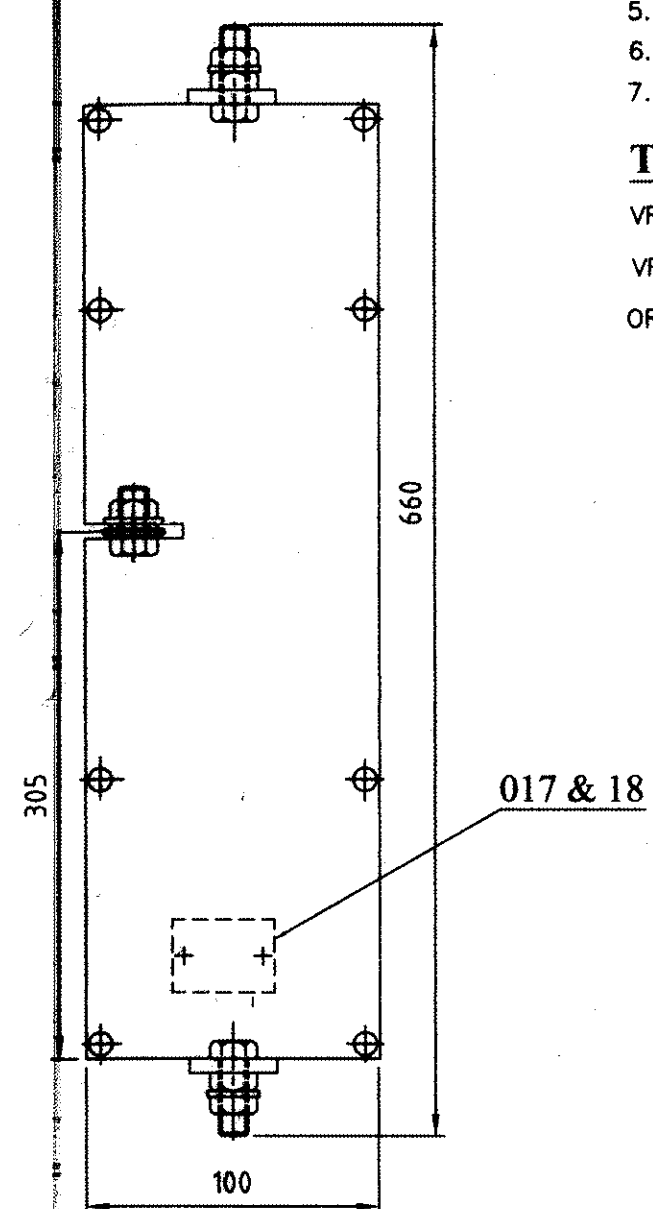
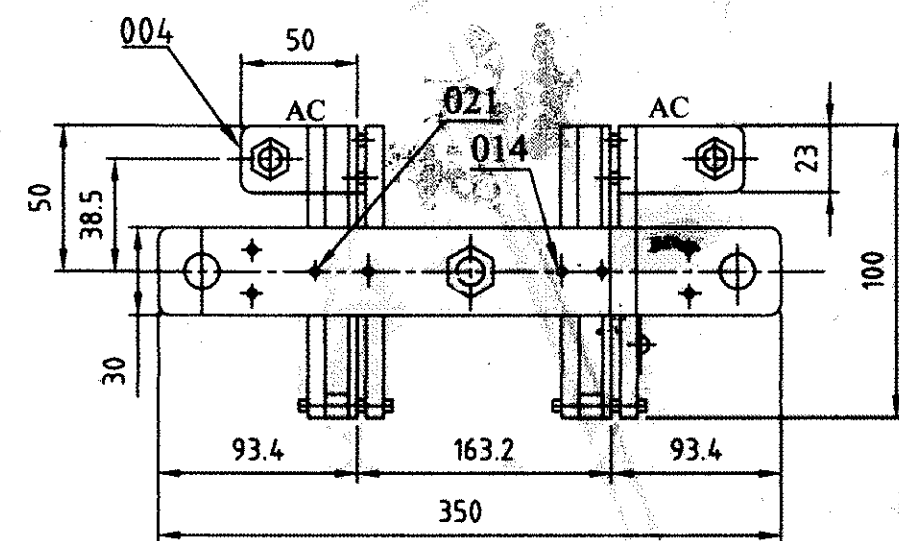
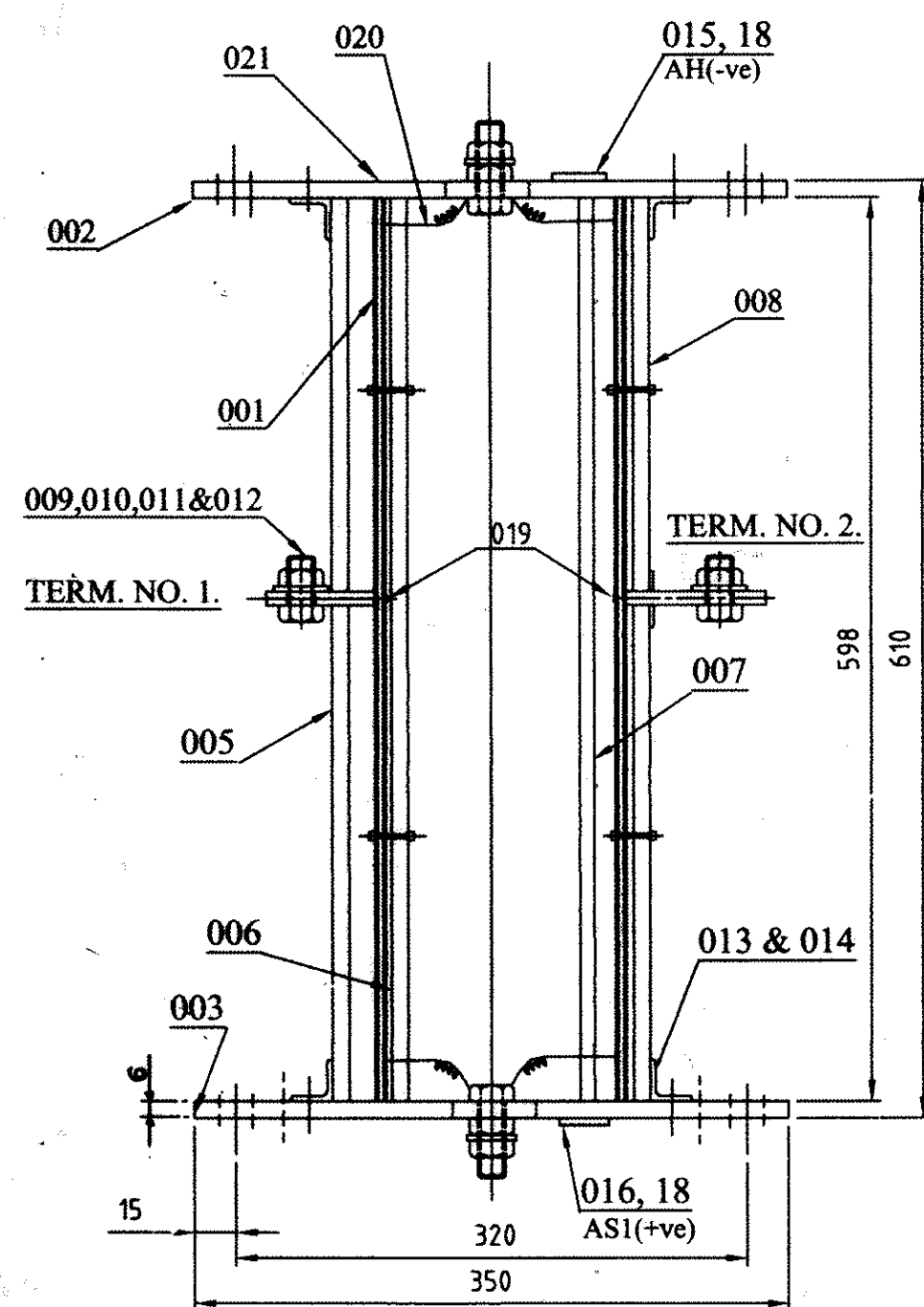




