

Hessequa Municipality



**MUNICIPAL SUPPLY CHAIN MANAGEMENT
INVITATION TO SUBMIT CLOSED QUOTATION
THE PURCHASE OF 6M CONTAINER FOR TRAFFIC DEPARTMENT RIVERSDALE**

RQ Nr: 54535

18 May 2017

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 Mrs M Gunter

- Email marese@hessequa.gov.za
- Per Hand at the Hessequa Municipality SCM offices, Post Office Building, 19 Main Road, Riversdale, 6670

Quotations must reach the Municipality by no later than 12:00 on 26 May 2017

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 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 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.

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 Morné Dyason
Tel: 028 713 7818 or any Supply Chain Management related enquiries to Mrs M Gunter at
Tel: 028 713 8082

The stipulated minimum threshold percentages for local production and content for wire fencing is provided below:

<u>Steel construction</u>	<u>Components</u>	<u>Local Content Threshold</u>
Fabricated Structural Steel	Latticed steelwork, reinforcement steel, columns, beams, plate girders, rafters, bracing, cladding supports, stair stringers & treads, ladders, steel flooring, floor grating, hand railing and balustrading, scaffolding, ducting, gutters, launders, downpipes and trusses	100%
Joining/connecting components	Gussets, cleats, stiffeners, splices, cranks, kink, doglegs, spacers, tabs and brackets	100%
Fasteners	Bolts, nuts, rivets and nails	100%
Ducting and Structural	Non-conveyance tubing fabricated from steel sheeting and plate with structural supports	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 19 May 2017; and
- (ii) Only the South African Bureau of Standards (SABS) approved technical specification number SATS 1286:2011 must be used to calculate local content

SABS approved technical specification number SATS 1286:2011 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)] are accessible to all potential service providers on the dti's official website [http://www.thedti.gov.za/industrial development/ip.jsp](http://www.thedti.gov.za/industrial%20development/ip.jsp) at no cost

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 under the tab 'GENERAL INFORMATION TENDERS' 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, bidders 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 produces 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 16th May 2017 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 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</u>	<u>Components</u>	<u>Local Content Threshold</u>
Fabricated Structural Steel	Latticed steelwork, reinforcement steel, columns, beams, plate girders, rafters, bracing, cladding supports, stair stringers & treads, ladders, steel flooring, floor grating, hand railing and balustrading, scaffolding, ducting, gutters, launders, downpipes and trusses	100%
Joining/connecting components	Gussets, cleats, stiffeners, splices, cranks, kink, doglegs, spacers, tabs and brackets	100%
Fasteners	Bolts, nuts, rivets and nails	100%
Ducting and Structural Pipework	Non-conveyance tubing fabricated from steel sheeting and plate with structural supports	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 the 19th May 2017.

The relevant rates of exchange information is accessible on 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):

Currency	Rates of exchange
US Dollar	
Pound Sterling	
Euro	
Yen	
Other	

NB: Bidders 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)

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/industrialdevelopment/ip.jsp>. Bidders should first complete Declaration D. After completing Declaration D, bidders 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 bidders 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: _____

TENDER SPECIFICATIONS

1. BACKGROUND

Hessequa Municipality intends to appoint an experienced service provider for Provision and Delivery of an: **ONE (1) NEW ISO ICC TYPE STEEL DRY CONTAINER with;**

- I. ALL SPA – H**
- II. 1 PAIR OF FORKLIFT POCKET**
- III. CORRUGATED ROOF**
- IV. CORRUGATED DOORS**
- V. PLYWOOD FLOOR**
- VI. 2 VENTILATORS
PER CONTAINER.**

1.1 The container need to be delivered to Riversdale at a site determined by the Manager Protected Services on or before 15 June 2017

1.2 The successful bidder need to ensure that the container is delivered without any travel damages.

2. The tenderer is required to mark, or complete the appropriate boxes in the tender specifications below and fully motivate or explain as necessary. If space is insufficient, the response should be provided in a separate response document. The responses in the response document should be numbered exactly the same as the corresponding clauses in the tender specifications. The symbols in the response boxes in this tender have the following meanings:

Y = YES (Can fully comply)

N = NO (Cannot comply)

3. GENERAL INFORMATION TO BE SUPPLIED

3.1 Are you an accredited and certified service provider? If yes, please attach a copy of your certificate.

Y

N

3.2 Client references:

Please provide references where your organization has delivered a similar product to what you are proposing to Municipality of Hessequa.

