

**Hessequa Municipality**



**MUNICIPAL SUPPLY CHAIN MANAGEMENT  
INVITATION TO SUBMIT CLOSED QUOTATION  
UPGRADING OF WITSAND SLIPWAY**

**RQ Nr: 59808**

**25 May 2018**

**Dear Sir/Madam**

Please provide a written quotation for the supply of goods and / or services as detailed in the list attached.

The quotation must be submitted, on the official letterhead of your business, by the one of the following means for the attention of Ms Carisha Prins

- Email [carisha@hessequa.gov.za](mailto:carisha@hessequa.gov.za)
- Per Hand at the Hessequa Municipality SCM offices, Post Office Building, 19 Main Road, Riversdale, 6670

**QUOTATIONS MUST REACH THE MUNICIPALITY BEFORE OR AT 12:00 ON 05 JUNE 2018  
NO LATE QUOTATIONS WILL BE CONSIDERED**

The following conditions will apply to all quotations:

- Prices quoted must be firm, inclusive of VAT and where applicable for delivery to the address indicated below. The total amount of the quotation must also be clearly indicated;
- Please refrain from quoting on goods that are out of stock or not usually stocked by your company, or indicate on your quotation that this is the case and what the delivery period on those items will be;
- If your quotation is accepted, goods and/or services must be supplied and delivered to the below mentioned address, accompanied by your delivery note and invoice (if possible);
- Quotations must to be valid for a period of 30 days;
- The delivery period must be indicated.

- The closed quotation is subjected to the General Conditions of Contract as contained in MFMA Circular 25 of 2005 and the conditions contained in Hessequa Municipal SCM POS section 3.2.4.
- If a quotation is submitted for the goods; services or works requested, you the supplier accepts the conditions of this quotation and that the goods; services and works will be supplied or constructed as per this quotation.
- A formal order will be issued to the successful supplier that will be a written instruction to the supplier to supply; deliver or construct as per specifications contained in this quotation.
- If a quotation are called for a specific number of items, Council reserves the right to change the number of such items to be higher or lower. The successful quotationer will then be given an opportunity to evaluate the new scenario and inform the Municipality if it is acceptable. If the successful quotationer does not accept the new scenario, it will be offered to the second-placed quotationer. The process will be continued to the Municipality's satisfaction.

If your quotation does not comply with above stated conditions, your quotation will not be considered.

If you have not received a response from the Municipality within thirty (30) days after the closing date of the quotation, please regard your quotation as unsuccessful. Should you be interested in wanting to know to who the successful bidder was, you may consult our website at [www.hessequa.gov.za](http://www.hessequa.gov.za) where monthly reports on awards will be published.

Quotations will be evaluated and adjudicated in terms of the Preferential Procurement Policy Framework Act (Act 5 of 2000), The Preferential Procurement Regulations,2017 and the Hessequa Municipality's Supply Chain Management Policy, for which 80 points will be allocated in respect of price and 20 points in respect of B-BBEE contribution.

**It is estimated that prospective suppliers should have a CIDB contractor grading of 1GB higher**

The Municipality reserves the right to withdraw any invitation for closed quotations and/or to re advertise or to reject any quotation or to accept a part of it. The Municipality does not bind itself to accepting the lowest quotation.

Any Prospective Service Provider must make sure that they are registered and are valid on the Database of Hessequa Municipality and/or on the Centralised Supplier Database (CSD) and that they are in possession of a Valid Tax Clearance Certificate.

Please address any technical enquiries regarding the specifications to Mr Werner Mahno  
Tel: 028 713 7364 or any Supply Chain Management related enquiries to Ms Carisha Prins at  
Tel: 028 713 7974.

