

## **SPECIFICATIONS RT57-09-11-01**

### **SPECIFICATION FOR A HEAVY DUTY 3-AXLE SEMI-TRAILER WITH A PAYLOAD OF NOT LESS THAN 30,000KG**

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## **SPECIFICATION FOR AN ABNORMAL LOAD, HEAVY DUTY 3-AXLE SEMI-TRAILER WITH A PAYLOAD OF NOT LESS THAN 30,000KG**

### **NOTES WITH REGARD TO THE COMPLETION OF THE SPECIFICATIONS AND PRICING SCHEDULE**

- A. All tariffs and prices shall **include** value-added tax (VAT).
- B. **Only** the following wording in the response field on information supplied will be accepted:  
**Values (Technical Information)**  
**Yes or No**  
**Conform**  
**Noted**  
**Comply**

## **SPECIFICATION FOR A LOWBED, HEAVY DUTY 3-AXLE SEMI-TRAILER WITH A PAYLOAD OF NOT LESS THAN 30,000KG,**

### **I. SCOPE**

A lowbed heavy duty 3 axle semi-trailer that is road legal when empty, with a payload of not less than **30,000kg**, width of not more than **2.60m** extendable to **3.00m** and a wheelbase of not less than 10.00m and not more than 14.50m. The low bed semi-trailer will be used to transport road construction equipment and must be capable for use on tarred roads and construction sites at maximum permissible speeds. The semi-trailer **MUST** be fitted with an ABS braking system.

The semi-trailer must comply with:

- National Road Traffic Act (NRTA), 1996 (Act 93 of 1996) as amended
- National Road Traffic Regulations (NRTR), 2000, as amended, made under Section 75 of the NRTA
- Comply with Technical Recommendation for Highways (TRH11), Dimensional and Mass Limitations and Other Requirements for Abnormal Load Vehicles.

### **II. TRUCK SALIENT POINTS**

The semi-trailer will be linked and shall be fully compatible to the following truck tractor. **(WITHOUT A DOLLY).**

**The following information will be supplied when order is placed:**

Make	Model
Year Model	G.C.M.
GA <sub>1</sub>	GAU
D/T	Fifth wheel make and model
Fifth wheel Kingpin diameter	Height of fifth wheel face from ground level
Swing from kingpin to winch protrusion	Centre of kingpin to rear overhang
Centre of bogie to rear overhang	
Tyres (Front)	Tyres (Rear)
Electrical system	Connections (lights) 7 Pin trailer connector
Electronic Brake System Connections (ABS System)	EBS Cable
Connections (Brakes – Air system with Suzie hoses)	Suzie Hoses

(In order to enable bidders to compile details of load distribution, the truck tractor is fitted with ramp, roller, winch and fifth wheel)

### III. TRAILER SALIENT POINTS

- |     |  |       |    |
|-----|--|-------|----|
| 1.  | Make   | _____ |    |
| 2.  | Model  | _____ |    |
| 3.  | Year of manufacture  | _____ |    |
| 4.  | Mass of semi-trailer, not to exceed 12 000 kg (Tare)                 | _____ | kg |
| 5.  | State Gross Vehicle Mass (GVM)                                       | _____ | kg |
| 6.  | State rated payload of semi-trailer (not including the 20% overload) | _____ | kg |
| 7.  | <b>State the following dimensions:</b>                               |       |    |
| 7.1 | Deck Width (without outriggers)                                      | _____ | mm |
| 7.2 | Extended Deck Width with outriggers                                  | _____ | mm |
| 7.3 | Track Width  | _____ | mm |
| 7.4 | Deck Length  | _____ | mm |
| 7.5 | Wheelbase  | _____ | mm |
| 7.6 | Overall Length   | _____ | mm |
| 7.7 | Rear Overhang  | _____ | mm |
| 8.  | Type of suspension   | _____ |    |
| 9.  | Kingpin rated mass   | _____ | kg |
| 10. | Tyre Size and ply  | _____ |    |
| 11. | Tyre Load Capacity   | _____ | kg |
| 12. | Country of origin  | _____ |    |

### IV. SEMI-TRAILER

The deck should be flat and level with the ground line, from the base of the goose neck to the rear end of the trailer. A usable deck length approximately 9.90m is required.

The framework and load carrying cross members shall be constructed from high tensile steel (T-1 or equivalent).

The entire deck shall be closed over with mild steel plate as well as two rows of timber covering the whole length of the deck and chequer plate between the timber rows.

Lashing points to be fitted on each side of the semi-trailer.

Space must be provided for lockable toolboxes that shall house the trailer's tools and lashing equipment.

#### 4.1 DECK LENGTH AND PAYLOAD

The semi-trailer shall be designed to carry not less than 30 000kg payloads.

**State:**

- |   |       |    |
|---|-------|----|
| Exact design payload capacity                             | _____ | kg |
| Centre of load from front                                 | _____ | mm |
| Length of deck (approximately 9.90m)                      | _____ | mm |
| Wheelbase (not less than 10.00m and not exceeding 14.50m) | _____ | mm |

#### 4.2 WIDTH OF DECK

The semi-trailer shall not be more than 2.60m wide, that is road legal when empty. Equal sized outriggers must be fitted to both sides of the deck to extend the deck width to maximum 3,000mm. Timber for support on extension outriggers must be stored on the semi-trailer.

**State:**

Deck Width (without outriggers) \_\_\_\_\_ mm

Extended Deck Width with outriggers \_\_\_\_\_ mm

Indicate where the timbers for extensions are stored \_\_\_\_\_

Indicate the method of fastening the timber onto the outriggers \_\_\_\_\_

#### 4.3 HEIGHT OF DECK

The deck height shall allow for a minimum of 150mm movement over the tyres when trailer is attached to truck tractor and fully loaded. When fully loaded the deck must be parallel with the ground line when the rubbing plate rests on the fifth wheel. The deck height shall not be more than 1,300mm.

**State:**

Height of deck \_\_\_\_\_ mm

Movement between deck and tyres \_\_\_\_\_ mm

#### 4.4 REAR OF DECK

Sufficient robust and reinforced form of protection must be fitted to protect the rear end of the trailer when the truck tractor is engaged in winching a dead load on to the trailer. Two manually operated stabilisers must be fitted to support the trailer during rear loading and offloading operation.

Special attention must be given to the space that must be provided for the number plate holder, an abnormal board, a chevron board as well as two speed limitation boards. The Abnormal and Chevron Board must be fitted below the level of the deck and be protected. Space on both sides must be provided for speed limitation boards. These boards must comply with the **NRTA, NRTR** and **TRH11**. The rear overhang must be kept to a minimum.

**State:**

Type of rear protection \_\_\_\_\_

Are two manually operated stabilisers fitted \_\_\_\_\_

Rear overhang of deck \_\_\_\_\_ mm

Are space provided for sign boards \_\_\_\_\_

Placement of Abnormal Board \_\_\_\_\_

Placement of chevron board \_\_\_\_\_

Placement of speed sign boards \_\_\_\_\_

#### 4.5 DECK TIMBER

The deck of the low bed trailer must be covered on both sides, between the main and side beams, with timber of tropical hardwood type or equivalent, securely fixed to the cross members. The width of each rows of timber must not be less than 700mm and cover the whole length of the deck.

Decking of hard timber must not be less than 50mm in thickness and protruding a minimum of 10mm above the level of the steel deck.

**State:**

What timber is used for the decking \_\_\_\_\_

Are the timber fitted on the full length of the deck. \_\_\_\_\_

What is the timber thickness \_\_\_\_\_ mm

How high does the timber protrude above the steel deck \_\_\_\_\_ mm

Width of the timber on each side \_\_\_\_\_ mm

#### 4.6 FRAMEWORK

The framework and load carrying cross members shall be constructed from high tensile steel (T-1 or equivalent) are required

**State:**

Type of steel used: \_\_\_\_\_

#### 4.7 LASHING POINTS

Lashing points with rings of 30mm diameter or D-shackles with a pin diameter of at least 32mm shall be mounted on the outside of the deck for strapping down equipment onto the trailer. The lashing rings must start at  $\pm 600$ mm from the front of the deck and to be spaced approximately 1 metre apart over the entire length of the trailer.

**State:**

Type of lashing points \_\_\_\_\_

Size of rings or D-shackles \_\_\_\_\_

Interval between points \_\_\_\_\_

Number of lashing points \_\_\_\_\_

#### 4.8 SPARE WHEEL STORAGE

A Spare wheel and tyre for the trailer must be provided and mounted on the vehicle in such a manner as not to reduce the load area or to interfere with the loading operation. **It is not to be supplied loose.**

The spare wheel carrier must be lockable and wheel secured with at least two bolts or nuts. **Locks must be supplied with trailer.**

**State:**

Storage location of spare wheel \_\_\_\_\_

Type of spare wheel carrier device \_\_\_\_\_

Is the carrier device of a lockable type \_\_\_\_\_

#### 4.9 TOOLBOX

1. A lockable toolbox (enclosure) shall be supplied between the two diddle beams in the front section of the semi-trailer, below the deck. The toolbox must have a depth no more than 500mm. The toolbox shall be fitted to house the trailer's tools (refer also to "X. 1. TOOLS AND LASHING EQUIPMENT"). **Locks must be supplied with trailer.**

**State:**

Position of toolbox \_\_\_\_\_

Dimensions of enclosure on offer \_\_\_\_\_

Are toolbox lockable \_\_\_\_\_

2. A lockable toolbox (enclosure) shall be supplied on top of the deck, between the two diddle beams at the deep end of the neck to full depth and of length no less than 1 meter. It shall be fitted with a drop-in cover and with handles that drop-in. The toolbox shall be fitted with compartments to house all lashing equipment (refer to "X. 2. TOOLS AND LASHING EQUIPMENT"). Bidders may suggest a suitable alternative if there is difficulty in placing the tool box as requested and in this respect must consult with the Department. **Locks must be supplied with trailer.**

**State:**

Position of toolbox \_\_\_\_\_

Dimensions of enclosure on offer \_\_\_\_\_

Are compartments for lashing equipment fitted inside the toolbox \_\_\_\_\_

Are toolbox lockable \_\_\_\_\_

## V. GOOSENECK

The truck tractor is equipped with a winch, ramp and roller. The trailer must be provided with a suitable nose piece with a suitable hardened pin and the necessary configuration for the use with the winch. Space must be provided for the connecting of cables and air pipes to the truck tractor.

The length of the gooseneck shall not be less than 3.000m not exceeding 4.000m. The height must not exceed 0.800m

Entire deck must be covered with hard timber not less than 50mm in thickness, protruding a minimum of 10mm above the level of the steel deck and securely fixed to the cross members.

The 89mm (3.5inch) drop-in king pin must be compatible with a double oscillating, heavy duty fifth wheel with an 89mm (3 1/2 inch) S.A.E. kingpin size no.2, (Jost JSK 38G-1 or similar).

Lashing points to be fitted on each side of the gooseneck.

Method of operation of lowering the gooseneck must be as per manufacturers design.

### 1. KINGPIN

An 89mm (3.5inch) drop-in king pin shall be provided and must be compatible with a double oscillating, heavy duty fifth wheel with an 89mm (3 1/2 inch) S.A.E. kingpin size no.2, (Jost JSK 38G-1 or similar).

#### State:

Size of king pin \_\_\_\_\_ mm

Rate mass of king pin \_\_\_\_\_ kg

Type of king pin (drop-in) \_\_\_\_\_

Are the king pin compatible with a double oscillating, heavy duty fifth wheel with an 89mm (3 1/2 inch) S.A.E. kingpin size no.2, (Jost JSK 38G-1 or similar) \_\_\_\_\_

### 2. DECK

The length of the gooseneck shall not be less than 3.000m not exceeding 4.000m.

Entire deck must be covered with hard timber not less than 50mm in thickness, protruding a minimum of 10mm above the level of the steel deck and securely fixed to the cross members.

#### State:

Length of gooseneck \_\_\_\_\_ mm

What timber is used for the decking \_\_\_\_\_

Are the deck covered with timber \_\_\_\_\_

What is the timber thickness \_\_\_\_\_ mm

How high does the timber protrude above the steel deck \_\_\_\_\_ mm

### 3. METHOD OF LOADING

The trailer must be provided with a suitable nose piece, hardened pin and the necessary configuration for the use with the winch. An extra pin must be supplied.

#### State:

Are the nose configured for loading with a winch \_\_\_\_\_

Size of loading pin \_\_\_\_\_ mm

Are an extra pin supplied \_\_\_\_\_

#### 4. COUPLINGS

Space must be provided for the connecting of cables and air pipes to the truck tractor. It should be fitted with drain holes to prevent from water collecting. Mount couplings in such a way as to be convenient for easy access and maintenance. All couplings must be equipped with dust proof covers.

**State:**

Are couplings mounted for easy access and maintenance

\_\_\_\_\_

Are couplings equipped with dust proof covers.

\_\_\_\_\_

Are the compartment fitted with drain holes.

\_\_\_\_\_

#### 5. LASHING POINTS

Lashing points with rings of 30mm diameter rod or D-shackles with a pin diameter of at least 32mm shall be mounted on the outside of the deck for strapping down equipment onto the trailer. The lashing rings must start at  $\pm 300$ mm from the front of the deck and to be spaced approximately 0.6 metre apart over the entire length of the deck.

**State:**

State type of lashing points

\_\_\_\_\_

Size of rings or D-shackles

\_\_\_\_\_

State interval between points

\_\_\_\_\_

State number of lashing points

\_\_\_\_\_

#### VI. AXLES AND SUSPENSION

**NB!! NO PNEUMATIC SUSPENSIONS WILL BE ACCEPTED**

The trailer shall be designed and manufactured with three axles. The axles shall be suitable for the payload required. The minimum manufacturer's rated capacity per axle shall be not less than 12,000 kg. The suspension shall be of a leaf spring type mounted on equalizer beams.

Axles shall be suitably mounted with provision for oscillation and shall be properly aligned to prevent scuffing. Suitable stops shall be provided to prevent the tyres from scuffing the underside of the deck.

Stability of the load on the deck of the semi-trailer is very important and it is necessary to provide the maximum axle length. It is, thus, an express condition of this specification that the overall length of axle with tyres on shall be exactly the width of the deck.

A hub-odometer must be fitted to one of the axles.

The hub-odometer must be sealed, tamper proofed, maintenance free and parts made of stainless steel. It must record distances in kilometres, even in reverse gear and display six digits.

**State:**

##### 1. AXLE.

Overall width of axle with wheels attached

\_\_\_\_\_ mm

State minimum rating per axle

\_\_\_\_\_ kg

Are the axles fitted with suitable stops

\_\_\_\_\_

##### 2. SUSPENSION

State type of suspension offered

\_\_\_\_\_

Has each axle adjustment for alignment

\_\_\_\_\_

Are equaliser beams supplied

\_\_\_\_\_

### 3. HUB-ODOMETER.

Make of hub-odometer

Type of hub-odometer

On which wheel are the hub-odometer fitted

Sealed

Tamper proofed

Maintenance free

Parts made of stainless steel

Distances measured in kilometres

Number of digits in display

Recording in reverse gear

## VII. BRAKES

The semi-trailer shall be fitted with service, emergency and parking brakes. The system must comply fully with the requirements of the National Road Traffic Act & Road Transportation Legislation.

SABS approved anti-lock brakes (ABS) system and automatic slack adjusters are to be fitted. ABS System will be connected to the trailer via an EBS Cable. **The ABS system will be linked with the truck tractor and must not work from the trailer's brake lights.**

A dual air-line, fail safe braking system must be provided which acts on all wheels of the semi-trailer. The braking system must be such that failure of pressure in any of the lines will not cause failure to the brakes of the truck tractor and trailer. A load sensing valves **must** be fitted.

Parking/emergency brakes shall operate on the truck tractor rear axles and all semi-trailer's axles. A park brake valve must be fitted to the trailer.

A separate air reservoir with charging valve shall be fitted on the semi-trailer. All brake reservoirs shall be fitted with non-return valves and drain cocks. Air filters must be fitted to the system

Brake pipes shall comply with SABS 1194.

Supply suitably coloured extension hoses (Suzie hoses) with "C" type couplings at each end (one male, the other female).

Mount couplings in such a way as to be convenient both to use and also to maintain (refer also to "Gooseneck"). Couplings to be equipped with dust proof covers.

All brake linings are to be asbestos free.

### State:

Type of brakes supplied

Is it a dual air-line system

Are load sensing valves fitted?

If not, how do you provide for load sensing?

Details of fail-safe system:

Operating on which wheels?

Is a parking brake valve fitted?

Operating on which axles?

Are a SABS approved anti-lock (ABS) braking system fitted?

Type of ABS system supplied



Are automatic slack adjusters fitted?	_____
Are an air reservoir fitted?	_____
Are reservoirs with non-return valves and drain cocks fitted?	_____
Are air filters fitted?	_____
Are Suzie-hoses supplied (set)	_____
Are couplings equipped with dust proof covers?	_____
Is the brake linings asbestos free?	_____

## VIII. **TYRES**

The tyres fitted **shall be readily available in South Africa** with adequate capacity, on manufacturer's rating, to carry the load imposed when the combination is loaded to full capacity

The tyres to be supplied shall be 275/75 R 22.5 – 14 ply rating. They shall be suitable for use both on and off highway and shall be of radial construction.

### **State**

Size of tyre	_____
Ply rating of tyre	_____
Load capacity of tyre	_____
Type of thread	_____
Recommended inflation pressure	_____
Are these tyres readily available in S.A.	_____

## IX. **ELECTRICAL**

The semi-trailer shall operate on a 24-voltsystem. All electrical wiring must be executed in a neat and proper manner and protected against scuffing.

A 7 Pin female trailer connector shall be fitted in such a way as to be convenient both to use and also to maintain (refer also to "Gooseneck")

All lights shall be mounted on robust brackets (where applicable) and be well protected

LED-type lights and direction indicators (separate and not combination) shall be fitted in accordance with the requirements of the Road Traffic Act (Act 29/1993 as amended) and SABS 1046.

A reversing siren must be fitted at the rear end of the trailer, working with the truck-tractor.

### **State**

Voltage of electrical system	_____ V
Type of lights fitted	_____
Are lights fitted well protected	_____
Is Suzie-cable supplied	_____
Does electrical system comply with the above	_____
Are a reverse siren fitted	_____

## **X. TOOLS AND LASHING EQUIPMENT**

Lockable type toolboxes (refer also to "Semi-Trailer") shall be fitted to house the trailer's tools and lashing equipment. **Locks must be supplied with trailer.**

The Department desires that general-purpose tools and lashing equipment, as listed below, must be supplied with the trailer. The hydraulic jack must be of adequate capacity to lift any axle under full load.

### **1. GENERAL TOOLS**

<u>Type</u>	<u>Quantity</u>	<u>Response</u>
a.) Foot Ghries pump	1	_____
b.) Jack	1	_____
b1.) Jack capacity		_____T
c.) Wheel Spanner	1	_____
d.) Tri-Angel	1	_____
e.) Kingpin Inspection Plate	1	_____

### **2. LASHING EQUIPMENT**

a.) Chain with hook (8m)	8	_____
b.) Lever Type Load Binder (Satan)	8	_____
c.) D-shackles	10	_____

## **XI. MANUALS SPAREPARTS LIST**

1. All manuals and spares lists must be printed in English. \_\_\_\_\_
2. The above-mentioned books must cover the complete machine as ordered, e.g. the basic machine as well as the specific attachments and sub-assemblies supplied with the machine. \_\_\_\_\_
3. The operator's manual, spare parts lists and workshop manuals must be bounded separately. \_\_\_\_\_
4. The trailer shall, at the time of delivery be supplied with:
  - 4.1 One copy of operator's instruction manual. \_\_\_\_\_
  - 4.2 One copy of spare parts book or spares list. \_\_\_\_\_
  - 4.3 One copy of workshop manual. \_\_\_\_\_
  - 4.4 In addition to the above, one set of the above are to be forwarded to the End-User of the equipment supplied. \_\_\_\_\_
  - 4.5 Note: Bidders must indicate if the manuals, spare parts lists etc. can be obtained in IT format i.e. Computer disc etc. \_\_\_\_\_
5. Bidders **must** ensure that the manuals include the details, viz., part numbers, drawings, maintenance guides, etc., of all "add on" components. \_\_\_\_\_

## **XII. GENERAL REQUIREMENTS**

### **1. PAINTING**

- 1.1 The machine shall be painted Golden Yellow (SANS 1091 - 2004, B49) or BSS equivalent. Durable paint of the best quality must be used.

**NB:** No other colour will be accepted.

- 1.2 The underside of the trailer as well as other areas likely to be hit by flying stones must be coated with chassis-black or similarly treated.

- 1.3 Grease nipples to be encircled with **red paint**.

### **2. DRAWINGS**

Drawing showing all dimensions of machine offered shall be supplied with bid documents.

An outline drawing shall show clearly outline dimensions of the trailer on offer and the load distribution point.

### **3. DECALS AND NUMBER PLATES**

A set of Decals and Steel Number Plates shall be fitted to the semi-trailer before delivery of the machine takes place. The information will be supply during the pre-delivery inspection.

A number plate bracket or holder must be fitted to the rear of the semi-trailer. This must be suitably illuminated.

#### **State**

Is a number plate holder fitted?

### **4. LICENSE DISC HOLDERS**

A set of licence disc holders must be fitted.

Are disc holders fitted?

### **5. SIGN BOARDS**

The following sign boards shall be fitted at the rear end of the semi-trailer: Abnormal Board, Chevron board and Speed Signs. All boards and signs must comply with the NTRA, NRTR and TRH11.

#### **5a. ABNORMAL BOARD**

An abnormal vehicle warning board must be displayed at the rear ends of the abnormal vehicle. It must be permanently fitted below the level of the deck and well protected. The abnormal vehicle warning board must be at least 2 000 mm wide and 300 mm high. The background of the warning face of the board must be white. The warning face must bear the word "ABNORMAL" in red retro-reflective letters of the modified series E letters, at least 200 mm high. The material used in the manufacturing of the board must comply with the relevant requirements as specified in South African National Standard SANS 1329 "Retro-reflective and fluorescent warning signs for road vehicles, Part 2: Abnormal load vehicle signs".

#### **State**

Does the Abnormal Board comply with all standards

Fitment of Abnormal Board

Is the Abnormal Board well protected

#### **5b. CHEVRON BOARD**

A Chevron Board must be permanently fitted below the level of the deck and well protected. The chevron sign must comply with the requirements referred to in standard specifications SABS 1329 'Retro-reflective and Fluorescent Warning Signs for Road Vehicles', Part 4: "Retro-reflective chevron-signs" and Part 5: "Retro-reflective chevron decals";

#### **State**

Does the Chevron Board comply with all standards

Fitment of Chevron Board

Is the Chevron Board well protected

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5c. SPEED RESTRICTION BOARD

Speed Restriction Boards are required and must be fitted above the warning board at the rear of the vehicle. Such signs shall comply with the requirements for a type H sign as specified in South African National Standard SANS 1329 "Retro-reflective and fluorescent warning signs for road vehicles", Part 3: "Signs other than triangles, chevron signs and abnormal load vehicle signs".

The sign board holders must be removable from the semi-trailer. It should be possible to change the speed signs within the holder to the prescribed speed limitation of the load.

The following speed signs must be supplied: 30, 40, 50, 60, 70 and 80 respectively.

State

Are speed signs holders removable

---

Are speed signs interchangeable

---

Place of fitment of speed sign holders?

---

5d. FLAGS

Flags must be placed at the extreme corners of the vehicle or load, must measure at least 600 mm x 600 mm and be free to flutter.

State

Are flags fitted to the semi-trailer?

---

6. ESCORT VEHICLE ABNORMAL BOARDS

**Two vehicle abnormal boards must be supplied with the semi-trailer.**

The warning board with two warning faces must be at least 1 200 mm long by 400 mm high. The background of the warning faces of the board must be white.

The warning faces must bear the words "ABNORMAL LOAD AHEAD" in retro-reflective red modified series E letters, at least 120 mm high. The material used in the manufacturing of the board must comply with the relevant requirements as specified in South African National Standard SANS 1329 "Retro-reflective and fluorescent warning signs for road vehicles, Part 2: Abnormal load vehicle signs". The warning board must be removable, collapsible or coverable and must not obscure the amber flashing lights.

Amber lights must be fitted on top of the escort vehicle abnormal board

The visibility distance of the amber flashing lights shall be 150 m as specified in Regulation 158(2) of the NRTR.

Removable flags must be placed on both sides of the boards, measured at least 600 mm x 600 mm and be free to flutter.

State:

Are two Escort vehicle abnormal boards supplied?

---

Does the escort vehicle abnormal board comply with all standards?

---

Are amber lights fitted to the Escort vehicle abnormal boards?

---

Are flags fitted to the Escort vehicle abnormal boards?

---

7. **PLATES TO INDICATE CENTRE OF LOAD**

On both sides of the semi-trailer fit brass plates with an arrow clearly showing the centre of the load with the words "CENTRE of LOAD".

**State:**

Are plates fitted on both sides of trailer? \_\_\_\_\_

**XIII. INSPECTION**

1. Before any goods are delivered, it must be inspected by the End-User. \_\_\_\_\_
2. The contractor shall arrange with the appointed inspector(s) of the End-User to carry out an inspection of any proto type models. \_\_\_\_\_
3. During the inspection all decisions taken shall be recorded and subsequent units supplied shall be identical to the proto type. \_\_\_\_\_
4. A list of requirements and other decisions taken during the inspection duly signed by the End-User's inspector and by the contractor's representative. A signed copy shall be retained for reference by the contractor and will constitute authority for supply subsequent units in the form agreed upon. \_\_\_\_\_

**XIV. COMMISSIONING AND TRAINING**

1. In the case of trailer which require specially trained operators or which require technical knowledge for making adjustments for every day operation, the following services must be supplied:
  - 1.1 The supplier's operator must off-load and park the trailer at the End-User's first delivery site as stated. \_\_\_\_\_
  - 1.2 The supplier's serviceman and operator must be present at the first delivery site as stated to give the necessary service and operation instruction. \_\_\_\_\_
2. Training
  - 2.1 The successful bidder shall provide training for operators and mechanical personnel, free of charge, before and after commissioning. \_\_\_\_\_

**XV. SERVICING DURING WARRANTY**

1. The bidder must furnish a complete schedule of preventive maintenance recommended for the trailer and the hours worked/distance travelled when this must take place. \_\_\_\_\_

**I/WE DECLARE THAT THE INFORMATION SUPPLIED IS CORRECT AND UNDERSTAND THAT THE OMISSION OF INFORMATION OR MISLEADING INFORMATION MAY RESULT IN DISQUALIFICATION OF THE BID**

**SIGNATURE OF BIDDER:** \_\_\_\_\_ **DATE:** \_\_\_\_\_ **20** \_\_\_\_\_

## XVI. PRICING SCHEDULE

### THIS FORM MUST BE COMPLETED IN FULL

#### NOTE: PRICES SHALL INCLUDE VAT

##### A. Optional Extras: (EXCLUDING THE ONCE'S SUPPLIED WITH THE EQUIPMENT)

- |   |               |
|---|---------------|
| a. Operators Manual                     | R _____, ____ |
| b. Spare Parts Manual                   | R _____, ____ |
| c. Compact Disc Catalogue               | R _____, ____ |
| d. Workshop Manual                      | R _____, ____ |
| e. Tools (Specify on additional Sheet.) | R _____, ____ |

##### B. Equipment Offered.

- |  |       |
|--|-------|
| 1. Make  | _____ |
| 2. Model   | _____ |
| 3. Country of Manufacture  | _____ |
| 4. Percentage preference claimed for local content of material/equipment   | _____ |
| 5. Is this offer strictly to specification?  | _____ |
| 6. If not to specification, <b>State</b> deviations of specifications above on a separate page where applicable. | _____ |
| 9. Period required for delivery after receipt of order.  | _____ |

I certify that the information stated by me in the compilation of the schedule may at any time be compared with actual figures, and should any serious discrepancies be discerned, the End-User is at liberty to return the equipment supplied and take any action deemed necessary in terms of Central Supply Chain Management Regulations.

SIGNED: \_\_\_\_\_  
(On behalf of Firm Bidding)

NAME: \_\_\_\_\_  
(In block letters)

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CODE: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

CELL PHONE: \_\_\_\_\_

E-mail Address: \_\_\_\_\_