

~~MADE COPY~~

5757  
GO/G-9

~~QUALITY CONTROL~~  
~~CERTIFICATE~~

Spec. No. 5757/PK  
D19-2003

UNSEALED SPECIFICATION NO. CQA(OS)/US/428(A)

SUPERSES UNSEALED SPECIFICATION NO. CIDS/US/11414

GOVERNMENT OF INDIA, MINISTRY OF DEFENCE

D. G. Q. A. ORGANISATION

SPECIFICATION

FOR

TENT DEES

ISSUED BY  
THE CONTROLLER,  
CONTROLLERATE OF QUALITY ASSURANCE (GENERAL STORES)

POST BOX NO. 127

KANPUR-208004.

110/-  
PRICE : Rs. 40/-

6  
OFF. OF WAREHOUSE  
KANPUR

FOR CONTROLLER  
जन्तु बाणदास तन्त्रशास्त्रज्ञ, धर्मशास्त्रज्ञ  
Joint Controller of Quality Assurance  
18, 27, 28-12, कानपुर  
- Post Box 127, KANPUR

DCM

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60/G-3

UNSEALED SPECIFICATION NO. CQA(GS)/US/426(2)

GOVERNMENT OF INDIA, MINISTRY OF DEFENCE  
D. G. Q. A. ORGANISATION  
SPECIFICATION  
FOR

*DR cat No*  
NIV 8465-000829 Ten. Dees 305 mm x 205 mm  
NIV 8465-000830 Ten. Dees 205 mm x 130 mm  
NIV 8465-000831 Ten. Dees 40 mm x 35 mm  
NIV 8465-000832 Ten. Dees 25 mm x 20 mm

- (A) This Specification consists of 10 pages.
- (B) This Specification is the property of the Government of India. This Specification or any Drawings, pattern or other information issued in connection therewith may only be used for a specific order placed by competent authority. It is not to be used for any other purpose whatsoever without the express written sanction of the Director General of Quality Assurance.
- (C) All clauses in this specification shall be complied with in every respect irrespective of the source of supply of the materials and/or components.
- (D) Should any discrepancy be found between this specification and any sample or pattern, loaned for any purpose, this specification and/or other connected specifications/or drawings shall be taken as correct.
- (E) All the specification/drawings referred to in this specification for any tender or contract shall mean the edition current on the date of such tender or contract.

ISSUED BY  
THE CONTROLLER  
CONTROLLERATE OF QUALITY ASSURANCE (GENERAL STORES)  
POST BOX NO. 127  
KANPUR-208004.

PRICE : Rs. 40/-

2

FOR CONTROLLER  
CONTROLLERATE OF QUALITY ASSURANCE  
POST BOX NO. 127, KANPUR

426(2)

557/1000  
GC/S-1

UNSEALED SPECIFICATION NO. CQA(GS)/US/426-1

1. SCOPE

1.1 This specification covers the requirements of the following Dees -

DS Cat No.	Designation
NIV 8465-000829	Tent Dees 305 mm x 205 mm
NIV 8465-000830	Tent Dees 205 mm x 130 mm
NIV 8465-000831	Tent Dees 40 mm x 35 mm
NIV 8465-000832	Tent Dees 25 mm x 20 mm

2. GENERAL DESCRIPTION

2.1 Tent Dees 305 mm x 205 mm and 205 mm x 130 mm are used for cowls in Tent store 15 metre x 6 metre and Tent Private MK-3 respectively. Tent Dees 25 mm x 20 mm are used either for pulling the flies or fixing walls and flies to the ground in case of Tent Arctic Small, Medium, Tent Store, Tent 50 kg and Tent 80 kg. Tent Dees 40 mm x 35 mm are used in some tents particularly civil.

3. APPLICABLE DOCUMENTS

- 3.1 IS : 280 Mild Steel Wire
- 3.2 IS : 1912 Twine Jute
- 3.3 IS : 2508 Polythene Film
- 3.4 IS : 2818 Cloth Hessian Medium
- 3.5 IS : 3751 Cloth 'C' Heavy
- 3.6 IS : 2633 Hot Dip Galvanising
- 3.7 IS : 1397 Paper Wrapping Craft

4. MATERIAL

4.1 Tent Dees shall be manufactured from mild steel wire conforming to IS:280.

5. MANUFACTURE

5.1 Tent Dees shall be manufactured to shape and design as shown in the plates attached to this specification. The bending shall be uniform and symmetrical. The two ends shall be joined at the middle of the straight portion either by brazing or by welding. If the joint is made by welding the two ends shall be scarfed. All extra material at the joint shall be removed and joint finished smooth. The Dees shall then be cleaned free from rust and foreign deposits and shall be Hot Dip Galvanised.

