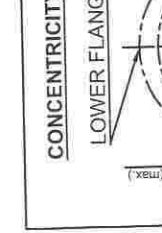
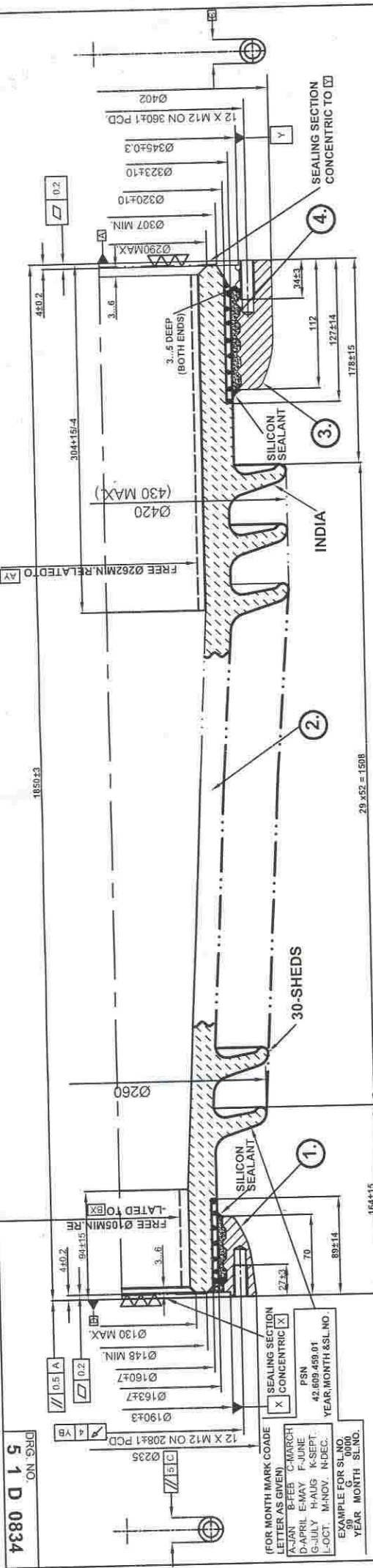


ALL DIMENSIONS ARE IN mm



IT. NO.	DESCRIPTION	MATERIAL	QTY	CUST. DRG. NO.	IEC. DRG. NO.	REMARKS
4.	CEMENT	PORTLAND				
3.	BOTTOM FLANGE	AL-ALLOY.	1	42.609.806.	5 1 D 0834/H2	LM - 25
2.	INSULATOR SHELL	PORCELAIN	1	42.609.459.	5 1 D 0834	
1.	TOP FLANGE	AL-ALLOY.	1	42.609.462.	5 1 D 0834/H1	LM - 25

PSN COMPONENTS				DRG. NO. 42.609.259	
DRN	PRASHANT	24.4.98.	FINISH	MATERIAL	WT. (Kg.)
APPD	CHD		AS ABOVE	AS ABOVE	
APPD	90 NV		AS ABOVE	AS ABOVE	
APPD	90 NV		AS ABOVE	AS ABOVE	

REV	DATE	REV	DATE	REV	DATE	REV	DATE
1.	28.05.99	2.	03.06.99	3.	12.08.04	4.	03.06.99
APPD		APPD		APPD		APPD	

TITLE		DRAWING NO.	
242-KV OUT DOOR		5 1 D 0834	
HOLLOW INSULATOR(SF-6)			

REV	DATE	REV	DATE	REV	DATE	REV	DATE
APPD		APPD		APPD		APPD	

NOTES:

- TOLERANCES ON UNTOLERANCED DIMENSIONS SHALL BE AS PER IEC-233-1974.
- TESTS AS PER IEC-233-1974.
- SURFACES MARKED WITH SHALL BE GROUND & UNGLAZED AND PARALLEL TO EACH OTHER AND PERPENDICULAR TO THE AXIS.
- SURFACE OF FLANGE & PORCELAIN IN CONTACT WITH CEMENT SHALL BE GIVEN ONE (1) COAT OF FAR (BITUMINOUS PAINT).
- SEALING SURFACE MUST BE FREE AT RADIAL MARKS OR SCRATCHES & NO CRACKS ARE ALLOWED.
- CREEPAGE DISTANCE -- 4145 mm (Min).
- PROTECTED CREEPAGE DISTANCE -- 90° & 45° - 1536mm & 2717mm.

TOLERANCES ON ASSEMBLED INSULATORS:

- PORCELAIN I.D. CONCENTRIC WITH BOLT CIRCLE DIA WITHIN -- 4.0 mm.
- PARALLELISM BETWEEN FLANGE FACES - 0.50 mm.

TYPE TESTS (ON 3 SAMPLES):

- IMPORTANT DIMENSIONS & VISUAL EXAMINATION.
- TEMPERATURE CYCLE TEST (TEMP. DIFFERENCE 70° C).
- CANTILEVER LOAD TEST (UPRIGHT) - 2038 kgf (20kN).
- INTERNAL BURST PRESSURE TEST 47 bar FOR 5 MINUTES.
- POROSITY TEST.
- LIGHTNING IMPULSE WITH STAND VOLTAGE -- 900 kVp
- POWER FREQUENCY DRY WITH STAND VOLTAGE - 425kV/p
- POWER FREQUENCY WET WITH STAND VOLTAGE - 350 kV
- CORONA EXTINCTION VOLTAGE - 154 kV MIN.

ROUTINE TEST:

- IMPORTANT DIMENSIONS & VISUAL EXAMINATION.
- 4-WAY CANTILEVER LOAD TEST - 1631 kgf (16 kN).
- DIE ELECTRIC TEST - 45 kV.
- ULTRASONIC TEST.
- DYE PENETRATION TEST ON PORCELAIN GROUND SURFACE.
- INTERNAL PRESSURE WITH STAND TEST FOR 3-MINUTES - 33 bar.

VALUES SHOWN FOR THESE TESTS ARE ONLY FOR REFERENCE AND TESTS SHALL BE CONDUCTED BY CUSTOMER.

SCALE: NTS

PROJECTION:

ASSY. DRG. REF.

DATE: 28.05.99

APPD: 1.

DATE: 03.06.99

APPD: 2.

DATE: 12.08.04

APPD: 3.

DATE: 03.06.99

APPD: 4.