

Department of Contracts  
Notre Dame Ravelin  
FLORIANA

To Ministries, Heads of Departments  
and Parastatal Bodies

13 May 2014

### **SUPPLY OF SUMMER SHIRTS - 2014**

- 1 Ministries and Heads of Department are hereby informed that the contract for the supply and delivery of Summer Shirts to Messengerial Staff/Security Guards to entitled personnel in Ministries, Government Departments and Parastatal Bodies has been awarded to the following contractor at the rates shown hereunder. Prices are inclusive of all charges and taxes including 18% VAT.

Astor Co Ltd  
Astor House  
St Julian's Road  
BIRKIRKARA  
Tel: 2144 7309  
Fax: 2149 8291  
Email: astor@maltanet.net  
VAT: 1329-3526

<b>Item</b>	<b>Unit Price for all colours</b>
Male Summer Shirts	<b>€11.22</b>
Female Summer Shirts	<b>€11.22</b>

2. Payments can be made direct to contractor.
3. This contract shall run up to the 31 October 2014.
4. The attention of Heads of Department and Parastatal Bodies is drawn to OPM Circular No. 100/87 and MPO Circular No 38/96 dated 20<sup>th</sup> May, 1996

informing them of entitlements and frequency of issue regarding items of wear to entitled personnel.

5. Heads of Department are to ensure that the contractor shall sew a label on the inside of each shirt bearing the letters "GM", the contractor's name and the year of manufacture.
6. Heads of Department are to note that samples of the uniforms purchased should at their discretion be submitted for testing at the Malta National Laboratory, San Gwann in order to ensure compliance with the published specifications.
7. This contract is also governed by the usual "General Conditions for the Supply of Goods and Materials under a Running Period Contract."

A Cachia  
Director General (Contracts)

## TECHNICAL SPECIFICATIONS

Lot 1 - Male Summer Shirts - Collar Size 35 to 54.

Lot 2 - Female Summer Shirts - Collar Size 34 to 45.

### Technical Specifications for both Lots.

1) The Shirts are to be manufactured in colours Light Grey; Light Blue and White with a stiff collar, short sleeves, with comfortable arm hole, shoulder flaps for epaulettes, double shoulder yoke, box pleat at the back and two breast pockets with flaps and buttons.

2) The material to be used in the manufacture of the shirts shall conform to the following requirements:-

Type of Material - Pre-shrunk cotton (min 30% max 40%) the rest polyester.

Weight/g/m - 102 min, 110 max.

Filling % - 0.5% max.

Threads/cm

Warp - 42 min.

Weft - 28 min.

Shrinkage % (Water Relaxation)

Warp - 0.5% max.

Weft - 0.5% max.

Composition - Cotton/Polyester Mixture

3) The contractor shall sew on the inside of each shirt a label bearing the letters 'GM', size, the name of the contractor and the year of manufacture of shirt.

#### 4) Pesticides.

For products made from cotton or other natural cellulosic fibres, the final product shall not contain more than 1ppm (parts per million) in total of the following substances:

2,4,5-T	Hexachlorobenzene
Aldrin	Hexachlorocyclohexane, $\alpha$
Captafol	Hexachlorocyclohexane, $\beta$
Chlordane	Hexachlorocyclohexane, $\delta$
Chlordimeform	Metamidophos

DDT	Monocrotophos
Dieldrin	Parathion
Dinoseb and salts	Parathion-methyl
Endrine	Propethamphos
Heptachlor	Toxaphene

**5) Dyes classified as sensitising/allergenic, carcinogenic, mutagenic or toxic to Reproduction.**

The following dyes shall not be used in the final product:

C.I. Basic Red 9 080	C.I. 42 500	C.I. Disperse Orange 1	C.I. 11
C.I. Acid Red 26 005	C.I. 16 150	C.I. Disperse Orange 3	C.I. 11
C.I. Basic Violet 14 700	C.I. 42 510	C.I. Disperse Orange 11	C.I. 60
C.I. Direct Black 38	C.I. 30 235	C.I. Disperse Orange 37	
C.I. Direct Blue 6	C.I. 22 610	C.I. Disperse Orange 76	
C.I. Direct Red 28 37)	C.I. 22 120	(previously designated Orange	
C.I. Disperse Blue 1 110	C.I.: 64 500	C.I. Disperse Red 1	C.I. 11
C.I. Disperse Blue 3 015	C.I. 61 505	C.I. Disperse Red 11	C.I. 62
C.I. Disperse Blue 7 210	C.I. 62 500	C.I. Disperse Red 17	C.I. 11
C.I. Disperse Blue 26 345	C.I. 63 305	C.I. Disperse Yellow 1	C.I. 10
C.I. Disperse Blue 35 855		C.I. Disperse Yellow 3	C.I. 11
C.I. Disperse Blue 102 375		C.I. Disperse Yellow 9	C.I. 10
C.I. Disperse Blue 106		C.I. Disperse Yellow 39	
C.I. Disperse Blue 124		C.I. Disperse Yellow 49	
C.I. Disperse Brown 1			

**6) Arylamines.**

The final product shall not contain the following arylamines:

4-aminodiphenyl	(CAS no. 92-67-1)
Benzidine	(CAS no. 92-87-5)
4-chloro-o-toluidine	(CAS no. 95-69-2)
2-naphthylamine	(CAS no. 91-59-8)
o-amino-azotoluene	(CAS no. 97-56-3)
2-amino-4-nitrotoluene	(CAS no. 99-55-8)
p-chloroaniline	(CAS no. 106-47-8)
2,4-diaminoanisol	(CAS no. 615-05-4)
4,4'-diaminodiphenylmethane	(CAS no. 101-77-9)

3,3'-dichlorobenzidine	(CAS no. 91-94-1)
3,3'-dimethoxybenzidine	(CAS no. 119-90-4)
3,3'-dimethylbenzidine	(CAS no. 119-93-7)
3,3'-dimethyl-4,4'-diaminodiphenylmethane	(CAS no. 838-88-0)
p-cresidine	(CAS no. 120-71-8)
4,4'-methylene-bis-(2-chloraniline)	(CAS no. 101-14-4)
4,4'-oxydianiline	(CAS no. 101-80-4)
4,4'-thiodianiline	(CAS no. 139-65-1)
o-toluidine	(CAS no. 95-53-4)
2,4-diaminotoluene	(CAS no. 95-80-7)
2,4,5-trimethylaniline	(CAS no. 137-17-7)
4-aminoazobenzene	(CAS no. 60-09-3)
o-anisidine	(CAS no. 90-04-0)

#### 7) Flame retardants.

The following flame retardants shall not be used in the final product:

PBB (Polybrominated biphenyls)	CAS no. 59536-65-1
pentaBDE (Pentabromodiphenylether)	CAS no. 32534-81-9
octaBDE (Octabromodiphenyl ether)	CAS no. 32536-52-9

#### 8) Pentachlorophenol and tetrachlorophenol.

For products made from cotton or other natural Cellulosic fibres, the final product shall not contain more than 0.5 parts per million) of pentachlorophenol.

#### 9) Phthalate softeners.

For products that come into direct contact with the skin the following phthalate softeners shall

not make up more than 0.1% by weight of the final product:

DEHP (Di-(2-ethylhexyl)-phthalate)	CAS no. 117-81-7
BBP (Butylbenzylphthalate)	CAS no. 85-68-7
DBP (Dibutylphthalate)	CAS no. 84-74-2

#### 10) Formaldehyde.

The amount of free and partly hydrolysable formaldehyde in the final product shall not exceed 70 ppm for products that come into direct contact with the skin and 300 ppm for all other products.

#### 11) Heavy metals

The amount of Cadmium (Cd), Chromium (Cr), Nickel (Ni), Lead (Pb), Copper (Cu) in the final product shall not exceed:

Cadmium (Cd): 0.1 ppm
Chromium (Cr): 2.0 ppm
Nickel (Ni): 4.0 ppm
Lead (Pb): 1.0 ppm
Copper (Cu): 50.0 ppm