

Hessequa Municipality



**MUNICIPAL SUPPLY CHAIN MANAGEMENT
INVITATION TO SUBMIT CLOSED QUOTATION
THE SUPPLY, DELIVERY AND INSTALLATION OF PLAY PARK EQUIPMENT IN
THE HESSEQUA AREA**

RQ Nr: 56855

26 January 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
- 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 02 FEBRUARY 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 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 Andre Hansen
Tel: 028 713 7861 or any Supply Chain Management related enquiries to Ms Carisha Prins at
Tel: 028 713 7974.

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

Steel products	Components	% Local Content
Fabricated Structural Steel	Reinforcement steel, hand railing and I-beams	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%
Wire products	chains	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 27 January 2018; 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 SCM INFO AND REPORTS or at the Supply Chain Management offices at Post Office Building, 19 Main Road, Riversdale.)

MBD 6.2

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 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%20development/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 products</u>	<u>Components</u>	<u>% Local Content</u>
Fabricated Structural Steel	Reinforcement steel, hand railing and I-beams	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%
Wire products	chains	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 27 January 2018.

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 RFQ 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: _____

SPECIFICATIONS:

The equipment must be installed by the successful service provide in the towns Slangrivier and Heidelberg. The specific sites, where the installations shall occur will be indicated by the municipality, once the service provider has been appointed.

Specifications 4 in 1 gym

1. Steel construction, pipework and timber

- 1.1. Unless otherwise directed all pipework shall be Class B galvanised pipe, free of joints and with an internal diameter as specified.
- 1.2. All pipework shall comply with BS 1387/1985 for steel tubes.
- 1.3. All steelwork shall be hot dipped galvanised in accordance with BS 729/1971 and SABS 763/1988. The galvanising process shall penetrate all areas (inside and out) of any tem of equipment.
- 1.4. Tenderers shall note that prior to painting of the finish coat, all iron and steel work, be it galvanised, or black, shall be pre-treated with Calcium Plumbate weldable primer (NS4) or equal approved primer and in accordance with SABS 064/1979 (latest amended edition). At least two final high gloss finish coats (each with a DFT of 30 micron) shall be applied to the colour specified for each item. The primer coat and one coating of the final colour shall be applied in the workshop with the final coat being applied on site. Final coating shall be approved high gloss enamel paint, tenderer to state products and brand.
- 1.5. All open pipe ends shall be fully closed, either by steel capping or sealed crimping and shall be ground smooth. Joints between all pipework shall be mitred. A slight degree of flattening the ends is allowable but this should not exceed 10 mm out of round when measured end on. The intent must be to ensure a profiled end on any pipe which allows a small (+ - 2 mm) acceptable gap for welding when placed in position with its mating component. Multiple welds to fill gaps is not acceptable.
- 1.6. All welds shall be ground smooth, free from blow holes and zinc sprayed.
- 1.7. Any timber used shall be well seasoned, flat Meranti free from knots, cracks or splinters and shall have been treated with raw Linseed oil or equivalent. Timber used for the slide side guides shall be planed smooth.

2. FASTENERS AND ANCHOR BOLTS

- 2.1. All bolts, nuts and washers utilised in the construction of any item of equipment shall be galvanised.
- 2.2. Base plate anchor bolts shall be constructed in an "L" shape or equivalent and only one washer shall be fitted under each anchor nut. No washers, wedges or distance pieces shall be fitted between the concrete base and steel base plate of any item. Anchor bolt size in the bent position, unless otherwise stated, shall be 250 mm long and 16 mm in diameter. All base plate holes shall be drilled as specified on the individual play equipment plans.

- 2.3. After bolting tight, no bolt anywhere on the structure shall protrude more than two thread pitches above the nut. Either these threads are to be filed flat or a sacrificial nut must be used to destroy the thread on tightening. This is to ensure that the nut cannot be loosened by vibration or vandalism. Fasteners will be ground off should they require removal. All base plates shall rest flat and square on the pedestal bases. Bolt threads shall pass completely through the nut.
- 2.4. If sawn off, anchor bolt shall be filed free of burrs and bolts or fasteners to be cold galvanised after installation. These shall be torqued to a torque not less than 65Nm.
- 2.5. Holding down bolts for bearing pedestals shall each be fitted with a lock washer
- 2.6. Where specified locknuts shall be provided.