- 1. A short description of the product delivered
- 2. The length of time it took to deliver the product

3. The cost to the client

(As supporting documentation, we would welcome an extensive list of clients with details of the solutions/services delivered to them)

Client 1: _____

Requirement

Response

A short description of the container delivered

The length of time taken to deliver the container

The cost to the client

Client 2: _____

Requirement

Response

A short description of the container delivered

The length of time taken to deliver the container

The cost to the client

Client 3: _____

Requirement

Response

A short description of the container delivered

The length of time taken to deliver the container

The cost to the client

4. GENERAL OBLIGATIONS

The tenderer shall:

4.1 Perform all its duties (with regard to delivery) under the supervision of the Hessequa Municipality and in strict compliance with any instruction received from authorized representatives of the Municipality

Y N

5. TENDER PRICES, PAYMENT AND INVOICING

The tenderer shall:

5.1 Tender a set price covering all obligations in terms of this tender

Y N

5.2 Acknowledge that no additional payments for any reason whatsoever will be paid by Hessequa Municipality to the tenderer.

Y N

5.3 The bidder need to, at his/her coast, show us the specific storage container that will be provided to Hessequa Municipality either by presenting the storage container in Riversdale or indicate a place where the storage container is and as mentioned, pay the traveling and if needed accommodation expenses to Hessequa Municipality for at least two (2) officials of Hessequa Municipality to be able to view such storage container

Y N

TECHNICAL SPECIFICATIONS PER STORAGE CONTAINER (FLEX BOX)

This specification covers the design, construction, materials, testing, inspection and performance requirements for ISO, ICC type steel dry cargo containers. The containers specified herein are manufactured under the quality control of FACTORY within the perimeters as such set forth by the Classification Societies.

- 1. GENERAL**
- 2. DIMENSIONS AND RATINGS**
- 3. MATERIAL AND CONSTRUCTION**
- 4. SURFACE PREPARATION AND PROTECTION**
- 5. MARKINGS**
- 6. TESTING AND INSPECTION**
- 7. WARRANTY APPENDIX**
- A. MATERIAL LIST OF MAIN STEEL PARTS**
- B. TESTING ITEMS, LOADS AND CRITERIA**

1. GENERAL

1.1. Operational Environment

The container is designed and manufactured for the carriage of general cargo by marine, road, and rail. It is designed to maintain its structural and weather tight integrity within a temperature range of -30 degree C to 80 degree C.

1.2. Regulations and Standards

The container will conform to and satisfy the following regulations and standards.

1.2.1 ISO/TC-104

All to meet series 1 freight containers set forth.

ISO 830 Freight containers-Terminology.

ISO 668 Series 1 freight containers-Classification, external dimensions and ratings.

ISO 6346 Freight containers-Coding, identification and marking.

ISO 1161 Series 1 freight containers-Corner fittings-specification.

ISO 1496-1 Series 1 freight containers-Specification and testing-

Part 1: General cargo containers

1.2.2 T.I.R. Requirements and Certifications

The container shall comply with the customs convention of containers, 1972 and all subsequent revisions to date and will be identified with appropriate approval plates and markings.

immunization plate.

1.2.3 U.I.C. Registration

The container will be registered and comply with the International Union of Railways (UIC) code 592-1 OR and 592-2 OR.

1.2.4 CSC Requirements

The container will comply with the rules set forth in the International Convention for Safe Containers and will be so identified with a plate.

1.2.5 Classification Society

The container will be certified by classification society in design and individually during its production.

