

RESTRICTED

(DP-5)

INSPECTORATE OF GENERAL STORES & CLOTHING DHAKA CANTONMENTSPECIFICATION NO. IGS&C/GS/1011 DT: 06 SEP 2017 DRAWING NO BD-GS-PD-1699 (A, B & C)VOCAB SECTION: J-2CAT/PART NO. BJB-0021NOMENCLATURE: CONTAINER PORTABLE

(In supersession of previous specification no I G S & C/GS/868 & drg no BD-GS-PD-1598 (A & B) Date 17 May 2016)

1. Basic Materials

Name of Component	Material
Bowl, Lid, Carrier & Bottom Sheet	SS304 (food grade metal)
Plastic lid	Plastic (food grade)
Buckle of carrying bag	Stainless steel
Thickness sheet of bowl & double layer lid	0.50 ± 0.02 mm
Thickness sheet of single layer lid	0.40 ± 0.02 mm
Thickness of bottom plate	0.50 mm
Thickness of plastic lid	2 mm

2. Filling Materials

Filling Material of Bowl & double layer Lid (Inner of two wall)	Good quality Polyurethane spray foam type heat insulation material
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3. Material of Carrying Bag

a. Cloth	
Cloth of outer fabric	PVC cotted Polyester cloth
Cloth of inner fabric	Aluminium film PVC insulated
Type of weave of outer fabric	2/2.... Plain
Wt/sq Metre (GSM)	
(i) Outer fabric	500 ± 25 gm
(ii) Inner fabric	210 ± 10 gm
No of threads/2.54 cm (Outer fabric)	
(i) Warp	26/27 Nos double
(ii) Weft	18/19 Nos double
Denier of yarn of Outer fabric:	
(i) Warp	1600 ^d
(ii) Weft	1600 ^d
Tensile Strength in kg (BG 5cm×20cm) (ISO: 13934-1) of outer fabric:	
(i) Warp	200 ± 5 (Approx)
(ii) Weft	150 ± 5 (Approx)
Colour of outer fabric	Ripe olive green (Pantone colour code 18-0316 TCX)

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Name of Component	Material
b. Strap (5.08 cm)	
Material of strap	Polyester
Wt/metre	65 ± 5 gm
Type of weave	Herring bone
Tensile Strength in kg (ISO: 13934-1)	650 (Min)
No of warp threads in full width	435 Nos each 3 Ply
No of weft threads/2.54 cm	42/43 Nos double each 3 Ply
Denier of yarn	
(i) Warp	300.0 ^d × 3
(ii) Weft	300.0 ^d × 3
Colour of strap	Ripe olive green
Dye-fastness to Washing Test No-2. (ISO 105 CO2)	Grey scale rating better than-4
Dye-fastness to Sunlight test (48 hrs) (ISO 105 BO2)	Grey scale rating better than-4
Material of cord used at piping	PVC Cord
c. Stitching	
Material	Polyester
Construction of threads	02 Ply
No of stitch/2.54 cm	11 ± 1 Nos
d. Foam	
Material	Good quality heat insulated foam
Wt/sq metre	100 ± 5 gm
e. Zipper/Chain	
Material	Nylon
Runner	Best quality Stainless steel (Brand YKK, R-ROMAR-Zipper no-10)
Colour	Ripe olive green
f. PU/PVC Board	
Material	Polyethylene or PVC
Colour	Olive Green/Black

4. Dimensional Measurements

Name of Component	Size/Dimension
a. Container (Bowl)	
Height of Container (Without carrier)	43.50 cm
Total height with carrying case	45.0 cm
Height of bowl at outer	8.0 cm
Height of bowl at inner	6.70 cm
Outer dia of bowl at top	22.80 cm
Inner dia of bowl at top	21.60 cm

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Name of component	Size/Dimension
Bottom dia of bowl	21.60 cm
Bottom dia of bowl at engraved portion	14.90 cm
Inner dia of bowl at bottom of embossed portion	12.50 cm
Depth of bowl at bottom from below side	0.70 cm
Depth of bowl at bottom from side	0.50 cm
Height of extra portion of bowl at top	1.30 cm
Total nos of bowl	05 nos
Depth of bottom engraved part at center of bowl	0.20 cm
No of bowl wall	02 wall
b. Double Layer Lid	
Dia of lid at top portion	22.80 cm
Top cap height at center	0.25 cm
Depth of engraved portion at inner from side	0.50 cm
Depth of engraved portion at inner from bottom (Thread system)	0.80 cm
Dia of top cap portion at center	6.20 cm
Depth of first stage from side	0.40 cm
Width of first stage at side	1.60 cm
Total no of stage	05 nos
No of top lid wall	02 wall
No of top lid	01 no
No of Army monogram at top center	01 no
Dia of Army monogram at top center	4.0 cm
Height of letter (Bangladesh Army)	0.25 cm
Length of sword of monogram	3.6 cm
Size of Shapla	8.5 x 11.5 cm
c. Single Layer Lid	
Total no of single layer lid	04 nos
Dia of lid at top portion (Outer)	22.60 cm
Height at side	0.90 cm
Depth of engrave portion from bottom	0.20 cm
Dia of centre circle at top side	9.10 cm
Width of engraved portion at top side	1.30 cm
d. Plastic Lid	
No of lid	04 Nos
Dia of lid (upper portion)	23.20 cm
Height of wall (upper portion)	0.06 cm
Thickness of wall (upper portion)	2 mm
Dia of lid at top (Inner)	21.50 cm
Height of wall at side	1.50 cm
Dia of inner circle at bottom	21.80 cm
Height of wall (inner side)	0.90 cm
Thickness of wall (inner side)	2 cm
Distance between outer and inner wall	0.70 cm

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Name of component	Size/Dimension
e. <u>Carrier</u>	
Thickness of stick/rod	0.45 cm
No of stick of carrier each side	02 nos
Distance between two sticks (out)	14.50 cm
Height of side stick	45.0 cm
Size of plate (SS sheet) used at bottom portion of carrier	19.50 X 12.50 cm
No of handle	02 Nos
Length of handle	12.50 cm
Height of handle	6.30 cm
No of lock used at carrier	02 nos
Size of lock	9.50 x 5.7 x 1.5 cm
No of ball used at lock	01+01=02 nos
Dia of ball	0.90 cm
f. <u>Carrying Bag</u>	
Height of carrying bag	46.0 cm
Dia of top	26.0 cm
Dia of bottom	26.0 cm
No of strap both side attached with body	2+2=4 nos
Length of both side cross strap attached with body	117+105 cm
No of strap for carrying	01 no
Length of strap used to carry the container portable	140.0 cm
Width of strap	5.08 cm
No of one way SS buckle used at strap of body	2 nos
No of two way SS buckle used at strap to carry	01 no
Size of one way SS buckle	6.0 cm x 2.0 cm x 0.45 cm
Size of two way SS buckle	6.0 cm x 3.0 cm x 0.45 cm
No of zipper used at cover	01 no
Length of zipper used at cover	71 cm
Size of without zipper portion of flap	6.70 x 2.50 cm
No of runner used at zipper	02 nos
Dia of piping used at top & bottom of bag	0.35 cm
Circumference of strap at top portion of the bag	82.0 cm
Width of strap	5.08 cm
No of row at stitching	04 nos
g. <u>PU/PVC Board</u>	
Dia of board	25 cm
Thickness of board	2.0 mm (Min)
h. <u>Foam Pad Used In Handle</u>	
Length of foam pad	18 cm
Width	7.0 cm
Thickness	6.0 mm (Min)
Width of piping tape used at foam pad	2.0 cm (Min)

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5. Weight

Name of component	Size/Dimension
Weight of bowl (5 nos)	3.0 kg + 200 gm
Weight of double layer lid	325 gm + 2 gm
Weight of single layer lid (4 nos)	620 gm + 5 gm
Weight of plastic lid (4 nos)	425 + 2 gm
Weight of carrier	600 + 5 gm
Weight of carrying bag	900 + 10 gm
Weight of each bowl with heat insulation	600 + 20 gm
Each bowl of volume	2.130 liters + 05 ml
Total weight of Container Portable (Without carrying bag)	4.75 kg ± 25 gm
Total weight of Container Portable (with carrying bag)	5.875 kg ± 100 gm

6. Special Note

a.	Container's food temperature should remain hot for at least 10 (Ten) hrs.
b.	All bowls of container portable should be tightly fitted.
c.	All kinds of stitching of carrying bag should be of high quality standard.
d.	The strap attached in the body should be double stitched and heavy duty chain to be attached on flap.
e.	BD Army Monogram will be embossed on the middle of top double layer lid and must be clearly visible.
f.	Manufacturer/supplier should submit food grade certificate during tender stage.
g.	Cloth & strap of carrying bag to be free from all kinds of defects.
h.	Heat insulation foam should be used between basic cloth and inner layer of carrying bag.
j.	The metallic locking system and carrying handle will be flexible so that the bowls will easily lock and can be carried easily too.
k.	A round stitching will be given using strap attach with foam at top portion of the bag.

7. Testing Facilities:

Advance/BR sample of Container portable will be tested in suitable laboratory in Bangladesh if the testing facility is not available at IGS&C laboratory. The necessary cost of laboratory tests will be paid by supplier as per sub para 12 a & b of DP-35.

8. Packing Material

Packing	Material	Properties
Individual packing	Good quality Poly bag and corrugated paper carton	Transparent and 05 ply (Including adhesive tape).
Box carton	Corrugated paper carton	9 ply secured with two poly band strap (width wise).

Packaging: Each container portable to be packed in a good quality poly bag with 5 silicon bag. Such 04 nos container portable will be well packed in a carton.

Drop Test: Carton used for packing should be of high quality standard. The carton should not crack in drop test while it is filled up with the product in concerned quantity and dropped for three times from two meter height in any direction.



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9. Marking

Item	Marking	Size	Remark
Carrying Bag	BD ARMY Container Portable Contract no & date Name of Supplier Month-Year	115x115 cm	Black color letter on front side by screen print
Care Instruction	Washing and Cleaning instructions as required		Black color letter of top portion.
Carton (front side)	BD ARMY Name of Store: Contract No and Date: Quantity packed: Supplier's name: I/Note No and Date: Net weight Gross weight:	Clearly visible size	Printed Black letter with non-removable ink.
Carton (rear side)	Consignee name: Address:	Clearly visible size	Printed Black letter with non-removable ink.

10. Samples

Sample Type	Quantity/Remarks
Approve Sample	Product must be new & as per approve sample held in IGS&C, Dhaka cantt.
Tender Sample (Complete/Material)	Following sample to be submitted as tender sample a. 01 (One) complete sample b. 01 (One) square metre SS304 sheet c. 01 (One) metre basic cloth d. 01 (One) metre basic cloth e. 02 (Two) metre tape f. 0.50 (Half) metre lining cloth.
Advance Sample	02 (Two) nos complete samples to be submitted as advance sample for lab test & visual test.
BR Sample	Necessary quantity of BR (Bulk Representative) samples will be collected for lab test & visual test. At least 02 (Two) samples per challan to be provided at free of cost for necessary tests.

11. Quality Control Certificate/Quality Inspection by Supplier Supplier to provide a certificate (Along with all challan) that they have carried out a comprehensive quality inspection at their end and they are fully confirmed and satisfied about the following:

- Products are produced/manufactured as per specification.
- Products are tested/inspected as per the specified testing mentioned in this spec and found correct
- Food grade certificate for lid and container (SS304) and plastic lid.

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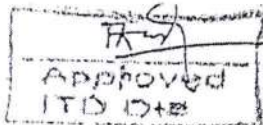
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12. Warranty/Guarantee. The warranty/guarantee period of the store will be 06 (Six) Years (min) from the issue of 'Inspection Note' by IGS&C. In this regards the manufacturer/supplier should provide a warranty/guarantee certificate regarding durability of the supplied stores. If supplied stores found defective within 06 (Six) Years during storage or practical use (Under normal use with standard maintenance). The defective container portable should be replaced by the manufacturer/supplier at their own cost within 30 (Thirty) days as the case arises.

Recommend by

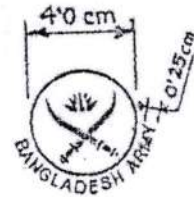
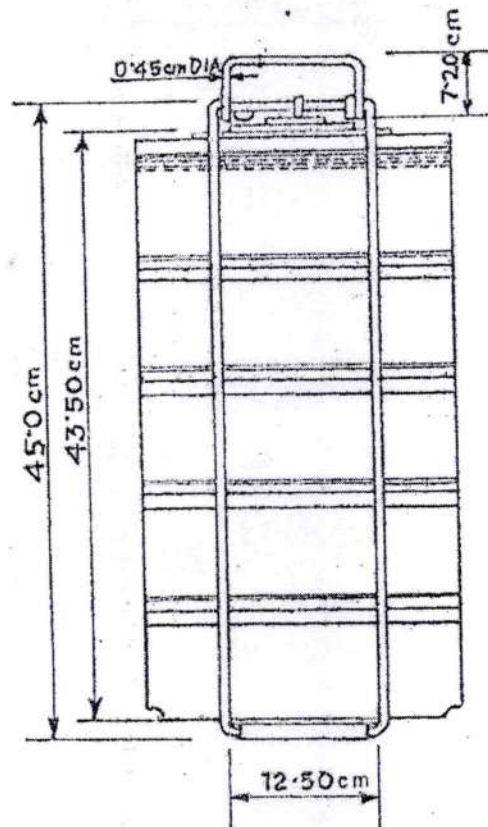
2/5 06/9/17
MD MAKSUDUL HAQUE
Colonel
Chief Inspector



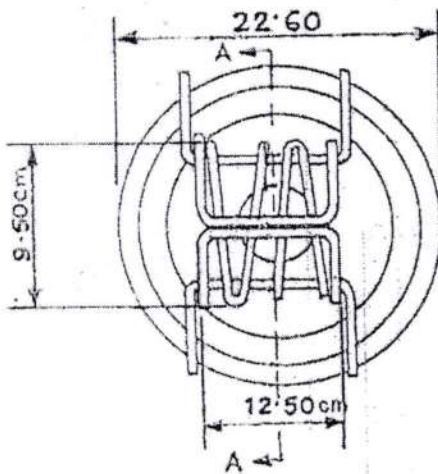
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Director, ITD Dte

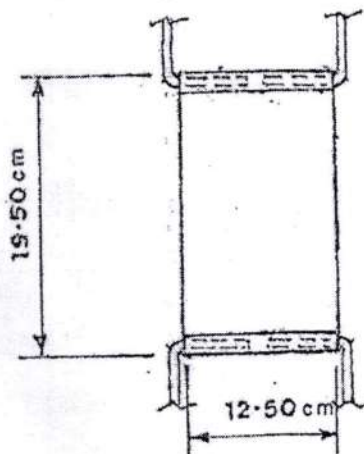




Logo
Middle Portion of Top Lid



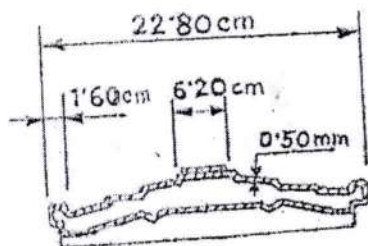
Top View



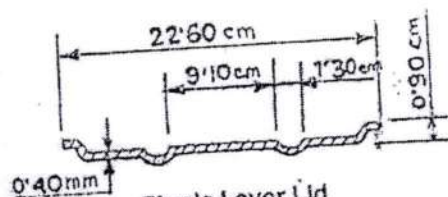
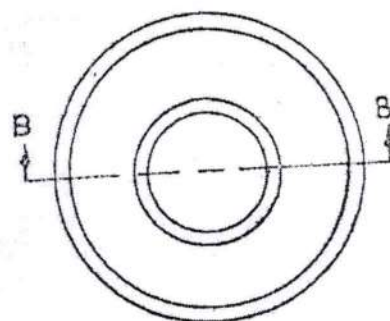
Bottom Plate

DRAWN BY <i>[Signature]</i>	RECOMMENDED BY <i>[Signature]</i>	TITLE: CONTAINER PORTABLE	IGS&C DHAKA CANTT
COMPARED BY <i>[Signature]</i>	APPROVED BY <i>[Signature]</i>		DRG NO BD GS
CHECKED BY <i>[Signature]</i>	DATE <i>06/11/17</i>		PD-1699 (A)
PASSED BY <i>[Signature]</i>			

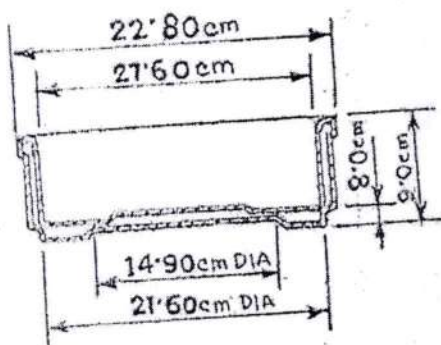




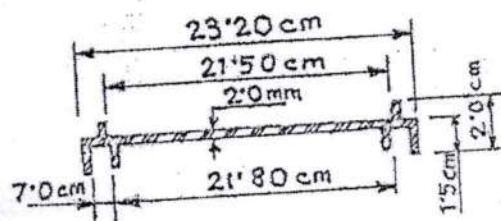
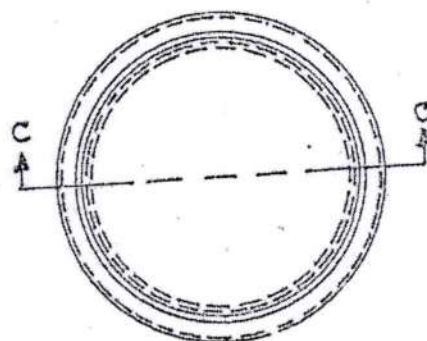
Double Layer Lid
(Section A-A)



