 2	and 3 ABOVE IS SHOULD THIS

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

1. GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to all bids:
 - the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
 - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2

- a) The value of this bid is estimated to exceed/nct exceed R50 000 000 (all applicable taxes included) and therefore the preference point system shall be
- b) Either the 80/20 or 90/10 preference point system will be applicable to this tender (delete whichever is not applicable for this tender).
- 1.3 Points for this bid shall be awarded for:
 - (a) Price; and
 - (b) B-BBEE Status Level of Contributor.
- 1.4 The maximum points for this bid are allocated as follows:

The state of the s	, WS.
PRICE	POINTS
B-BBEE STATUS LEVEL OF CONTRIBUTOR	
Total points for Price and B-BBEE must not exceed	100

- 1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.
- 1.6 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser

2. **DEFINITIONS**

- (a) "B-BBEE" means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (b) "B-BBEE status level of contributor" means the B-BBEE status of an entity in terms of a code of good practice on black economic empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (c) "bid" means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of goods or services, through price quotations, advertised competitive bidding processes or proposals;
- (d) "Broad-Based Black Economic Empowerment Act" means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (e) "EME" means an Exempted Micro Enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- "functionality" means the ability of a tenderer to provide goods or services in accordance with specifications as set out in the tender documents.
- (g) "prices" includes all applicable taxes less all unconditional discounts;
- (h) "proof of B-BBEE status level of contributor" means:
 - 1) B-BBEE Status level certificate issued by an authorized body or person;
 - 2) A sworn affidavit as prescribed by the B-BBEE Codes of Good Practice;
 - 3) Any other requirement prescribed in terms of the B-BBEE Act;
- "QSE" means a qualifying small business enterprise in terms of a code of good practice on black economic empowerment issued in terms of section 9 (1) of the Broad-Based Black Economic Empowerment Act;
- "rand value" means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

3. POINTS AWARDED FOR PRICE

THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS 3.1

A maximum of 80 or 90 points is allocated for price on the following basis:

$$Ps = 80 \left(1 - \frac{Pt - P\min}{P\min} \right) \qquad \text{or} \qquad Ps = 90 \left(1 - \frac{Pt - P\min}{P\min} \right)$$

Where

Points scored for price of bid under consideration Ps

Price of bid under consideration Pt Pmin = Price of lowest acceptable bid

POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR 4.

In terms of Regulation 6 (2) and 7 (2) of the Preferential Procurement Regulations, 4.1 preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	
3	6	18
4	5	14
5	4	12
6	3	8
7	2	6
8	1	4
Non-compliant		2
contributor	0	0

5. **BID DECLARATION**

Bidders who claim points in respect of B-BBEE Status Level of Contribution must 5.1 complete the following:

6.	B-BBEE STATUS LEVEL O PARAGRAPHS 1.4 AND 4.1	F	CONTRIBUTOR	CLAIMED	IN	TERMS	OF
6.1	B-BREE Status Lovel of Co						

B-BBEE Status Level of Contributor:(maximum of 10 or 20 points) (Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.

7. SUB-CONTRACTING

7.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

The state of the s	
YES	NO

7.1.1 If yes, indicate:

-	What percentage subcontracted	of	the	contract	will	be
m)	The B-BBEE status level of t Whether the sub-contractor i	he sub-co	ntractor		er oomas.	
147	whether the sub-contractor i	s an EME	or OSE		······································	·

iv) Whether the sub-contractor is an EME or QSE

(Tick applicable box)

YES NO

v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations, 2017:

Designated Group: An EME or QSE which is at last 51% owned by:	EME	QSE
Black people	√	J
Black people who are youth		V
Black people who are women		
Slack people with disabilities	130	-
Slack people living in rural or underdeviate at		
Cooperative owned by black people		-