1.3. Handling

The container will be constructed to be handled under the following conditions without distortion or effect on its structural integrity:

- A. Lifting full by its top corner fittings by means of spreaders
- B. Lifting full by its bottom corner fittings by means of fitting at a sling angle of 45 degrees.
- C. Lifting full or empty by forklift at its forklift pocket.

1.4. Transportation

The container will be constructed to be suitable for transportation in normal operating conditions by modes of:

- A. Marine - on deck or in cell guided by vertical or diagonal lashings
- B. Rail - on flat or container car secured at its bottom corner fittings
- C. Road - on flat or chassis secured at its bottom corner fittings

2. DIMENSIONS AND RATINGS

2.1 External Dimensions

Length: 6,058 MM 0 -6

Width: 2,438 MM 0 -5

Height: 2,591 MM 0 -5

2.2 Internal Dimensions

Length: 5,898 MM 0 -6

Width: 2,352 MM 0 -5

Height: 2,393 MM 0 -5

2.3 Diagonal Difference

Diagonal tolerance of front and rear frames should be less than 10 MM

Diagonal tolerance of side and roof panels should be less than 13 MM

2.4 Internal Capacity

33.2 CU.M. (1,173 CU.FT.)

2.5 Door Opening

Width: 2,343 MM 0 -5

Height: 2,280 MM 0 -5

2.6 Ratings

Max. Gross Wt.: 30,480 KGS (67,200 LBS)

Max. Payload: 28,295 KGS (62,380 LBS)

Tare Wt. +/-2%: 2,185 KGS (4,820 LBS)

2.7 Corner Protrusions

2.7.1 The faces of the bottom corner fittings protrude from lower faces of all transverse members in the base of the container by 17 MM (+0.5,-6.0 MM).

2.7.2 The upper faces of top corner fittings protrude from upper faces of the highest point of the roof by 6 MM.

2.7.3 The outer side faces of corner fittings protrude from outside faces of corner posts by 3 MM.

2.7.4 Under 1.8 x max. gross weight no part of the base will protrude more than 6 MM below the bottom corner fittings.

3. MATERIAL AND CONSTRUCTION

3.1. General

The container is mainly constructed with steel frames, corrugated panels welded by CO₂ shielded Arc welding. All welds of the exterior including the base frames are continuous with full penetration. Wooden floor is fixed to the cross members by self-tapping screws. All crevices will be sealed with elastic sealing compound.

3.2. Materials

The main constructional materials are shown in Appendix A of the specification.

3.3. Corner Fittings

All corner fittings used will comply with ISO/1161 standard.

3.4. Base Structure

3.4.1 The cross members consist of 16 pcs of 122x45x45x4 MM thick steel channel and 2 pcs of 122x75x45x4 MM thick members at the floor joints. There are 4 pcs of t4.0 stiffeners in each joint member.

3.4.2 Each forklift pocket is of 2 pcs of cross members welded with a 3 MM thick top plate and 2 bottom end plates 200 MM deep x 6 MM thick.

3.4.3 Four corner gussets, t4.0x200 MM thick protection plates will be welded from side rail to corner fittings.

3.5. Floor

3.5.1 The floor is of 28 MM thick plywood. All joints between each plywood and the whole floor perimeter are sealed with an elastic sealant.

3.5.2 The plywood used will be minimum 19 plies and will be: A. Hardwood of a specific gravity range of 0.7-0.85 at a moisture content of 12%. E.G. Keruing, Apitong, Birch.B. Moisture content will be 13-15% when fitted to the container.

3.5.3 The floor will be fixed to the steel cross members by zinc-plated self-tapping screws. The head of these screws are countersunk below the level of the upper surface of the floor by 2 MM to 2.5 MM.

3.5.4 The floor spacer with t4.0x50 MM flat bar will run the full length in center.

3.6. The Front Frame

3.6.1 The bottom end rail is of 4.0 MM thick pressed steel and formed into open sections. The bottom end rail has 4 pcs inner vertical gussets.

3.6.2 Each front corner post is a single pressed section of 6 MM steel.

3.6.3 The top front rail is a upper plate of 3 MM thick and a 60x60x3 MM thick square tube forming its profile.

3.6.4 The front panel is of 2 pcs of corrugated 2 MM steel panel.

3.7 The Rear Frame

3.7.1 The door sill (rear bottom rail) is of 4.5 MM thick pressed steel and formed into open sections. Each door sill has 4 pcs inner vertical gussets located just behind the cams of the

door locking assembly.

3.7.2 The rear corner post is a single piece of pressed section of 4.5 MM thick reinforced on the inside with a 113x40x12 MM channel.

3.7.3 The door header has a 3 MM thick top plate with a 4 MM "U" channel at the bottom forming into a box shape.

3.8 Side Walls

3.8.1 The side walls are of 5 pcs of 2.0 MM thick steel panels with a flat area of both ends and 1.6 MM thick intermediate steel panels, vertically trapezium corrugated steel panels continuously welded to each other and to the end rails and corner posts. Welding penetration side panels to rails should be min. 75%.

3.8.2 The top side rails are 60x60x3 MM steel square tube.

3.9 Roof

3.9.1 The roof is of 5 pcs corrugated 2 MM steel panels with a 5 MM camber continuously welded to the upper frame.

3.10 Door

3.10.1 The doors are constructed with corrugated steel panels. The panel thickness is 2 MM. The top and bottom horizontal door members are of 3.0 MM thick pressed 'U' type members. The vertical door members are of 50x100x3.2 MM thick rectangle tube.

3.10.2 Each door is capable of swinging 270 degrees when fully opened and can be secured in that position by means of nylon ropes attached.

3.10.3 The right door is so designed that the right door must be opened before the left in compliance with T.I.R. requirements.

3.10.4 The door gasket is of extruded EPDM with a double lip to ensure water tightness. The upper and side gaskets are of 'J' type configuration. Bottom is of a 'C' type configuration. It is attached with sealant and secured with a stainless steel retainers by blind rivets.

3.10.5 Each door is suspended by four hinges with stainless steel pins, nylon bushings and brass washers placed at the hinge pin lugs of the rear corner posts.

3.10.6 Galvanized locking devices on a galvanized 34 MM dia. pipe are secured to the door with nuts and bolts and has nylon bushings on the brackets. The Locking devices will be installed after the container is painted.

3.10.7 A door holder per door, made of mixed nylon rope, is tied to the centre-side locking rod and the receptacle (hook type) is welded to each bottom side rail to retain the door at the open position.

3.11. Sealant

Butyl based sealant is to be used for non-exposed parts such as floor lap joint area and between door gasket and frame. For internal exposed parts such as the periphery of the floor, chloroprene sealant is to be used.

3.12 Special Features

3.12.1 Shoring Slots: 61.5x40 MM slots are provided for on each of the rear corner posts so that a 2" thick batten can be secured to give protection against shifting cargo.

3.12.2 Lashing Rings: 4 rings with 12 MM dia. will be welded to each of the bottom and top side rails. These rings shall have a capacity of 1,500 KGS. 2 lashing bars will be welded to each corner post.

3.12.3 Ventilators - ventilators should be small type fabricated from A.B.S. resin by injection

moulding process. They will be secured to the second corrugation recess from right corner post of both side walls, by means of three Aluminium Huck bolts.

3.12.4 Two pcs of 200x75x9.0 MM thick cone damage protectors ('C' channels) are placed at both sides of front end rail as well as door sill.

3.12.5 Reinforcement plates - the 300x270x3 MM steel plate are welded to the upper surface of the top end frames around the top corner fittings.

3.12.6 Customs Seal Provision

Customs seal provision are made on each locking handle and retainer in accordance with TIR requirements.

