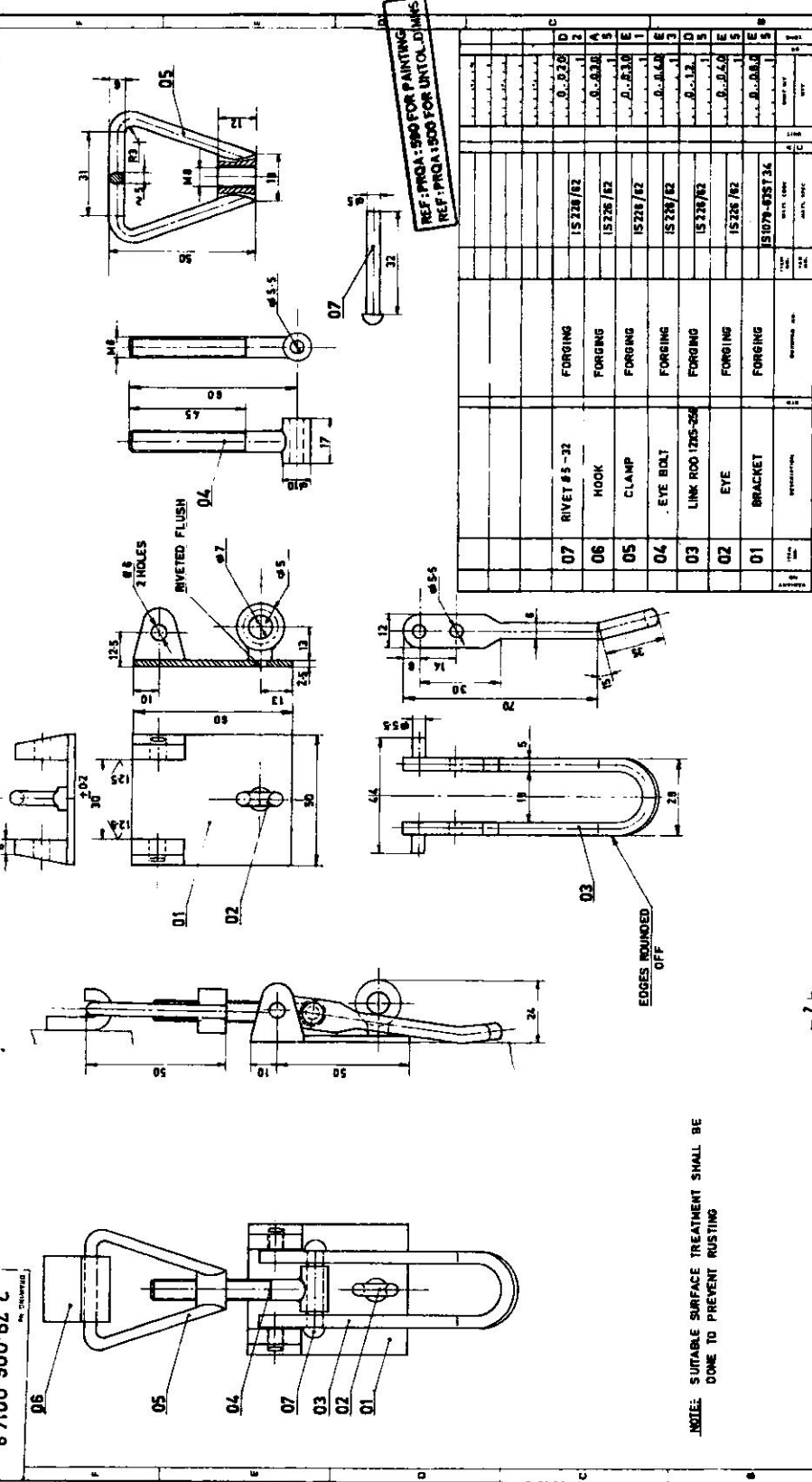




FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETERS)