	OR	
Any EME	- OV	
Any EME Any QSE		
, QOL		

8.	DECLARATION WITH REGARD TO COMPANY/FIRM
8.′	Name
0.0	The state of the s
8.2	registration
8.3	Company
	number: registration
8.4	TYPE OF COMPANY/ FIRM
	Partnership/Joint Venture / Consortium One person business/sole propriety Close corporation Company (Pty) Limited [TICK APPLICABLE BOX]
8.5	DESCRIBE PRINCIPAL BUSINESS ACTIVITIES
	the state of the s
	the state of the s
0.0	
8.6	COMPANY CLASSIFICATION
	Manufacturer
	Supplier
	Professional service provider
	Other service providers, e.g. transporter, etc. [TICK APPLICABLE BOX]
8.7	Total number of years the company/firm has been in business:
8.8	I/we, the undersigned, who is / are duly authorised to do so on behalf of the
	The residence of the second se
	company/ firm for the preference(s) shown and I / we acknowledge that:
	i) The information furnished is true and correct;
	ii) The preference points claimed are in accordance in
	ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
	iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary iv) If the P. R.
	iv) If the B-BBEE status level of contributor has been been been been been been been bee

fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have —

- (a) disqualify the person from the bidding process;
- recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
- cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution.

VITNESSES		·
	Sic	GNATURE(S) OF BIDDERS(S)
2	DATE:	
	ADDRESS	

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This Standard Bidding Document (SBD) must form part of all bids invited. It contains general information and serves as a declaration form for local content (local production and local content are used interchangeably).

Before completing this declaration, bidders must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2011, the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 (Edition 1) and the Guidance on the Calculation of Local Content together with the Local Content Declaration Templates [Annex C (Local Content Declaration: Supporting Schedule to Annex C)].

1. General Conditions

- 1.1 Preferential Procurement Regulations, 2011 (Regulation 9) makes provision for the promotion of local production and content.
- 1.2. Regulation 9.(1) prescribes that in the case of designated sectors, where in the award of bids local production and content is of critical importance, such bids must be advertised with the specific bidding condition that only locally produced goods, services or works or locally manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for bids referred to in paragraph 1.2 above, a two stage bidding process may be followed, where the first stage involves a minimum threshold for local production and content and the second stage price and B-BBEE.
- 1.4. A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 1.5. The local content (LC) expressed as a percentage of the bid price must be calculated in accordance with the SABS approved technical specification number SATS 1286: 2011 as follows:

$$LC = [1 - x/y] * 100$$

Where

x is the imported content in Rand

y is the bid bid price in Rand excluding value added tax (VAT)

Prices referred to in the determination of x must be converted to Rand (ZAR) by using the exchange rate published by South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as indicated in paragraph 4.1 below.

The SABS approved technical specification number SATS 1286:2011 is accessible on http://www.thedti.gov.za/industrial development/ip.jsp at no cost.

- 1.6 A bid may be disqualified if -
 - (a) this Declaration Certificate and the Annex C (Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation; and
 - (b) the bidder fails to declare that the Local Content Declaration Templates (Annex C, D and E) have been audited and certified as correct.

2. Definitions

- 2.1. "bid" includes written price quotations, advertised competitive bids or proposals;
- 2.2. "bid price" price offered by the bidder, excluding value added tax (VAT);
- 2.3. "contract" means the agreement that results from the acceptance of a bid by an organ of state;
- 2.4. "designated sector" means a sector, sub-sector or industry that has been designated by the Department of Trade and Industry in line with national development and industrial policies for local production, where only locally produced services, works or goods or locally manufactured goods meet the stipulated minimum threshold for local production and content;
- 2.5. "duly sign" means a Declaration Certificate for Local Content that has been signed by the Chief Financial Officer or other legally responsible person nominated in writing by the Chief Executive, or senior member / person with management responsibility(close corporation, partnership or individual).
- 2.6. "imported content" means that portion of the bid price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or its subcontractors) and which costs are inclusive of the costs abroad (this includes labour or intellectual property costs), plus freight and other direct importation costs, such as landing costs, dock duties, import duty, sales duty or other similar tax or duty at the South African port of entry;
- 2.7. "local content" means that portion of the bld price which is not included in the imported content, provided that local manufacture does take place;
- 2.8. "stipulated minimum threshold" means that portion of local production and content as determined by the Department of Trade and Industry; and
- 2.9. "sub-contract" means the primary contractor's assigning, leasing, making out work to, or employing another person to support such primary contractor in the execution of part of a project in terms of the contract.
- 3. The stipulated minimum threshold(s) for local production and content (refer to Annex A of SATS 1286:2011) for this bid is/are as follows:

	Description of services, works or	goods	Stipulated minimu	um threshold
	Pipes			<u>100</u> %
				%
4.	Does any portion of the services have any imported content? (Tick applicable box)	, works or good	s offered	%
	YES NO			
4.1	If yes, the rate(s) of exchange to prescribed in paragraph 1.5 of the SARB for the specific currency at	12:00 on the da	ate of advertiseme	rate(s) published by
The re	levant rates of exchange information	n is accessible	on www.reserve	bank.co za
Indicate Annex	e the rate(s) of exchange against th A of SATS 1286:2011):	ne appropriate (currency in the tab	le below (refer to
Curren	СУ	Rates of exc	hamas	
US Dolla	ar	Mates Of exc	nange	
Pound S	Sterling			
Euro	9			
Yen				
Other				
	ers must submit proof of the SARE			
5. VV as (7)	Vere the Local Content Declaration correct? Ck applicable box)	Templates (An	nex C, D and E) a	udited and certified
	YES NO			
5.1. If yes,	provide the following particulars:			
(Do	cumentary proof regarding the dec staction of the Accounting Officer /	daration will wi	**************************************	bmitted to the
6. Where, minimus to verify	after the award of a bid, challe in threshold for local content the d and in consultation with the AO/A	enges are expo ti must be infor A provide direc	erienced in meetin med accordingly in ctives in this regard.	g the stipulated order for the dti

LOCAL CONTENT DECLARATION (REFER TO ANNEX B OF SATS 1286:2011)

LEGALLI KESPUNSIBLE PERSON NOR	HIEF FINANCIAL OFFICER OR OTHER MINATED IN WRITING BY THE CHIEF N WITH MANAGEMENT RESPONSIBILITY R INDIVIDUAL)
IN RESPECT OF BID NO.	
ISSUED BY: (Procurement Authority / Name of	
NB	
1 The obligation to complete, duly sign and a to an external authorized representative, audito the bidder.	submit this declaration cannot be transferred or or any other third party acting on behalf of
2 Guidance on the Calculation of Local Contact Templates (Annex C, D and E) is access development/ip.jsp. Bidders should first conductation D, bidders should complete Declaration Declaration C. Declaration C should be sthe closing date and time of the bid in order paragraph (c) below. Declarations D and E significant purposes for a period of at least 5 years. The supplate Declarations C, D and E with the actual supplate Declarations C, D and E with the actual supplates.	npiete Declaration D. After completing ation E and then consolidate the information ubmitted with the bid documentation at to substantiate the declaration made in hould be kept by the bidders for verification uccessful bidder is required to anytical.
I, the undersigned, do hereby declare, in my capacity as of entity), the following:	
(a) The facts contained herein are within my ow	n personal knowledge.
(b) I have satisfied myself that:	
and as measured in terms of SATS 1	delivered in terms of the above-specified ontent requirements as specified in the bid, 286:2011; and een audited and certified to be correct.
(c) The local content percentage (%) indicate formula given in clause 3 of SATS 1286:20 paragraph 4.1 above and the information contain consolidated in Declaration C:	11 The rates of evolution :
Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of S	
Stipulated minimum threshold for local content	
Local content %, as calculated in terms of SATS	3 1286:2011

If the bid is for more than one product, the local content percentages for each product contained in Declaration C shall be used instead of the table above.