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CONTROLLED  
 QUALITY ASSURANCE  
 CONTROL SYSTEMS  
 1001  
 1001  
 1001

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DC (M)

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UNSEALED SPECIFICATION NO. COA(GS)/US/426(a)

6. DIMENSIONS

6.1 The Dees shall conform to the dimensions as shown in the plate attached to specification.

7. TOLERANCES

7.1 Following Tolerances shall be permitted :-

(a) Linear Dimensions - As shown in the Table given in the plate attached to specification.

(b) Dia of Wire - (After removal of Zinc Coat) As per IS:280

8. WORKMANSHIP & FINISH

8.1 Tent Dees shall be free from splits, cracks, burrs, laminations and uneven surfaces and shall be neatly fabricated. The Dees shall not be twisted or distorted. The brazing/welding shall be even and sound, Hot dip galvanised coating shall not be rough and gritty so as to injure the fabric or rope.

9. TEST

9.1 The Tent Dees shall pass the preece test as specified in IS:2633 (No. of dips 4 of one minute duration each).

10. MARKING

10.1 Firm's Marking

10.1.1 A table card board of 45 mm x 25 mm size shall be attached to each individual packet on which shall be marked nomenclature of the store, manufacturer's name, initial or recognised trade mark and year of manufacture.

10.2 Acceptance marking by Quality Assurance Officer

10.2.1 The accepted supply shall be marked with acceptance mark by the Quality Assurance Officer or his authorised representative a metal label of 45mm x 25mm size attached to each bigger bundle. Each bundle shall be sewn with twine jute and sealed with lead seal after tying the metal label at the free ends of twine jute to avoid any pilferage.

10.3 Final Rejection marking

10.3.1 Final rejections may be marked by the Quality Assurance Officer with letter 'X' on both sides of the manufacturer's marking, thus :- ( Mistry & Co X

1990

*[Handwritten signature]*

DC (M) 10

OK TO KULLIA  
QUALITY ASSURANCE OFFICER  
Mistry & Co  
1990

## 11. PACKAGING

## 11.1 Material

Conforming to

i)	Twine	Jute	IS : 1912
ii)	Paper	Craft Wrapping	IS : 1397
iii)	Polythene	film of 0.08 mm thickness	IS : 2508, grade 010
iv)	Cloth 'C'	Heavy in single layer	IS : 3751
v)	Cloth	Hessian Medium Type I in double layer	IS : 2018
vi)	Metal	label 45 mm x 25 mm size	
vii)	Label	card board 45 mm x 25 mm size	

## 11.2 Method of Packing

11.2.1 The Dees shall be packed in new and clean condition.

11.2.2 Twenty five Nos. Dees of size 305 mm x 205 mm and 205 mm x 130 mm and fifty No. Dees of size 40 mm x 35 mm and 25 mm x 20 mm shall be tied together through holes and securely wrapped in paper craft to form a packet, then placed in polythene bag of 0.08 mm thickness and heat sealed. Such packet shall then be sewn in a single layer of cloth 'C' heavy to form a small bundle. Suitable number of such ~~small~~ bundles shall then be sewn in double layer of cloth Hessian medium with twine Jute to form a bigger bundle. The total mass of the bundle shall not exceed 40 kg. Four ears of sufficient length and strength shall be provided in each bundle for easy handling in transit.

11.2.3 One of the Dees in each packet shall be identified by a label card board of 45 mm x 25 mm size affixed by means of a tie-on-tag on which shall be entered the nomenclature of the store.

11.2.4 Each bundle shall contain Dees of one size only.

## 11.3 Marking on Packages

11.3.1 Each bigger bundle shall be legibly and indelibly marked in bold letters with Cat. No., designation of the store, Quantity packed, firm's name or initial or recognised trade mark, year of supply, Name and address of the consignee, wt. of bundle in kg., No. of individual bundles and total No. of bundles in the consignment, month and year of packing, and voucher number, (Note No., A/T No. and date.

APPROVED  
 GENERAL MANAGER  
 CENTRAL BOARD OF METALS  
 100, RAJENDRA NAGAR  
 NEW DELHI, INDIA

DGA(GS) 1846

A260

5/11/2014  
60/9-9

UNSEALED SPECIFICATION NO. COA(GS)/US/426(2)

12. SAMPLING PLAN AND CRITERIA OF CONFORMITY

12.1 Formation of Lot-

12.1.1 The delivery shall be visually inspected by the Quality Assurance Officer at the spot in the first instance to ascertain its homogeneity in respect of Nature, size, shape, source and year of manufacture. If it is homogeneous, the delivery shall be treated as one lot. If not it shall be segregated by the supplier into separate groups so that each group which is homogeneous within itself forms a lot.

12.1.1 The supplier shall arrange the units of the homogeneous lot in such a way that all the units are easily accessible to the Quality Assurance Officer to enable him to draw samples from any portion of the homogeneous lot.