3. FINISH

The exercise items shall be finished in a colour specified in the picture below.

4. INSTALLATION.

4 – in- One Machine.: Concrete pedestal to be 1500mm x 1500mm x 900mm.
Centre Post 165x4 2100 High Base Plate 10x600x600
Handles on Pull up Chair 48x3 1000 Long
Chair 60x3 support 900 long Meranti 300x400x200x40
Side Twister 60x3 1400 Long Foot Plate 400x350x2
Twister Base Pipe 60x3 600 Long Foot Plates 400 Diameter
Push Chair Middle 60x3 2500 long Handles 48x3 450 long on both Sides
Chair Meranti 300x400x200x40 Foot Plate x2 160x400x2



3 Seater Swing

SPECIFICATION FOR SWINGS

1. LEGS

- 1.1 These shall be of 50 mm diameter pipe inclined at a 65o angle to the ground.
- 1.2 There shall be 2 pairs of stays for the 3 seater swings and 3 pairs of legs 2.9m apart.
- 1.3 The legs shall be joined together at the top by a joint assembly.

2. END STAYS

- 2.1 An end stay, inclined at 65o to the ground, shall be bolted to both the outer leg joint assemblies using 12 mm thick lugs welded to the top flattened end of each stay.

3. ANCHOR BASE PLATES

- 3.1 All legs and stays shall be welded to 230 x 230 x 12 mm base plates each symmetrically drilled to accommodate four 16 mm diameter anchor bolts spaced.

4. CROSS BAR

- 4.1 This shall be a continuous 50 mm diameter pipe held in place by the joint assemblies and shall be 3,3 m above ground level.

5. JOINT ASSEMBLY

- 5.1 This shall consist of three thick walled 70 mm O D pipes, machined to accommodate in a slide fit the 50 mm diameter legs and cross bars, welded to two 6 mm end plates.
- 5.2 A 12 mm weld nut shall be suitably positioned on each of these thick walled pipes to enable satisfactory locking of the legs and crossbar after assembly using 12 mm lock bolts.
- 5.3 The two outer joint assemblies shall each have a 19 mm thick lug welded to its centre pipe for bolting to the end stays.

6. BEARING AND CHAIN

- 6.1 All bearings shall be sealed for life ball bearings mounted in either fabricated steel or cast steel housings which are to be bolted to the crossbar using 12 mm diameter bolts. The bearings shall suit a chain swivel shaft of not less than 12 mm diameter. A grease nipple is to be provided in the bearing housing for greasing of the bearing assemblies.
- 6.2 The swing chain shall be a short link No. 13 galvanised 7,1 mm chain attached to the bearing assembly using a 10 mm galvanised "D" shackle and to the seat using an 8 mm galvanised "D" shackle. Chain length shall ensure that the shackle point of the seat is 1 100 mm above the ground.

7. FINISH

- 7.1 The final paint colour shall be bright yellow.

8. INSTALLATION

8.1 Concrete pedestal bases shall be 300 x 300 x 450 mm deep each set with four 16 mm diameter anchor bolts.

8.2 The tarmac base shall be 4 m wide and exceed the stays by 500mm on each side in length.

SPECIFICATION FOR SWING SEATS (BABY AND CHILD)

The tenderer shall manufacture the swing seats from old motor car tyres and shall comply with the following specifications.

TYRE SEAT

This shall be used 330 mm (13 inch) diameter, cross ply, unretreaded motor car tyre cut to the shape and size as shown on the accompanying drawing. The tyre shall be turned inside out to form a seat as shown and when in this form shall have no bumps or bulges.

No steel capped tyres shall be used.

The tyre used shall not be torn or have any steel beading showing or protruding. All sharp edges shall be cut away or rounded off.

A rain water drain hole, 20 mm diameter, shall be drilled in the centre of the seat so as to ensure proper drainage once the seating is hung.

ATTACHMENTS FOR TYRE SEAT

All attachments shall be of galvanised iron with any sharp edges ground smooth. Bolts and nuts used shall be of the wide headed cup type fitted with flat washers. The hanger bracket shall be of 3 mm galvanised plate and shall be drilled to allow fitting of an 8 mm pin diameter Screw Pin Chain shackle. Each swing seat shall be supplied with two such shackles attached to it.

All nuts shall be locked by peening over the bolt end.