SATS 1286. Note: VAT to be excluded from all calculations Total Import (613) Total tender value | Total exempted | (C3) Total Imported content (C24) Total local contemt (C25) Average local content % of tender Tender semmany (218) (C22) Total Tender value net of exempt imported content (CZ1) Total Exempt Imported content (03) Tender (312) (CZ0) Total tender value è Letal Content Declaration - Summary Schedule content % (per item) LOCAL (CLS) Local value (014) Annex C de Calculation of local content Imported value exempted imported content net of (CL2) 교 Imported value (213) fender price each (end VAT) (0,0) 器 List of Items Signature of tenderer from Annex B 8 Specified local content % fendering Entity name: Fender Enchange Rate: Designated product(s) Fender description: Fender Authority: Tender Item Tender No. 7.Or 8 Date: 0 0 0 0 0 0

	190	9.7350	Direction of	Impo	ried Content D		ex D	Tolog 4						
(D1) (D2)					and the second s	-5101111011	arihhound	ochedule ti	o Annex C	6	1115	alena.	4000	į
(D3) (D4) (D5) (D6)	Tender descr Designated P Tender Author Tendering Ent Tender Conte	roducts: rity: ity name:		Pada					figur: VAT	to be exclud	ed from			
	A. Exemp	ted Import	ed content	7 ang		EU R	9.00	GBP R 12						
	Tender Item no's	Description	n of imported conte	nt Local sup	plier Oversess Su	pplier value	rign ency Tand as per Exclusionercial Sense	ge Local valu		All le	Ored Territor	-		
	[07]		(08)	(09)	(010)	Brenz	plot		port of en	try Lendin	g costs cost min	TAVE	ender Qi))
ŀ					11.55	[DI	(012)	(013)	(024)	(0)		-11	(017)	-
-												\exists \vdash	10-27	ţ
1	Imported		the Tenderer	Unit of mean	in Oversens Supp	Forigi current lier value as	Tender (ta)	e Local value o	of imperiod.com	All local			ed value Pales con Pales S	4
E	(D20)		(021)	form		Commen		e importa	port of entry	landing of	SES COST AND U	ed Terre	er Qty Tr	'n
E				[022)	(023)	(024)		(025)	(027)	& dutie		1		
-											(029)	ID.	10)	
												+	-	_
														_
													1	_
C. is	mported by	a 3rd part	y and supplied	to the Tene	la	Immonitor				(082)	fatal Imported va	hie by tend		
1				and I dive	erer	Forign		Catcufetian of	imported conter			Account	Som	i
Da	scription of Impo	rted content	Unit of measure	Local supplier	Oversees Supplier	currenty volve as per Commercial Involve		Local value of Imports	Freight costs to port of entry	All fonelly incurred landing costs	Total landed	Quanti	y	
			1004	(D9S)	(D36)	(037)	(D28)	(099)	(040)	& duties (D41)	(0-62)			
											[042]	(040)	+	
											•		-	_
												-		-
. Otl	her foreign	currency p	ayments	- 1	Calculation of fars	gn currenty				(D45) Tola	i imported value	by Brd party		
	Type of payme	T	Local supplier	Oversens R	Paymani Oreign correctly value paid	Tender Rate							Sp: 1	
	(D46)		(047)	(D48)	(049)	of Exchange (DSQ)							local	
						11						ł	jiniy (A	-
												F	- "	1
et vre	of tender <u>er from</u>	Annex a					(052)	Total of foreign	n Currency paymes	nts declared by	tenderer and/or	3rd game		1
							(D53) Total of in	oported conten	& foreign current	γ payments - μ	D32), (D65) & (DE	ZJ abous		-
ı.														