H.V. DIODE STACK SPECIFICATION:-

1. If = CONTINUOUS FORWARD CURRENT AT 100°C IN OIL : 1.4 Amp
2. IFRM = PEAK REPETITIVE FORWARD CURRENT AT 100°C (AT 50Hz) : 5 Amps
3. IFSM = SURGE NON REPETITIVE FORWARD CURRENT AT 25°C : 50 Amps (FOR A PERIOD OF t=10msec.)
4. STORAGE TEMPERATURE : -40°C TO 125°C
5. MAXIMUM OPERATING FREQUENCY : 5 KHz
6. APPLICATION : HVR TRANSFORMER. NOTE:- DIODE STACK SHOULD BE COMPATIBLE WITH SILICONE & MINERAL OIL
7. DIODE TYPE : AVALANCHE GLASS PASSIVATED, HERMETICALLY SEALED PACKAGE

TYPICAL DIODE CHARACTERISTICS :-

VRRM [REPETITIVE PEAK REVERSE VOLTAGE]:- 800V; VBR [AVALANCHE BREAK DOWN VOLTAGE]:- 900-1600V
VF [CONT. FORWARD VOLTAGE DROP]:- 1.25V(MAX) AT 2.5AMP.AT AMBIENT; IR [REVERSE LEAKAGE CURRENT]:- 80 micro-Amp AT 100°C. AT VRRM MAX.
OR EQUIVALENT TO MEET DIODE STACK SPECIFICATIONS.