SPECIFICATION FOR SLIDES

All pipework shall be galvanised pipe, prepared as detailed in the "General Specification for Playground Equipment".

1. PLATFORM

1.1 The platform base shall be of 8 mm over 6 mm "Vastrap" steel plate 1 200 x 600 mm in size and shall be reinforced on the underside using 75 x 38 mm channel.

1.2 This platform shall be bolted lengthwise to the slide chute to facilitate attaching the ladder assembly next to the chute.

1.3 Two 50 mm diameter pipe legs, 1.86 m long / 2.5 m long, shall be bolted/welded to the underside of the platform as shown. An end stay leg shall be centrally bolted to the underside of the platform and positioned as shown. A 230 x 230 x 12 mm base plate shall be welded to each leg and drilled to accommodate four 16 mm diameter anchor bolts.

2. HAND RAILINGS

2.1 All hand railings shall be of 25 mm diameter pipe and shall be welded to 25 mm pipe uprights. The platform handrail shall be 760 mm high with the uprights first welded to 50 x 50 x 6 mm steel base lugs and then these lugs welded to the platform.

2.2 The hand railing from the ladder shall be joined to the two platform handrails in a smooth, pinch-free joint. Nine vertical 19 mm diameter uprights and two horizontal 12 mm diameter bars shall be welded, evenly spaced between the platform handrails.

2.3 Both outer and inner hand rails on the platform shall extend down the chute for approximately 1 metre and shall be bent to follow the incline of the slide. Suitable bracing shall be provided.

3. ACCESS LADDER

3.1 This shall be made from 65 x 6 mm flat iron sides having 400 x 100 x 8 over 6 mm 'Vastrap' plate steps welded between them at 175 mm pitch.

3.2 The ladder shall be positioned as shown on the picture.

3.3 Hand railings on the ladder shall be 25 mm pipe. Each rail shall be welded to three 300 mm x 25 mm diameter pipe uprights evenly spaced along the length of the ladder.

3.4 The ladder shall be securely bolted to the platform and anchored at the ground using two 16 mm diameter anchor bolts for each leg. 150 x 150 x 12 mm anchor bases shall be welded to the base of each leg.

4. SLIDING CHUTE

4.1 The chute slide shall be 2,5 mm (12 gauge) sheet steel plate, 3.6 m /5.5 m / 6.4 m long bent as shown on the respective drawings and shall level off to 300 mm above the tarmac base for the last 1,2 m of its length. Any joints shall be fillet welded and ground smooth. This chute shall be sandblasted and zinc sprayed both inside and out after fabrication.

4.2 The slides of the chute shall be 200 mm high for the first 1,8 m from the top and then shall taper to 100 mm over the remaining length.

4.3 The full base sliding surface of the chute shall be covered with 1, 25 mm (18 gauge) 304 stainless steel plate, preferably without joints. If jointing takes place a full weld length, ground smooth, is required. This plate shall be curled around the discharge lip of the steel chute.

4.4 Rivets, running either side and the full slide length, shall attach the stainless steel slide to the steel chute. Prior to fitting the stainless steel slide, a 1 mm thick coating of bitumen sealer compound shall be applied between the steel chute and stainless slide to prevent the ingress of water.

4.5 The slide to platform top joint shall be covered with a 2,5 mm (12 gauge) stainless steel cover plate suitably bent and held in place by 38 x 6 mm flat steel strips countersunk to take 8 mm diameter countersunk bolts, three per side.

4.6 This cover plate shall be 460 mm wide and shall extend 250 mm into the chute and 75 mm on to the platform.

4.7 25 mm thick planed Meranti timber shall be attached on top of the stainless steel slide and against the chute sides. This timber shall be fully coated on all contact surfaces with a bitumen sealer compound and shall follow the shape of steel slide sides. It shall be fastened down, using a minimum of 44 x 6 mm cup headed galvanised bolts for each side. The cup head of each bolt shall be countersunk into the wood, ensuring it to be flush with the wood surface. The bolts shall be peened over at the nut.

4.8 The top edge of the timber shall be covered with a 32 x 5 mm steel strip screwed down using countersunk brass screws at 150 mm pitch. On any curved portion of this strip the screw pitch shall be 50 mm. All edges shall be ground smooth.

4.9 No openings or gaps, however slight, shall exist between the timber and this top strip.

5. SLIDE SUPPORT LEGS

5.1 Two pairs of 50 mm diameter pipe legs shall be bolted to suitable lugs welded underneath the chute.

5.2 The legs shall be positioned 460 mm and 3, 3 m respectively from the discharge end of the chute.

5.3 Anchor base plates shall be 200 x 200 x 12 mm, each symmetrically drilled to accommodate two 16 mm diameter anchor bolts.

6. FINISH

6.1 The final paint colour shall be bright green.

7. INSTALLATION

7.1 Concrete pedestal bases shall be 300 x 300 x 460 mm deep, each set with the appropriate number of 16 mm diameter anchor bolts.



SPECIFICATION FOR 2 seater SEE-SAW

BEAM AND FITTINGS

1.1 The beam shall be a 4,5 m long x 125 mm diameter black steel pipe reinforced at the centre pivot point, welded to a steel rib 1 000 x 50 x 10 mm positioned in a vertical plane to the top and bottom centre line of this pipe. These reinforcing ribs shall be chamfered at 45o at either end and shall have all sharp edges removed. This complete beam assembly shall be hot dipped galvanised after fabrication.

1.2 The beam shall be mounted on a 38 mm bright steel shaft running on two heavy duty plummer blocks with self-aligning pedestal bearings each fitted with easily accessible grease nipples for lubricating.

1.3 A bearing protection cover plate shall be bolted on to a 25 x 6 mm steel frame welded centrally on the beam so as to completely straddle the bearing assembly. This cover plate shall be bent in a square inverted U shape and be suitably braced with cross stays welded to the pipe to ensure rigidity. It shall be made from 16 gauge galvanised sheeting, 450 mm long and folded to provide 250 mm sides. All edges shall be folded over with at least a 12 mm seam to give a smooth edge all round.

1.4 A locking device to lock the beam in either of the fully tilted positions shall be provided, fitted near to the pivot centre.

1.5 The beam shall be closed off 150 mm from the ends with expanding metal mesh.

1.6 Cut and shaped motor car tyre buffers shall be folded over and bolted at either end of the beam.

1.7 Two seats made from 300 x 180 x 25 mm solid Meranti shall be fitted, one behind each Tee hand grip. Seat edges shall be rounded smooth. Each seat shall be bolted to a suitable full size 3 mm steel plate suitably bent and welded to the pipe. The steel plate under the wooden seats should not be bent in a way that it collects water on the inside. Bolts used shall be of the wide cup headed type and shall be positioned so as to make tampering with the nuts impossible.

1.8 Two Tee shaped hand grips, each 230 mm high and 280 mm wide, manufactured from 25 mm galvanised pipe shall be welded vertically, two at either end and along the centre line of the pipe, and spaced 380 mm from the pipe ends. The ends of the hand grips shall be blanked off and ground smooth.

2. CENTRE BEARING SUPPORT

2.1 This shall be designed to accommodate the bearing pedestals and shall be made from four 38 mm diameter galvanised steel pipes welded trapeziodally with the legs spaced approximately 470 mm apart at the bottom and 230 mm at the top.

2.2 Overall height of the beam above ground and in the horizontal position shall be 700 mm.

2.3 The complete structure shall be braced with 38 mm diameter galvanised pipe stays welded horizontally 300 mm above the ground.

2.4 The bearing base plate shall be robustly constructed to prevent failure due to side sway of the beam.

2.5 The legs shall be welded and joined at their base to a 50 x 12 mm steel strip. Eight anchor bolt holes to suit 16 mm diameter anchor bolts shall be symmetrically drilled in this steel base strip.

3. FINISH

3.1 The complete structure shall be finished in blue enamel paint colour.

4. INSTALLATION

4.1 Eight x 16 mm diameter anchor bolts shall be set into a concrete pedestal base 900 x 900 x 1 000 mm deep.

4.2 The tarmac base shall be 5, 5 m x 1,70 m in size with the See Saw centrally positioned.

4.3 Two motor car tyres shall be set into the tarmac base one at either end of the beam to act as bump stops.



Pricing Schedule

<u>Item No</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit Price (Incl Vat)</u>	<u>Total Price (Incl Vat)</u>
1.	Three seat swing set	2		
2.	3.6m Slide	3		
3.	Two seater see saw	2		
4.	Four-in-one Gym set	2		
Total Price Inc Vat				

PLEASE INDICATE THE DELIVERY AND INSTALLATION PERIOD.