SATS 1286.2011

Annex E

	d Content Declaration - Supporting	Schedule to Annex C	
1) Tender No. 2) Tender description:			
7) Tender description: 1) Designated products:		Note: VAT to be excluded for	rom all cale
Tender Authority:			and and the
Tendering Entity name:			
Local Products (Goods, Services and Works)	Description of items purchased	Local suppliers	Vals
	(E6)	(700)	
		(E7)	(E8)
<u></u>			
-			
+			
F			
-			
	(E9) Total local products	(Goods, Services and Works)	
(E10) Missano Viorante I Te	and a second second second	(vices and works)	
The state of the s	enderer's manpower cost)		
(E11) Programy overheeres (Re	ntal, depreciation & amortisation, utility costs, con	L	
	men, depreciation & amortisation, utility costs, con	sumables etc.)	
(E12) Administration overheads	and mark-up [Marketing, insurance, financing	l let	
	The state of the s	, interest etc.)	
		(E13) Total local content	
	Î.		Service of the
		This total anust correspond with a	Annex C - C
ignature of tenderer from Annex B			EC.
A PRINCIPLIFIC TOTA ANNEX B			
ate:			

ine local content percentages for each product has been calculated using the formula given in clause 3 of SATS 1286:2011, the rates of exchange indicated in paragraph 4.1 above and the information contained in Declaration D and E.

- (d) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.
- (e) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application. I also understand that the submission of incorrect data, or data that are not verifiable as described in SATS 1286:2011, may result in the Procurement Authority / Institution imposing any or all of the remedies as provided for in Regulation 13 of the Preferential Procurement Regulations, 2011 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

SIGNATURE:	DATE:
WITNESS No. 1	DATE:
WITNESS No. 2	DATE:
	# Chi lint

CONTRACT FORM - RENDERING OF SERVICES

THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.

		PART 1 (TO BE FILLE	ED IN BY TH	E SERVICE PROVIDER)
1.	instituti specific me and	on)	n Bid Number	in accordance	he attached bidding documents to (name of the with the requirements and task directives / proposals at the price/s quoted. My offer/s remain binding upon lidity period indicated and calculated from the closing
2.	The fol	lowing documents	shall be deemed	to form and be rea	ad and construed as part of this agreement:
	(i) (ii) (iii)	- Tax cle - Pricing - Filled is - Preference in terms - Declara - Declara - Certific - Special General Condition Other (specify)	on to bid; arance certificate; schedule(s); n task directive/pi nce claims for Br s of the Preferenti ation of interest; ation of bidder's p tate of Independer Conditions of Co ons of Contract; a	roposal; oad Based Black al Procurement R east SCM practices at Bid Determinationtract; and	s; ion;
3.	quoted	cover all the ser	vices specified i	n the bidding do	s and validity of my bid; that the price(s) and rate(s) ocuments; that the price(s) and rate(s) cover all my and rate(s) and calculations will be at my own risk.
4.	I accept me und	t full responsibilit er this agreement	y for the proper as the principal li	execution and ful able for the due fo	filment of all obligations and conditions devolving on alfillment of this contract.
5.		e that I have no pother bid.	articipation in an	y collusive practi	ces with any bidder or any other person regarding this
6.	I confir	m that I am duly a	uthorised to sign	this contract.	
	NAME	(PRINT)			WITNESSES
	CAPAC	CITY	***************		1
	SIGNA	TURE			2
	NAME	OF FIRM	.,		DATE:

DATE

CONTRACT FORM - RENDERING OF SERVICES PART 2 (TO BE FILLED IN BY THE PURCHASER)

1.	accept your bi	d under reference num under and/or further spec	berda	ited	for the ren	dering of services						
2.	An official ord	er indicating service del	ivery instructions is f	orthcoming.								
3.	I undertake to within 30 (thirt	I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.										
	DE	SCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)						
4. SIGN		am duly authorised to si				=						
NAM	E (PRINT)											
SIGN	ATURE	***************************************		····-								
OFFI	CIAL STAMP			WITT	VESSES							
				1								

				DATI	3: 							

DECLARATION OF BIDDER'S PAST SUPPLY CHAIN MANAGEMENT **PRACTICES**

- This Standard Bidding Document must form part of all bids invited. 1
- It serves as a declaration to be used by institutions in ensuring that when goods 2 and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- The bid of any bidder may be disregarded if that bidder, or any of its directors 3
 - a. abused the institution's supply chain management system;
 - b. committed fraud or any other improper conduct in relation to such system; or
 - c. failed to perform on any previous contract.
- In order to give effect to the above, the following questionnaire must be 4 completed and submitted with the bid.