4. SURFACE PROTECTION

4.1. Surface Preparation

All steel components, prior to forming, will be shot-blasted to a SA 2.5 standard surface by means of an automatic centrifugal shot surface cleaning machine. A weld-able primer compatible to the paint system will be applied immediately to a thickness of 10 micron to preserve the surface integrity during the assembly process. After the container is assembled it is shot-blasted again manually to clean all the welds and any other area that was contaminated during the assembly process. Slags and spatters are removed by means of grinding or needle hammers.

4.2 Paint

Exterior:

Apply one coat of zinc rich primer to 30mic. DFT.

Apply one coat of epoxy primer to 50 mic. DFT.

Apply one coat of acrylic top coat to 30 mic. DFT.

Total 110 mic. DFT.

Interior:

Apply one coat of zinc rich primer to 20 mic. DFT.

Apply one coat of epoxy top coat to 50 mic. DFT.

Total 70 mic. DFT.

4.3. Undercoating

The whole underside will be coated with 20 mic. of zinc rich primer and 180 mic. of Waxy or Bituminous undercoating. Total 200 mic. DFT.

Note: Paint supplier confirmed by owner.

5. MARKING

5.1 Lettering

The container will be marked in accordance with ISO requirements, owner's specifications, and other regulatory authorities.

5.2. Materials

The decals are of a self adhesive type and are warranted for seven (7) years against normal wear and tear. All data plates will be stainless steel and secured by steel blind rivets and sealed with colour sealant.

5.3 Plating and Stamping

5.3.1 Owner's and manufacturer's serial number will be stamped into the inside right rear corner post at eye level.

5.3.2 Chemically etched stainless steel plates (Consolidated data plate i.e. TIR, CSC,

TCT).will be permanently riveted with steel blind rivets and sealant will be applied around these plates.

6. TESTING AND INSPECTION

6.1. Materials and Parts Inspection

All materials and parts are inspected by the manufacturer's Quality Control department to ensure they are up to the specification called for in the design.

6.2. Production Line Quality Control

All containers are manufactured under effective quality control procedures to meet the specified standards. All dimensions are checked and smooth operation of the doors are ensured after each container's completion. A light and watertight test is conducted on all containers. Quality control personnel independent of the production dept. will be inspecting on all phases of the production as well as ad hoc inspections by the classification society's surveyor and buyer's representatives to assure the quality of the container.

7. WARRANTY

7.1. Paint Guarantee

The application of paint will be guaranteed against corrosion and paint failure for a period of five (5) years. The guarantee is for all faults affecting more than 10% of the painted surfaces and will assure partial or total re-painting of the containers.

Normal wear/tear, or corrosion caused by acid, alkali or results of damages by abrasion, impact or accident are excluded.

Note: Corrosion is defined as rusting which exceeds RE3 (European scale of degree of rusting) on at least ten (10) percent of the total container surface coated with the concerned coating system.

7.2. Other Guarantee

7.2.1 This container will be guaranteed against any defects or omissions in constructions, workmanship and materials for a period of two (2) year. In the event of defects, FACTORY will replace, correct or install to make the container satisfactory to this specification and its intended service at FACTORY's expense. Any damages caused by mis-handling, mis-securing, mis-loading, impact and any natures of accidents are excluded.

APPENDIX A

Material list for main steel parts:

YP = YIELD POINT (KG/MM²)

E = ELONGATION %

TS = TENSILE STRENGTH (KG/MM²)

FRONT PANEL) SPA-H OR EQUIVALENT

FRONT TOP RAIL) YP=35 TS=49 E=22

FRONT CORNER POST)

FRONT BOTTOM RAIL)

REAR CORNER POST-OUTER)

DOOR PANEL)

DOOR HEADER)

DOOR RAIL)

DOOR EDGE MEMBER)

DOOR SILL)

SIDE PANEL)

TOP SIDE RAIL)

BOTTOM SIDE RAIL)