12.2 Sampling Procedure

12.2.1 Sampling of stores shall be done adopting appropriate sampling method as per IS : 4905 so that sample are drawn as per table I and II given for assessing various quality requirements, are truly representative of lot.

12.3 Scale of Sampling

12.3.1 The number of samples units to be drawn for assessing the quality of the store. Characteristicwise should be in accordance with the Table I for dimension/non-destructive/Visual Inspection and Table II for detailed Lab testing.



FOR CONTROLLER  
CENTRAL QUALITY ASSURANCE  
TO BE FURNISHED TO THE  
BY THE SUPPLIER

DCM/596

426(2)

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UNSEALED SPECIFICATION NO. CQA(GS)/US/426(a)

TABLE - 1

SAMPLING PLAN INDEXED BY LIMITING QUALITY (LQ)  
FOR VISUAL INSPECTION

(Based on 12.5% LQ)

Lot Size	Sample Size (n)	Acceptance number (a)
16 to 25	13	0
26 to 50	15	0
51 to 90	16	0
91 to 150	18	0
151 to 280	20	0
281 to 500	32	1
501 to 1200	32	1
1201 to 3200	50	3

Note :- When (n) exceeds the lot size, do 100 percent inspection with zero acceptance number.

Source :- ISO-2859/2-1985 (E)

(Sampling Procedures for Inspection by Attributes Part-2)  
Sampling Plans Indexed by Limiting Quality (LQ) for isolated lot inspection)

Control Officer

Doc No. 1846

Control No. 1846

426(a)

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UNSEALED SPECIFICATION NO. QQA(GS)705/425

T A B L E = I I

SAMPLING PLANS INDEXED BY LIMITING QUALITY (LQ)  
FOR LABORATORY TESTS

Lot Size	For Major Parameters (12.5% LQ)	
	Sample Size (n)	Acceptance number (a)
16 to 25	13	0
26 to 50	15	0
51 to 90	16	0
91 to 150	18	0
151 to 280	20	0
281 to 500	32	1
501 to 1200	32	1
1201 to 3200	50	3

Note :- When (n) exceeds the lot size, do 100 percent inspection/testing with zero acceptance number.

Source :- ISO-2859/2-1985 (E)

(Sampling Procedures for Inspection by Attributes Part-2; Sampling Plans indexed by Limiting Quality (LQ) for isolated lot inspection)

Doc No. 18463

QUALITY CONTROL  
INSPECTION DEPARTMENT  
INDUSTRIAL ENGINEERING  
MADRAS UNIVERSITY  
CHENNAI - 600 025

4260



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UNSEALED SPECIFICATION NO. COA(GS)/US/A20(a)

12.4 CRITERIA OF CONFORMITY

12.4.1 All the sample units as specified in Table I and II are required to be tested/inspected irrespective of the rejection number (=AC+1) being achieved earlier.

12.4.2 The lot shall be considered conforming to the specified quality if the number of defective units observed in the sample is not more than the respective Acceptance number of each class of defects.

12.4.3 When the sample size equals or exceeds lot size, do 100% inspection.

12.4.4 The number of sample units to be sampled for lab testing should be a multiple of the number of Characteristics/tests which can not be carried out simultaneously on the same sample units.

12.4.5 SAMPLING INSPECTION - The Quality Assurance officer shall draw sample as per Table I for dimensional/non-destructive/Visual inspection to assess the quality of the lot. If the quality of the lot indicates conformity to the standard as laid down in Table I, sampling for lab testing will be done. Otherwise the lot shall be straightway rejected.

12.4.6 SAMPLING FOR LAB TESTING-If the lot is considered conforming to the quality standards as specified in Table I, sampling for lab testing shall be carried as per Table II and the samples shall be subjected to the lab testing.

12.4.7 BULK INSPECTION-If the lab test report indicates that the lot does not conform to the standards as specified in Table II, the whole lot shall be rejected. Otherwise the lot shall be inspected hundred percent thoroughly for workmanship, finish and other critical/Major and visual defects. All items found defective shall be rejected.

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ORIGINATOR  
INSPECTOR  
ACCEPTANCE AUTHORITY  
426(0)

DC(M) 8465-0006-

60/5-9

NOTE:- Specification of various series mentioned above can be had on payment from the addresses as shown below :-

UNSEALED SPECIFICATION NO. CQA(GS)/US/426(C)

SPECIFICATION

I. S. Series

SOURCE

The Director General, Bureau of Indian Standards, Manak Bhawan, 9, Bahadur Shah Zafar Marg, NEW DELHI-110 002. or the regional offices at Bombay, Calcutta, Madras and other branch offices.

IND/GS/Series JSS & Supple. Schedule in CQA(GS)/SS Series

The Controller Controllerate of Quality Assurance (GS), PB No. 127, KANPUR-208004.