	Is the bidder or any of its directors lived	Married Walled	100
	Is the bidder or any of its directors listed on the National Treasury's Database of Restricted Suppliers as companies or persons prohibited from doing business with the (Companies or persons who are business with the	Yes D	No D
	(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the audi alteram partem rule was applied).		
	The Database of Restricted Suppliers now resides on the National Treasury's website(www.treasury.gov.za) and can be accessed by clicking on its link at the		
4.1.	1 If so, furnish particulars:		
	T.		
4.2	Is the bidder or any of its directors listed on the Boriston C.		
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?	Yes	No
4.2	Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home	Yes	No
4.2.1	of 2004)? The Register for Tonday D. c		1
4.2.1	of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home If so, furnish particulars:		
	of 2004)? The Register for Tender Defaulters can be accessed on the National Treasury's website (www.treasury.gov.za) by clicking on its link at the bottom of the home If so, furnish particulars: Was the bidder or any of its directors convicted by a court of law (including of the Perula).	es N	1

4.4	Was any contract between the bidder and a five years on account of failure to perform	any organ of state terminated during the past Yes No
4.4.1	If so, furnish particulars:	7 y man die contract?
		SBD 8
	CERT	IFICATION
I AC	CEPT THAT IN ADD)
Signatu	ıre	Date
Signatu	ıre	Date Name of Bidder

CERTIFICATE OF INDEPENDENT BID DETERMINATION

- 1 This Standard Bidding Document (SBD) must form part of all bids¹ invited.
- Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
- Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities and authorizes accounting officers and accounting authorities to:

 a. disregard the bit of
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution
- This SBD serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bidrigging.
- In order to give effect to the above, the attached Certificate of Bid Determination (SBD 9) must be completed and submitted with the bid:
- ¹ Includes price quotations, advertised competitive bids, limited bids and proposals.
- ² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

SBD 9

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the	e accompanying bid:
(I	Bid Number and Description)
in response to the invitation for the b	rid made by:
	(Name of Institution)
	,
do hereby make the following stateme	ents that I certify to be true and complete in every respect:
l certify, on behalf of	
1 16	(Name of Bidder)

- 1. I have read and I understand the contents of this Certificate;
- 2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect;
- I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder;
- Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder;
- 5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 (b) could potentially submit a bid in response to this bid invitation;
 - could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder
- 6. The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However communication between partners in a joint venture or consortium³ will not be construed as collusive bidding.

- In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:

 - geographical area where product or service will be rendered (market (b) allocation)
 - methods, factors or formulas used to calculate prices; (c)
 - the intention or decision to submit or not to submit, a bid; (d)
 - the submission of a bid which does not meet the specifications and (e) conditions of the bid; or
 - bidding with the intention not to win the bid. (f)
- 8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation
- 9. The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

Signature	Date
Position	Name of Bidder

OFFICIAL BRIEFING SESSION/SITE INSPECTION CERTIFICATE

N. B.: THIS FORM IS ONLY TO BE INCLUDED AND COMPLETED WHEN APPLICABLE TO THE BID.
Site/building/institution involved:
Bid No:
Service:

THIS IS TO CERTIFY THAT (NAME):
ON BEHALF OF:
VISITED AND INSPECTED THE SITE ON (DATE)
AND IS THEREFORE FAMILIAR WITH THE CIRCUMSTANCES AND THE SCOPE OF THE SERVICE TO BE RENDERED.
SIGNATURE OF BIDDER OR AUTHORISED REPRESENTATIVE (PRINT NAME)
DATE:
SIGNATURE OF DEPARTMENTAL REPRESENTATIVE (PRINT NAME)
DEPARTMENTAL STAMP: (OPTIONAL)
DATE: