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## **ADDENDUM TO BIDDING DOCUMENT**

### **PURCHASE OF SHOES BLACK RUBBER FOR THE SRI LANKA AIR FORCE – YEAR 2017 TENDER IDENTIFICATION NO. (AHQ/16/PUB/CLO/1016)**

1. With reference to the enquiry made under the above tender, this addendum is issued by the Sri Lanka Air Force to amend the Set of Specifications provided in 'Section V of the Bidding Document' as follows;

a. **Section V – Technical Specifications**

The set of specifications provided in Annex 'A' hereto shall replace the Specifications set out in Section V of the bidding document referred above and shall form an integral part thereto.

2. Should you need any clarifications, you may contact the undersigned on Tel. 011 2335468/ 011-2441553.

01 February 2017

**-Signed-**  
**(HMMSB HERATH)**  
Group Captain  
**CHIEF PROCUREMENT OFFICER**

**ADDENDUM TO BIDDING DOCUMENT**

**SPECIFICATION FOR AIRMEN SHOES BLACK RUBBER**

1. **DESIGN FEATURES**



Derby style, plain front 3-eyelet gent's full lined leather shoe with lace to match – Colour – Black. Shoes to be made by the welted, veldschoes, on broad fitting lasts with the medium to round toe shapes. Sizes 6 to 13.

2. **UPPER**

a. **Upper Material**

**Chrome tanned leather: Embossed leather upper shall be strong, smooth and free from brittleness and tenderness and shall be free from bad scars arid bacterial damage. Upper leather should be cow hide full grain & water resistant. Thickness – 1.6 mm - 1.8 mm**

b. **Lining**

Quarters - out of vegetable tanned, semi chrome or chrome re – tanned cow hide or goat skin leather of thickness 1 – 1.1 mm Vamp – out of cotton drill – unbleached.

c. **Stitching**

Upper top line to be folded. Upper stitching with black colour Nylon, other synthetic or combined synthetic / Natural fiber industrial sewing thread of No 30 Size.

d. **Eyelets and lacest**

Eyelets – out of Brass / Aluminium / Steel with a coating of corrosion resistant material – colour bank – 3prs. **Rounded laces** to be out of Nylon or other synthetic yarn and braided fitted with plastic or metal tips – length minimum 18” inches

e. **Upper Reinforcement**

Toe puff and counter reinforcement to be of vegetable tanned leather/plastic impregnated fabric / solvent softening bonder fiber.

f. **Top cap – Made out of minimum 3mm thickness plain leather**

3. **CONSTRUCTION**

Shoes to be made by employing any one of the following constructions

- a. Welted (ie. With a welt sewn to the insole and the sole stitched to the welt)
- b. Veldschoes (ie. With upper turned out and lasted on the sole at the feather edge) or the upper and middle sole stitched to gather and cemented to the out sole.
- c. Direct Moulded (ie. Sole directly moulded and vulcanized to the shoes bottom)
- d. Direct injection Moulded (ie. Sole directly indication moulded to the shoe (Bottom).

4. **BOTTOMS**

a. Components for welted construction

- |              |   |  |
|--------------|---|--|
| Insole       | - | Out of vegetable tanned leather or leather board with a rib thickness 2.5 - 3.0 mm   |
| Welt         | - | Curried welting leather, substance 2.0 – 2.5 mm  |
| Through Sole | - | Out of leather, or suitable synthetic polymeric material of minimum thickness 2.5 mm.  |
| Out Sole     | - | Out of rubber or other synthetic polymeric material or PVC with heavy tread pattern - thickness - race 5.0 mm (min) - cleats - 3.0 mm. |
| Heel         | - | Height 25 mm (Minimum) Total   |

**Rubber soling material characteristics**

- |                        |   |  |
|------------------------|---|--|
| Hardness               | - | Shore A 65 - 70  |
| Resistance to abrasion |   | 155 mm (DIN 53546)   |
| Flexing (De – Mettia)  |   | No Crack after 30,000 cyeles.                                      |
| In sock                | - | Through or ¾ insock out of leather of soft P.V.C or P.U. material. |

b. Components for Veldtschoen Construction

Middle sole/ through sole – double layered – inner of vegetable tanned leather – thickness 2.5 mm – 3.0 mm. Outer of rubber or suitable synthetic polymeric material of minimum thickness 2.0 mm.

- Out sole - Out of rubber or synthetic polymeric material with heavy tread pattern – thickness. Base 5.0 mm cleats – 3 mm (Minimum)
- Heel - Out of rubber and combined with sole thickness – 25 mm (Total)

Rubber soling material characteristics:-

- Hardness – Shore A 65-70
- Resistance to abrasion 155 mm (DIN 53546)
- Flexing (De-Mettia) – No crack after 30,000 cycles
- In sock - Though or  $\frac{3}{4}$  insock out leather or soft PVC or PU material

c. Components for Direct Moulded and Direct inject moulded Constructions.

- Insole - Out of vegetable tanned leather or leather board thickness 2.5 mm – 3.0 mm
- Sole & Heel - Out of natural rubber or synthetic rubbers or a suit blend synthetic polymeric material with a heavy tread pattern.
- Thickness base - 6.0 mm – cleats – 4 mm (Minimum)
- Heel - Height (Total) 25 mm

Rubber soling material characteristics :-

- Hardness – Shore A 65-70
- Resistance to abrasion 155 mm (DIN 53516)
- Flexing (De-Mettia) – No crack after 30,000 cycles
- Insock - Though or  $\frac{3}{4}$  insock out leather or soft PVC or PU material

5. **FINISHING & PACKING**

Each Pairs of shoes black rubber s shall be packed in cardboard boxes with size label.

6. **QUALITY CONFORMITY**

a. Veldtschoen Construction with cemented sole – Requirement of adhesion.

Combination of Components	Shear Strength Map Min Wet		
	Dry	Wet	Aged
Leather or Rubber	1.80	1.80	1.15
Rubber to Rubber	1.60	1.30	0.05

- b. Direct Moulded and Direct Injection Moulded.  
Sole - Requirements -  
No visible parting of bottom from upper at a load of 25 Kg. At Toe and 30 Kg.  
At the sides and heel seat when tested for adhesion in accordance with procedure  
in Annex – B LS – 1124 – 1993.

**7. MARKING**

Each Pairs of shoes black rubber shall be clearly and indelibly marked with the following.

- a. Name of the manufacturer
  - b. Size
  - c. Year of the manufacturer or SLAF order number.
  - d. Use instruction and any other information required by the purchaser.
8. Warranty/Guaranty - Minimum 06 months
9. Delivery period, brand name and country of origin to be indicated

**Note;**

- a. **Sample shoes black rubber pair to be submitted along with the offer, unless quotation will be rejected.**
- b. **You may inspect the sample (Design, type & colour) available at Command Procurement Division, (Tender Section) Sri Lanka Air Force Station, Colombo during the bidding period.**