TESTS :-

- A) ROUTINE TEST:-
- 1) INSULATION RESISTANCE TEST IN FORWARD BIAS & REVERSE BIAS CONDITION WITH 500 VDC MEGGER.
 - 2) POLARITY TEST WITH 500 VDC MEGGER.
 - 3) LOAD TEST AT 1.4 Amp. DC FOR 30MINUTES AT 100° C
 - 4) HIGH VOLTAGE TEST:- APPLY 160 KV AC AT 100 Hz FOR 1 MINUTE BETWEEN TERM. NO. 1 & 2.
 - 5) DIMENSIONAL CHECK
- B) TYPE TEST:- (TO BE CONDUCTED ON 01 SAMPLE PER LOT.)
- 1) SAMPLE SHOULD BE STORED AT 125°C FOR 168 Hrs. AND AT THE END ALL ROUTINE TESTS SHOULD BE REPEATED. REJECTION SHOULD BE NIL.
 - 2) SAMPLE SHOULD BE IMMERSSED IN OIL AT 100°C AND 1.2 TIMES RATED CURRENT SHOULD BE PASSED FOR 168Hrs. ALL ROUTINE TESTS SHOULD BE REPEATED & REJECTION SHOULD BE NIL.

INFORMATION REQUIRED WITH OFFER IN SEXTUPLET:-

- (I) TECHNICAL LEAFLETS CONTAINING CHARACTERISTICS & NO. OF DIODES.
- (II) DIMENSIONAL DRAWINGS.

INFORMATION REQUIRED WITH CONSIGNMENT:-

- (I) TEST CERTIFICATE : 6 COPIES.
- (II) CHARACTERISTICS TO PROVE AVALANCHE TYPE DIODES.

NOTE (FOR INTERNAL USE):-

1. ALL ITEMS NO. 001 TO 021 ARE PROCURED FROM DIODE STACK MANUFACTURER.
2. THE DIODE STACK ARE SUITABLE FOR CURRENT UPTO 1400 m Amp.

STYLE NO.	
ST 627647	SIGN. -- SD -- DATE:- 02.09.06

004	BRASS	021	CH. HD. SCREW M4 X 10 Lg
004		020	1.5 mm. Sq. TEFLON WIRE WITH LUGS.
004	BRASS	019	CH. HD. SCREW M3x10 L
006	MS	018	SELF TAPPING SCREW NO. 4x6.5 L
001	AL	017	SR. NO. PLATE
001	AL	016	LABEL As1 [+Ve]
001	AL	015	LABEL AH [-Ve]
024	MS	014	SCREW CH. HD. M4X10 Lg.
008	MS	013	ANGLE
008	BRASS (ET)	012	NUT HEX. HD. (FOR M8)
004	SP. ST	011	WASHER SPG. (FOR M8)
012	BRASS (ET)	010	PLAIN WASHER (FOR M8)
004	BRASS (ET)	009	SCREW HEX. HD. M8X25 Lg.
001	SMC	008	R.H.SIDE SUPPORT 100X598X6T.
001	SMC	007	R.H.SIDE SUPPORT 100X598X6T.
001	SMC	006	L.H.SIDE SUPPORT 100X598X6T.
001	SMC	005	L.H.SIDE SUPPORT 100X598X6T.
002	CU (ET)	004	BUS BAR CU. 8TKX50X23Lg.
001	CU (ET)	003	BUS BAR CU. 6TKX30X350Lg.
001	CU (ET)	002	BUS BAR CU. 6TKX30X350Lg.
002		001	RECTIFIER PCB (WITH DIODES)
QTY	REMARKS	ITEM NO.	DESCRIPTION

ADDITIONAL INFORMATION			TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT		H.V.R. TRANSFORMER FOR ESP									
STATUS OF DRAWING					BHARAT HEAVY ELECTRICALS LTD. JHANSI		DRN	R.R.Jachak	SIGN	-- sd --	DATE	29.07.06	NL OF	VAR
DISTRIBUTION OF PRINTS							CHD	R.K.Lohoraya		29.07.06	01			
TRE-1, TRP-1, BAY8-2							APPB	N.Varshney		31.07.06				
REV 01	DATE 02.09.06	ALTERED CHECKED 	DEPT TRE	GRADE OF UN. TEL. DIM. 1/2		SCALE NTS	WEIGHT (KGS)	SUPPLIER'S DRG. NO. 2854-0000-18-00			ITEM NO	NL OF ITEM		
ST 627647 ADDED.			406								021			
			TITLE H.V. DIODE BRIDGE RECTIFIER STACK ASSY. (FOR 95kvp-1400mA HVR TRFR.)					CARD CODE	DRAWING NO. 2 467 01 50 023			REV. 02		
4								SHEET NO. 01		NL OF SHEETS 01				