2-79-006-00148



REF: PFOA: 990 FOR PAINTING  
REF: PFOA: 1000 FOR UNIFORM DIMS

ITEM NO.	DESCRIPTION	QTY	UNIT	REF. DIM.
07	RIVET #5-32	1	PC	0.0.0.3.0
06	HOOK	1	PC	0.0.0.2.0
05	CLAMP	1	PC	0.0.0.3.0
04	EYE BOLT	1	PC	0.0.0.4.0
03	LINK ROD 12X5-256	1	PC	0.0.0.3.0
02	EYE	1	PC	0.0.0.4.0
01	BRACKET	1	PC	0.0.0.0.0

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT

**DiM** Bharat Heavy Electricals Ltd.,  
MOTOR PLANT UNIT  
TIRUCHIRAPPALLI-600 014

DATE: 17/11/79

SCALE: 1:1

PROJECT NO: 0-38

U O I 2-79-006-00148 00

NOTE: SUITABLE SURFACE TREATMENT SHALL BE DONE TO PREVENT RUSTING

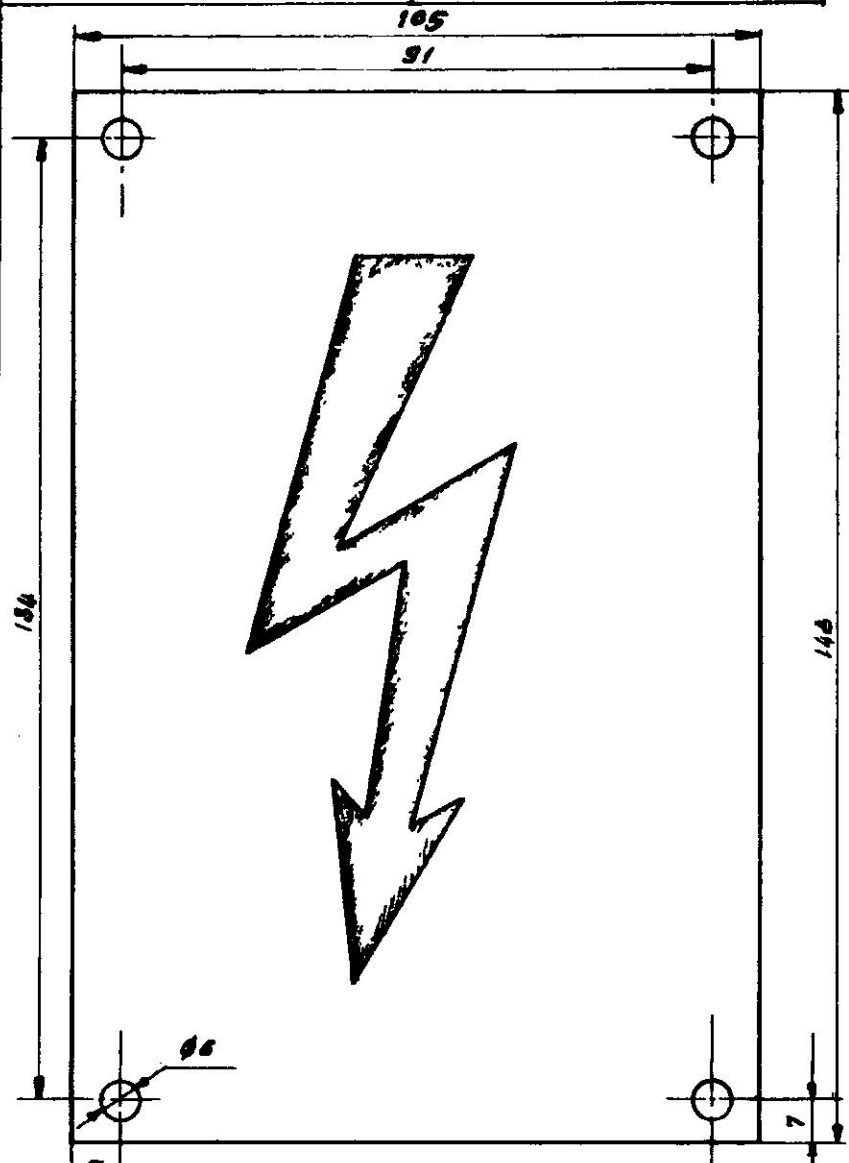
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FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