A compulsory clarification meeting will be held on at the following:

PLACE	TIME	DATE
SCM COMMITTEE ROOM POST OFFICE BUILDING 19 MAIN ROAD RIVERSDALE 6670	12:00 PM	THURSDAY, 31 MAY 2018

The stipulated minimum threshold percentages for local production and content for steel products is provided below:

<u>Steel construction Material</u>	<u>Components</u>	<u>Local Content Threshold</u>
Fabricated structural steel	Y10 steel rods,	100%
Wire Products	Reinforcing mesh	100%

- (i) The exchange rate to be used for the calculation of local production and content must be the exchange rate published by the South African Reserve Bank (SARB) at 12:00 on 31 May 2018; and

Only the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 must be used to calculate local content

**Important note: a valid original or certified B-BBEE certificate must be submitted with the documentation. (MBD 6.1 Preference Points Claim form need to be completed to claim points. NB- Only points claims will be awarded. The MBD 6.1 is available from the municipal website at [www.hessequa.gov.za](http://www.hessequa.gov.za) under the tab SCM INFO AND REPORTS or at the Supply Chain Management offices at Post Office Building, 19 Main Road, Riversdale.)**

## **DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

This Municipal Bidding Document (MBD) 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, contractors must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017 and 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: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

### **1. General Conditions**

- 1.1. Preferential Procurement Regulations, 2017 (Regulation 8) makes provision for the promotion of local production and content.
- 1.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 1.3. Where necessary, for tenders 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 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 the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required 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](http://www.thedti.gov.za/industrial_development/ip.jsp) at no cost.**

- 1.6. A bid may be disqualified if this Declaration Certificate and the Annex C ( Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;

2. 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 minimum threshold

<u>Steel construction Material</u>	<u>Components</u>	<u>Local Content Threshold</u>
Fabricated structural steel	Y10 steel rods	100%
Wire Products	Reinforcing mesh	100%

3. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on 31 May 2018.

The relevant rates of exchange information is accessible on [www.reservebank.co.za](http://www.reservebank.co.za).

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

<u>Currency</u>	<u>Rates of exchange</u>
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Contractors must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the Accounting Officer / Accounting Authority provide directives in this regard.

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

**LOCAL CONTENT DECLARATION BY 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)**

**Fabricated structural steel**

**IN RESPECT OF BID NO.** .....

**ISSUED BY:** (Procurement Authority / Name of Institution):  
.....

NB

1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thedti.gov.za/industrial\\_development/ip.jsp](http://www.thedti.gov.za/industrial_development/ip.jsp). Contractors should first complete Declaration D. After completing Declaration D, contractors should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the contractors for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of bidder entity), the  
following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that
  - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and

(c)The local content percentages (%) indicated below 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 which has been consolidated in Declaration C;

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 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. The 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, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

## **DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS**

This Municipal Bidding Document (MBD) 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, contractors must study the General Conditions, Definitions, Directives applicable in respect of Local Content as prescribed in the Preferential Procurement Regulations, 2017 and 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: Summary Schedule), D (Imported Content Declaration: Supporting Schedule to Annex C) and E (Local Content Declaration: Supporting Schedule to Annex C)].

### **4. General Conditions**

- 4.1. Preferential Procurement Regulations, 2017 (Regulation 8) makes provision for the promotion of local production and content.
- 4.2. Regulation 8.(2) prescribes that in the case of designated sectors, organs of state must advertise such tenders with the specific bidding condition that only locally produced or manufactured goods, with a stipulated minimum threshold for local production and content will be considered.
- 4.3. Where necessary, for tenders 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.
- 4.4. 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.
- 4.5. 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 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 the South African Reserve Bank (SARB) at 12:00 on the date of advertisement of the bid as required 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](http://www.thedti.gov.za/industrial_development/ip.jsp) at no cost.**

- 4.6. A bid may be disqualified if this Declaration Certificate and the Annex C ( Local Content Declaration: Summary Schedule) are not submitted as part of the bid documentation;



5. 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 minimum threshold

<u>Steel construction Material</u>	<u>Components</u>	<u>Local Content Threshold</u>
Fabricated structural steel	Y10 steel rods	100%
Wire Products	Reinforcing mesh	100%

6. Does any portion of the goods or services offered have any imported content?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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- 3.1 If yes, the rate(s) of exchange to be used in this bid to calculate the local content as prescribed in paragraph 1.5 of the general conditions must be the rate(s) published by the SARB for the specific currency at 12:00 on 31 May 2018.

The relevant rates of exchange information is accessible on [www.reservebank.co.za](http://www.reservebank.co.za).

Indicate the rate(s) of exchange against the appropriate currency in the table below (refer to Annex A of SATS 1286:2011):

<u>Currency</u>	<u>Rates of exchange</u>
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Contractors must submit proof of the SARB rate (s) of exchange used.

4. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the Accounting Officer / Accounting Authority provide directives in this regard.

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

**LOCAL CONTENT DECLARATION BY 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)**

**Wire Products**

**IN RESPECT OF BID NO.** .....

**ISSUED BY:** (Procurement Authority / Name of Institution):  
.....

NB

1 The obligation to complete, duly sign and submit this declaration cannot be transferred to an external authorized representative, auditor or any other third party acting on behalf of the bidder.

2 Guidance on the Calculation of Local Content together with Local Content Declaration Templates (Annex C, D and E) is accessible on [http://www.thedti.gov.za/industrial\\_development/ip.jsp](http://www.thedti.gov.za/industrial_development/ip.jsp). Contractors should first complete Declaration D. After completing Declaration D, contractors should complete Declaration E and then consolidate the information on Declaration C. **Declaration C should be submitted with the bid documentation at the closing date and time of the bid in order to substantiate the declaration made in paragraph (c) below.** Declarations D and E should be kept by the contractors for verification purposes for a period of at least 5 years. The successful bidder is required to continuously update Declarations C, D and E with the actual values for the duration of the contract.

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of .....(name of bidder entity), the  
following:

- (a) The facts contained herein are within my own personal knowledge.
- (b) I have satisfied myself that
  - (i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and

(c)The local content percentages (%) indicated below 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 which has been consolidated in Declaration C;

Bid price, excluding VAT (y)	R
Imported content (x), as calculated in terms of SATS 1286:2011	R
Stipulated minimum threshold for local content (paragraph 3 above)	
Local content %, as calculated in terms of SATS 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. The 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, 2017 promulgated under the Preferential Policy Framework Act (PPPFA), 2000 (Act No. 5 of 2000).

**SIGNATURE:** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 1** \_\_\_\_\_

**DATE:** \_\_\_\_\_

**WITNESS No. 2** \_\_\_\_\_

**DATE:** \_\_\_\_\_

## **MAINTENANCE OF WITSAND SLIPWAY**

### **SPECIFICATIONS:**

The Hessequa Municipality requires all prospective suppliers to provide the following

#### **Description**

- Upgrading of Witsand slipway.

#### **Scope of work**

### **CONSTRUCTION OF EXISTING DAMAGED CONCRETE SLIPWAY.**

The project entails the reparation of an existing damaged concrete 141m<sup>2</sup> slipway with a depth of 300mm. All maintenance work must be done according to SANS 1200. Bidders need only to provide us with prices for labour, material and machinery (equipment). Progress will be approved by the Technical Department of Hessequa Municipality

**The project comprise of the following :**

#### **CONCRETE SLIPWAY**

- Demolis and remove existing damaged concrete slipway slabs and transport materials and debris to and dump at municipal landfill site.
- Excavation of material under existing damaged concrete slabs to a depth of 150mm and replace with G4 subbase layer to level of 300mm beneath final concrete floor level. Subbase to be compacted to 95% Mod AASHTO
- Excavation for the casting of the concrete slabs to depths of 300mm from final floor level outside and inside of seawater.
- Excavate for concrete foundation footing (kicker) (10.1m x 0.3m) to a depth of 600mm from the final slab level inside the seawater.
- Installation of formwork for concrete footing (10.1m x 0.6m), (7.5mx0.3mx2) inside the sea water. Ensure that the slope levels of existing slipway remains constant when formwork levels is set out.
- Cast four concrete slabs (inside and outside of sea water) of (2.5m x4m), (1.5mx1.5m) and (2.1m x2.5m) 300mm thick with 30Mpa concrete and provide expansion joints. (Without reinforcing mesh)
- Place 200x200x6mm (Ref 193) reinforcing mesh overlapping 200mm, inside (10.1m x7.5m),at a level of 50mm above the sub base filling. (only slab inside the water)  
Ensure that the slope levels of concrete slab inside the seawater remains constant to the existing slipway slope/gradient.
- Cast (10.1m x0. 6m) concrete foundation footing (kicker) inside of seawater, 300mm thick with 30Mpa concrete. Place 200x200x6mm (Ref 193) reinforcing mesh vertically to formwork inside the foundation footing ,fixed to the horizontal

top slab mesh reinforcing, to the ground level of foundation footing, overlapping 100mm.

Apply three Y10 (10 000mm) steel rods horizontally, fixed to vertical reinforce mesh in foundation footing, 150 mm apart.

- Chloride free set accelerator and plasticizing agent as Cryso Xel (**or similar**) must be added to all concrete and been mixed for a minimum time of 15 minutes. Cryso Xel (**or similar**) dosage should be 2 liters/100kg cement for concrete to set faster in seawater.

Contractor must confirm with supplier of the ready-mix, if accelerator can be provided by the supplier with the ready mix for concrete to set faster, if not, the contractor will be responsible to add and mixed accelerator by hand while the concrete is casted from the ready- mix truck.

- All joints and cracks on existing slipway area of (21m x 37m) should be sealed/repared with concrete and cement mortar to a smooth finish. The concrete mixture of 30 Mpa must be mixed with a concrete mixer.

### **Contractor responsibilities**

- Before the Contractor commences operations, he/she must discuss and have the approval of the Municipality concerned regarding the method he proposes to use for relocating or safe-guarding any services and existing works he may encounter during construction
- The Contractor shall be responsible for any damage to such existing services and works in the execution of this contract and shall reimburse the Municipality concerned for any repairs required and for damages
- All quantities to be verified by contractor and set out work to be done by contractor.

**The contractor must familiarise him/herself with the changing of sea levels daily (high and low tides in order to complete the construction (formwork and concrete work) inside the seawater.**

**The contractor must notify the Engineer of the municipality and arrange site inspections before any concrete casting is completed. The Engineer must be present while the layers is prepared and compacted and when the concrete is casted.**

### **Plant requirements:**

- Contractor should have sufficient labour/machinery/plant/tools/pumps/concrete vibrator and other equipment to complete job successfully
- Plant that is operated on or over units that have been laid shall be such that it does not cause damage to or disturbance of the units
- All fuel to be supplied by the contractor.
- All equipment and vehicles used by the Contractor shall be roadworthy at all times and all drivers and operators shall be in possession of valid drivers' licenses

## **Materials requirements**

- The concrete slab shall be free from cracks.
- 30 Mpa Ready-mix concrete with accelerator should be used for slab and foundation footing inside the seawater.
- 30 Mpa concrete mix with concrete-mixer can be used for slabs outside the water. Quick drying cement bags must be used for slabs by contractor. Accelerator to be added to mixture.
- All concrete should be vibrated with concrete vibrator poker while concrete is cast inside and outside the seawater.
- Contractor should provide specification which clearly indicate the 30Mpa concrete strength on site from the supplier before ready-mix concrete is cast on site.
- Contractor should provide the Engineer the specification from supplier of G4 Subbase, building sand and concrete stone before work commence for layerworks and material used for concrete mixture.

All materials needed to complete the work shall be provided by the Contractor

## **FEATURES REQUIRING SPECIAL ATTENTION**

### **Occupational Health and safety**

The contractor is responsible for the health and safety of workers employed by the contractor.

### **Safety regulations**

In terms of the applicable regulation of the Machinery and Occupational Safety Act – SABS1200D-1988 clause 5.1.1.1 every excavation that is accessible to the public or that is adjacent to a public road the contractor shall safeguard and barricaded the area up to 1000mm. The contractor shall ensure that excavations are shored or otherwise made safe. No additional payment will be made to the contractor for complying with these requirements.

### **Finishing and tidying**

Progressive and systematic finishing and tidying will form an essential part of this contract. Under no circumstances shall spoil, rubble, materials, equipment or unfinished operations be allowed to accumulate unnecessarily and in the event of this occurring the municipality shall have the right to withhold payment for as long as necessary in respect of the relevant works in the areas(s) concerned

**Pricing Schedule:**

ITEM NO.	PAYMENT REFERS	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
C	<b>SABS</b>	<b>GENERAL</b>				
	<b>1200 C</b>					
C1		<b>Site Clearance</b>				
C1.1		Demolish and remove existing damaged concrete slipway slabs and transport materials and debris to and dump at municipal landfill site.	m <sup>3</sup>	10		
C2		<b>Earthworks (concrete slabs and G4 layers)</b>				
C2.1		Excavation of material for concrete slabs and foundation concrete footings (10100mmx7500mmx300mm) (2500mmx4000mmx300mm) (1500mmx1500mmx300mm) (21000mmx2500mmx300mm) (300mmx10100mmx300mm)  Excavation of material under existing damaged concrete slabs to a depth of 150mm and replace with G4 subbase layer to level of 300mm beneath final concrete floor level. Subbase to be compacted to 95% Mod AASHTO	m <sup>3</sup>	28		
C3		<b>Earthworks (G4 layers)</b>				
C3.1		Fill and compact the inside of the slabs with G4 subbase layer of 150mm up to the underside of the concrete layer and compact to 95% Mod AASHTO (10100mmx7500mmx150mm) (2500mmx4000mmx150mm) (1500mmx1500mmx150mm) (21000mmx2500mmx150mm)	m <sup>3</sup>	21		

C4		<b>Concrete works (for mass concrete foundation footings and slabs)</b>				
C4.1		Cast 30MPa ready mix with accelerator, 300mm thick, concrete slab and foundation footing. Cast 10100mm x 7500mmx 300mm concrete slab with foundation footing (600mmx10100mmx300 mm) inside the seawater.	m <sup>3</sup>	23		
C4.2		Cast 30MPa (mix with concrete mixer and accelerator), 300mm thick, concrete slabs and provide expansion joints in both directions  Cast concrete slabs outside the seawater. (2500mmx4000mmx300mm) (1500mmx1500mmx300mm) (21000mmx2500mmx300mm)	m <sup>3</sup>	20		
C4.3		Chloride free set accelerator and plasticizing agent as Cryso Xel ( <b>or similar</b> ) Cryso Xel ( <b>or similar</b> ) dosage should be for 43 m <sup>3</sup> concrete (for slabs and foundation footing) for 30 Mpa concrete to set faster in seawater. Contractor must confirm with supplier of the ready-mix, if accelerator can be provided by the supplier with the ready mix for concrete to set faster, if not, the contractor will be responsible to add and mixed accelerator by hand while the concrete is casted from the ready- mix truck.	m <sup>3</sup>	43		
C4.4		All joints and cracks on existing slipway area of (21m x 37m) should be sealed/repared with concrete and sement mortar to a smooth finish. The concrete mixture of 30 Mpa must be mixed with a concrete mixer	m <sup>3</sup>	1		
C5		<b>Reinforcement (slab and foundation</b>				



		<b>footing) inside the seawater</b>				
C5.1		Place reinforcing steel mesh, overlapping 200mm, inside the (10100mmx7500mm) concrete slab at a level of 50mm above the subbase layer. 200mmx200mmx6mm (Ref 193) (only slab inside the water) Place 200x200x6mm (Ref 193) reinforcing mesh vertically to formwork inside the foundation footing, fixed to the horizontal top slab mesh reinforcing, to the ground level of foundation footing, overlapping 100m. Allow 50mm concrete cover. (500mmx 10000mm)	m <sup>2</sup>	79		
C5.2		Apply three Y10 (10 000mm) steel rods horizontally, fixed to vertical reinforce mesh in foundation footing, 150 mm apart.	No	3		
			<b>Total Incl Vat</b>			

**PLEASE INDICATE THE COMPLETION PERIOD**