ROOF PANEL)
CROSS MEMBER)
REINFORCEMENT PLATE)
FORK LIFT POCKET)
FLOOR SPACER)
DOOR SEAL RETAINER) STAINLESS
CONE DAMAGE PROTECTOR) JIS: SS41 HOT ROLLED
SHAPED STEEL
YP=25 TS=41 E=21
REAR CORNER POST-INNER) JIS: SM50YA HOT-ROLLED
HI-TENSILE SHAPED STEEL
YP=37 TS=50 E=15
LOCKING BAR) JIS: STK41
YP=23 TS=41 E=23
CORNER FITTING) JIS: SCW49 MOD. WELDABLE
CASTING
YP=28 TS=49 E=20
DOOR HINGE) JIS: S25C FORGING STEEL
YP=23 TS=44 E=20
DOOR LOCKING CAM) JIS: S20C FORGING STEEL
AND KEEPER) YP=23 TS=44 E=19

APPENDIX B

TESTING ITEMS, LOADS AND CRITERIA

NOTE: Figures in brackets of R: Gross Weight 30,480 KG

"residual deformation" P: Payload 28,295 KG

column show the total T: Tare Weight 2,185 KG

residual deformation *Measured from the plane of
after completion of the bottom corner fittings.

series tests 1, 2A, 2B, **Elastic Deformation

2C, 3, and 6 ***Dimensions within ISO tolerance

Test Load Permissible Criteria

Deflection Residual

under Load Deformation

1. Stacking

848 KN (86,400 KG) per post Corner Posts ** 4MM 2MM

Bottom Side 4MM

Offset: 25MM laterally Rails 38MM longitudinally Cross Members *6MM 3MM

(1.8R-T) loaded on floor

2.A. Lifting from the four top corner fittings

(2R), vertically Bottom Side 4MM

(2R-T), loaded on Rails floor Cross Members *6MM 3MM

2.B. Lifting from the four bottom corner fittings

(2R), lifting Bottom Side 4MM forces 45 angle Rails

(2R-T), Loaded Cross Members *6MM 3MM on floor

2.C. Lifting from fork pockets (1.6R): Bottom Side *6MM 3MM (1.6R-T):loaded Rails on floor

3. Restraint

(2R), Bottom Side Rails per rail, compression and tension longitudinally, Vertically 3MM (R-T) loaded Longitudinally 2MM on floor

4. Strength of End Walls

(0.4P) Front End Panel 8MM uniformly Door Panel 5MM

5. Strength of Side Walls

(0.6P) Side Panel 10MM uniformly Top & Bottom 4MM Side Rails

6. Floor Strength

7,260 KG, axle weight Cross Members 3MM 3,630 KG per wheel

7. Strength of the Roof

300 KG, distributed over Roof Panel 5MM an area of 300MM x 600MM

8.A. Rigidity (Transverse) 15,240 KG, horizontally, End Frame ** 60MM 10MM

push and pull (diagonal) 8.B. Rigidity (Longitudinal) 7,620 KG, horizontally, Side Frame ** 25MM 7MM push and pull (at Top Fittings)

9. Weatherproofness

By Spray Rack System: 0.5 hour min.

Nozzle Pressure: 1 KG / CM²

Nozzle Diameter: 12.5 MM

Distance from Container Surface to Nozzle: 1.5 M

Remove Speed: 100 MM/SEC

Provide training workshops in the use of equipment to the employees of Hessequa Municipality on delivery of the storage container. The contractor shall bear all costs associated with the provision of any such training workshop and issue certificates weir applicable to the Municipality's employees in respect of training received.

Y	N

MBD 3.1 PRICING SCHEDULE – FIRM PRICES

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

TOTAL TENDER PRICE SCHEDULE		
DISCRIPTION	QUANTITY	PRICING (Vat Inclusive)
STORAGE CONTAINER (FLEX BOX)	2	R
DELIVERY COST		R
GRAND TOTAL (Vat Inclusive)		R

*PLEASE INDICATE DELIVERY PERIOD ON QUOTATION.

DELIVERY TO:

TRAFFIC DEPARTMENT RIVERSDALE
MULDER STREET
RIVERSDALE
6670