Single Layer Lid
(Section B-B)



Bowl



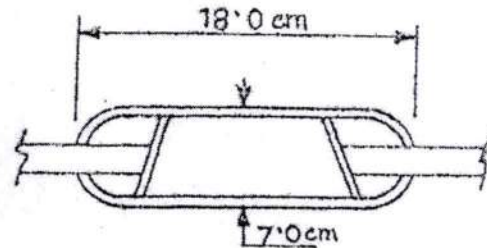
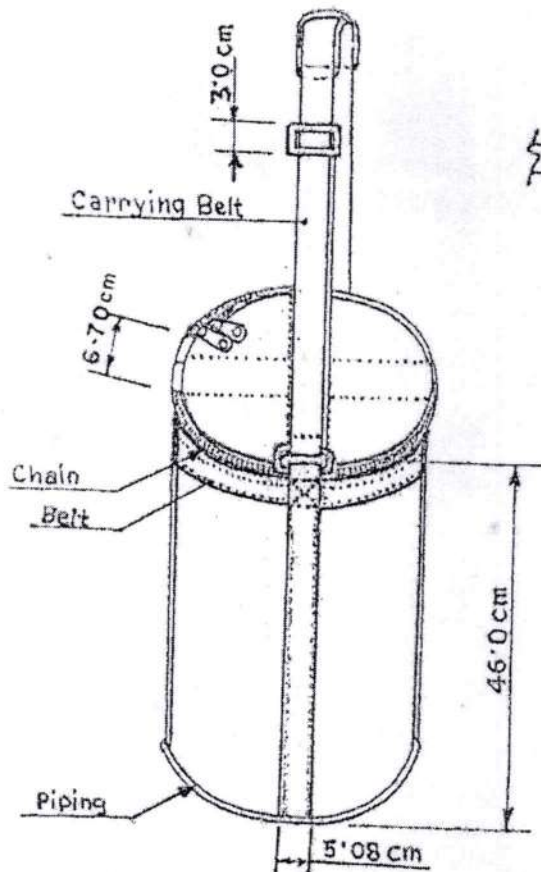
Plastic Lid
(Section C-C)

Material: Stainless Steel
(304 Food grade metal)

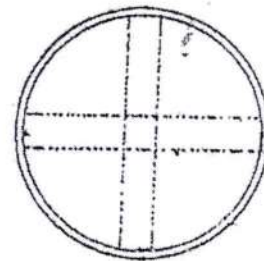
- (a) Thickness of steel : Bowl-0.50 mm
- (b) Thickness of steel : Top Lid 0.50 mm
- (c) Thickness of steel : Others Lid 0.40 mm
- (d) Dia of carrying rod : 0.45 cm

DRAWN BY	RECOMMENDED BY	TITLE:	IGS&C
COMPARED BY	APPROVED BY	CONTAINER PORTABLE	DHAKA CANTT
CHECKED BY	DATE		DRG NO BD GS
PASSED BY			PD-1699 (8)

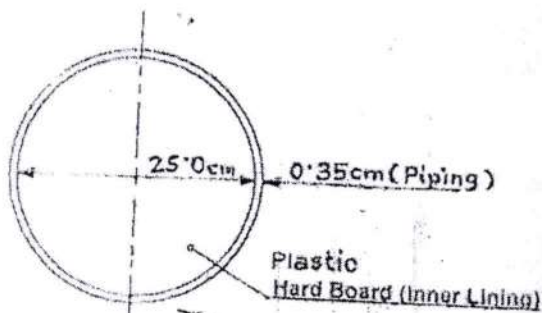




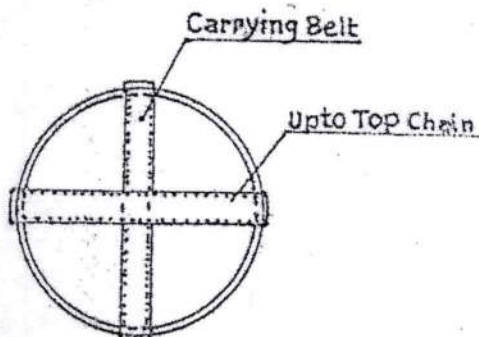
Foam Pad
(For Shoulder Carrying)