1. Sr. Quality Assurance Officer S.Q.A. Estt. (GS), (East India), Hastings, CALCUTTA-700022.

IND/SL Series

The Chief Quality Assurance Officer, Chief Quality Assurance Estt (Materials) PB. No. 229 KANPUR-208004.

2. The Sr. Quality Assurance officer S.Q.A. Estt (GS), W. India, DGQA Complex, LBS Hira Vikhroli, BOMBAY-400083.

IND/TC Series

The Controller Controllerate of Quality Assurance (IT&C), PB No 294 KANPUR-208004

3. The Quality Assurance Officer Q.A. Estt (GS), Central India, P. B. No. 307, KANPUR-208004.

IND/BL Series for petroleum products (if required).

The Controller Controllerate of Quality Assurance (petroleum products), P. B. No 244 KANPUR-208004.

4. The Sr. Quality Assurance Officer S. Q. A. Estt (GS), (S. I.) DGQA Complex, Pazhavanthangal, MADRAS-600114.

'DMSRDE' Series (if required)

The Director DMSRDE, GT Road, KANPUR-208013.

5. The Quality Assurance Officer Q.A. Estt (GS), North India, North India, NEW DELHI-110005.

CONTROLLER CONTROLLERATE OF QUALITY ASSURANCE (GS) POST BOX NO 127 KANPUR-208004

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FOR CONTROLLED  
बुराहा गुणवत्ता प्रमाणन (बिमान)  
Controllerate of Quality Assurance

8465-008832 25 10m  
NEW DELHI-127. कानपुर  
CQA(GS)/US/426(C)

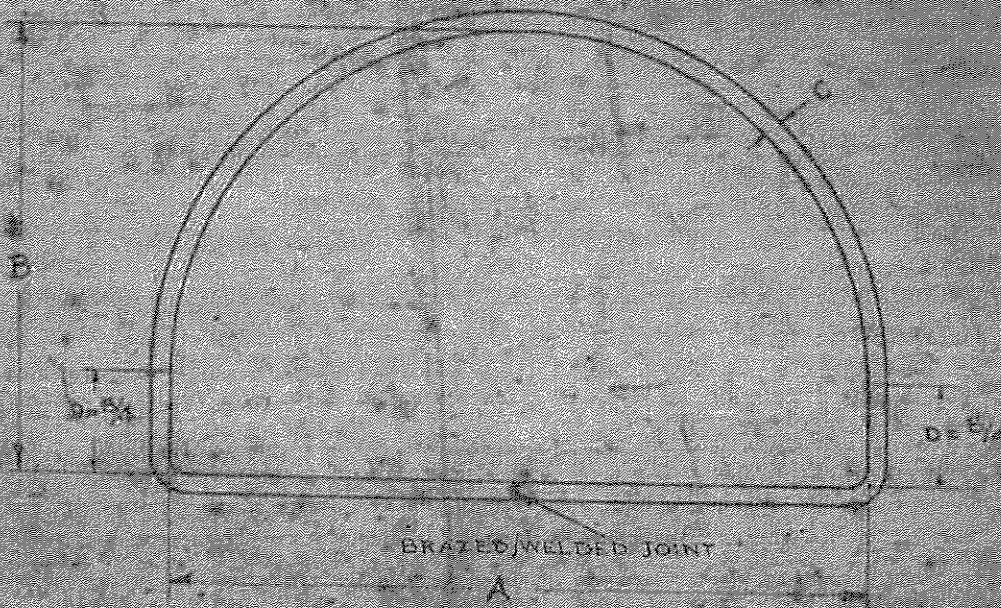
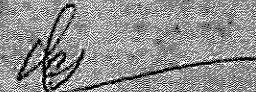


TABLE OF DIMENSIONS

	A	B	C	D
	305 mm ± 2 mm	205 mm ± 2 mm	6.30 mm Ø ± 0.60 mm	
	205 mm ± 2 mm	130 mm ± 2 mm	5.00 mm Ø ± 0.50 mm	
	40 mm ± 1.5 mm	35 mm ± 1.5 mm	4.00 mm Ø ± 0.50 mm	
	25 mm ± 1 mm	20 mm ± 1 mm	4.00 mm Ø ± 0.50 mm	

  
 CONTROL OFFICER  
 DEPARTMENT OF QUALITY ASSURANCE  
 No. 22 2841-174 41801  
 Date: No. 110, 2000

DIS. CAT. No.

DESIGN	DATE	NAME	IN SUPERVISION OF DRG. NO.
DRN			IN (SHEETS)
CHKD			ADDITIONAL PARTICULARS
APPROVED BY			NO. BAG PACKING DELIVERY
DATE			
BY			
BY			

E.O.G.S)  
KANPUR

TENTS DEES