08-349/C

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REV 01	DATE	ALTERED	REV 02	DATE	ALTERED
		CHECKED			CHECKED



REF: PQA: 590 FOR PAINTING  
REF: PQC: 500 FOR UNTOL. DIMS

NOTE:  
CAST, RED AREA  
ON WASTE  
BACK-GROUND

ALUMINIUM CASTING				
VARIANT NO.	DESCRIPTION	MATL CODE	A/C	UNIT
	MICROFILMED ON			
	0-21911 F 225			
		MATL SPEC		UNIT WT
				QTY



**Bharat Heavy Electricals Ltd.,**  
BOILER PLANT UNIT  
TIRUCHIRAPALLI-620 014

DRN	NAME	SIGN	DATE
	M. ANTRAJ	kgm	27/10/81
CHD	SMN	6	06-11-81
APPD	GS	8/11/81	12-11-81

DEPT. <b>hacc</b>	GRADE OF UNTOL DIM <b>250</b>		SCALE <b>N.P.S</b>	WEIGHT (kg) <b>0.17</b>	REF TO ASSY / OLD DRG	ITEM NO.
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TITLE <b>WARNING SIGN</b>	CARD CODE <b>U 01</b>	DRAWING NO <b>4-79-006-00267</b>	REV
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EPD - BANGALORE

**Indent Specification For  
Disconnecting Switch 95kV**

**SPECIFICATION NO.  
EP-WEX-DCS/2013-14**

**Technical specification for Disconnecting Switch 95kV**

**1.0.0 SCOPE OF SUPPLY:**

The Scope of supply of DISCONNECTING SWITCH includes manufacture, Inspection, testing, packing and delivery.

**2.0.0 APPLICABLE STANDARDS :**

The DISCONNECTING SWITCH shall be manufactured as per the IS 13947, IS 2071, IS 2544, IS 5350 as applicable

**3.0.0 GENERAL REQUIREMENTS:**

- 3.1.0 The DISCONNECTING SWITCH (DC Switch) shall be of welded construction.
- 3.2.0 The surfaces and edges shall be smooth. Burr if any shall be removed.
- 3.3.0 All parts of DC SWITCH shall be corrosion resistant.
- 3.4.0 The DC SWITCH shall be fabricated as per BHEL specification.
- 3.5.0 All the current carrying parts shall be made of Tinned copper & connecting ends shall be made of Nickel Chromium plated brass fittings.
- 3.6.0 The enclosure shall be designed for IP 55 Degree of protection.
- 3.7.0 The design of knife contact shall be such that after repeated ON/OFF operations for 500 times, the knife contact gap shall not show an increased gap of more than 0.4 mm.
- 3.8.0 The insulators shall be supplied by BHEL.
- 3.9.0 The Disconnecting switch shall be suitable for 95 KV (Peak).
- 3.10 Painting shall be done, after pre-treatment as per IS 6005. The metal surface shall be subject to degreasing, acid cleaning, alkali neutralising followed by primary coat of zinc chromate. Two final coats of epoxy based paint shall be applied. Phosphating shall be done as per IS 6005 Class B (min). The thickness of paint shall not be less than 50 microns. Painting colour shall be RAL 5012, blue finish, double coating.


**4.0.0 INSPECTION AND TESTING:**

The DC SWITCH shall be inspected and tested as per the following documents.

1. BHEL purchase order.
2. BHEL drawings.
3. BHEL Technical specification .
4. Inspection checklist referred in the Enquiry / Purchase Order.

**7.0.0 PACKING**

Individual Disconnecting switch shall be packed in polygene sheets and wooden crates to avoid ingress of moisture and to avoid any damage to the DC SWITCH, during transit or outdoor storage. One of the square flanges shall be covered with MS dummy plate with neoprene gasket. All other open flanges shall be covered wooden dummy covers with suitable packing material. The packing shall be suitable for storage at outside for a period of one year.

  
4/9/13  
ಪುರುಷೋತ್ತಮ್ ಸಿ.ಎನ್.  
ಹಿರಿಯ ಉಪ ಪ್ರಧಾನ ನಿರ್ವಾಹಕರು. ವಾಣಿಜ್ಯ  
Purushotham C.N.  
Sr. Dy. General Manager / Commercial  
BHEL-EPD, Bangalore - 12.