Top View



Bottom View

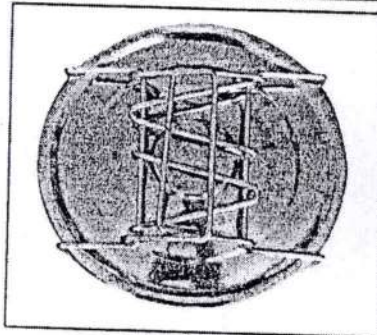
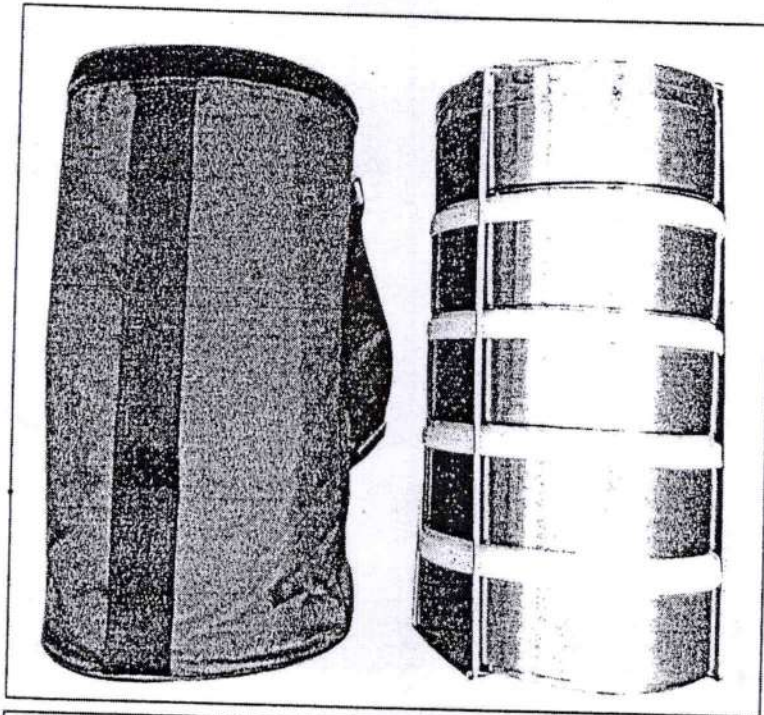


Material:
Basic Material : Polyester Cloth
Belt : Polyester
Colour of Body : Ripe Olive
Colour of Belt : Black
Buckle : SS

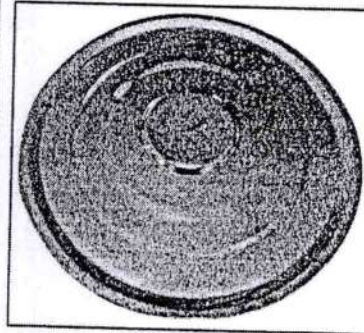
DRAWN BY	RECOMMENDED BY	CONTAINER PORTABLE (CARRYING BAG)	IGS&C DHAKA CANTT ORG NO 80 GS PD-1699 (C)
COMPARED BY	APPROVED BY		
CHECKED BY	DATE		
PASSED BY			



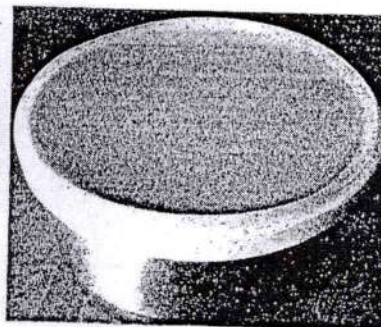
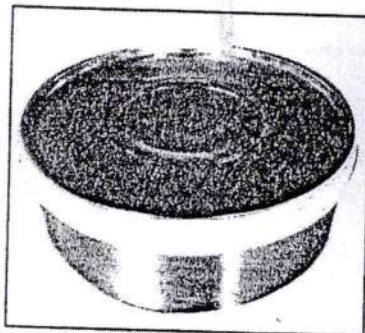
CONTAINER PORTABLE



TOP VIEW



TOP LID



BOWL

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COMPARED BY	APPROVED BY	CONTAINER PORTABLE	DHAKA CANTT
CHECKED BY	DATE		DRG NO- BD GS
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