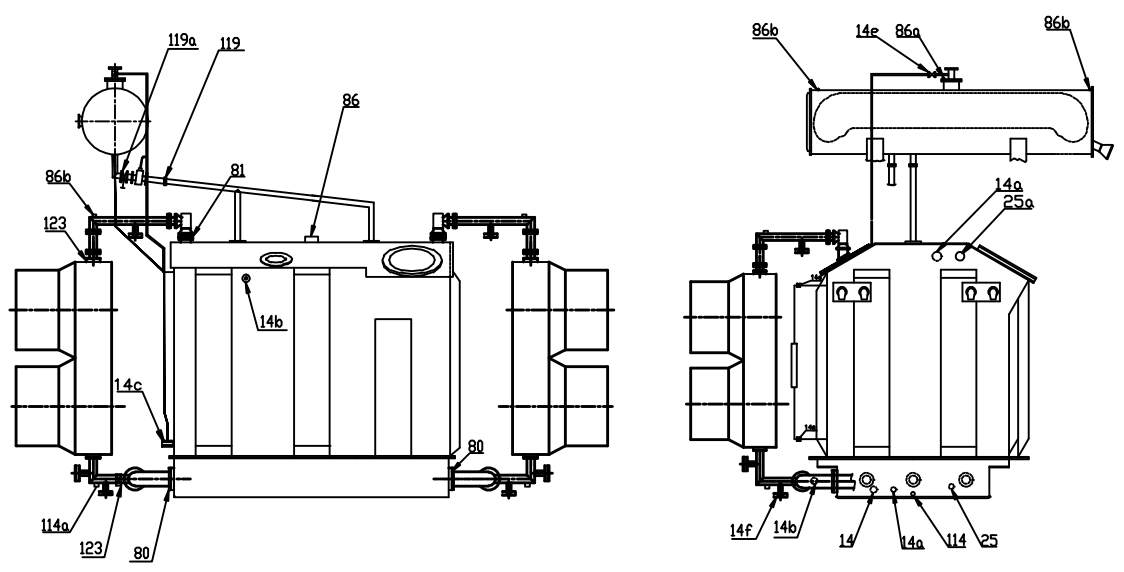


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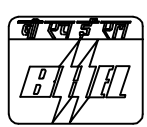
INVENTORY NO. SIGN. DATE REF. DRG. NO.

# VALVE SCHEDULE

MVA. RATING 200 VALVE SCHEDULE DRG. NO. 34521900410 ELECTRICAL SPEC NO. 601260



ITEM	DESCRIPTION	QTY.
14	DRAIN C.I. VALVE FOR TOTAL DRAINAGE 100 N.B.	1
14a	SAMPLING GATE VALVE 15 N.B. (G.M.) 1 AT TOP & 1 AT BOTTOM.	2
14b	40 NB G.M. VALVE SUDDEN PRESSURE RELAY AND ON LINE DGA	2
14c	DRAIN G.M. VALVE FOR MAIN CONSERVATOR 50 NB.	1
14e	15 NB G.M. GATE VALVE FOR BREATHER CONNECTION ON MAIN CONSERVATOR.	1
14f	50 NB G.M. FILTER VALVE FOR COOLER	12
14g	15 NB G.M. VALVE FOR ON LINE DRY KEEP SYSTEM	2
25	FILTER G.M. VALVE ON BOTTOM TANK 50 NB.	1
25a	FILTER G.M. VALVE WITH SAMPLING ATTACHMENT ON TOP TANK 50N.B.	1
80	OIL INLET BUTTERFLY VALVE 200 N.B.	4
81	OIL OUTLET BUTTERFLY VALVE 100 N.B.	6
86	AIR RELEASE VALVE (G.M.) 1/2"B.S.P. ON TANK COVER	1
86a	AIR RELEASE PLUG (1/4"B.S.P.) FOR AIR CELL ON CONSERVATOR	1
86b	AIR RELEASE PLUG ON CONSERVATOR AND COOLER PIPE WORK (3/4"B.S.P.).	8
114	DRAIN/SAMPLING PLUG FOR BOTTOM TANK ON EACH SIDE (1"B.S.P.)	2
114a	DRAIN/ PLUG (3/4"B.S.P.) ON COOLER PIPES.	6
119	ISOLATING B.F. VALVE FOR BUCHHOLZ RELAY 80NB.	1
119a	ISOLATING C.I. VALVE 80 NB FOR BUCHHOLZ RELAY	1
123	ISOLATING B/F VALVE FOR PUMP & MOTOR, OIL FLOW INDICATOR 100NB & 100NB. P/W.	24



## BHARAT HEAVY ELECTRICALS LIMITED

### NOTES:-

- FOR NORMAL WORKING OF TRANSFORMER KEEP ALL THE FOLLOWING VALVES OPEN- ITEM 14b, 14e, 80, 81, 119a, & 123
- OPERATOR SHOULD REFER MAINTENANCE INSTRUCTION BEFORE APPLYING VACCUM TREATMENT.

### NOTES TO VALVE SCHEDULE PLATE MANUFACTURER

- MATERIAL**  
 1.61K x 400 x 600 STAINLESS STEEL SHEET TO AA 10737 (ISI 6911 GR 04 Cr 13)
- LETTERS AND NUMERALS**  
 (i) STYLE AND DESIGN OF ENGLISH LETTERS & NUMERALS SHALL BE AS PER STANDARD AA 0421402.  
 (ii) LETTERS & NUMERALS SIZE H MM. SHALL BE AS PER TABLE-I
- FINISH**  
 (i) PLATES ARE TO BE MANUFACTURED BY ETCHING PROCESS.  
 (ii) ALL LETTERS AND FIGURES DIVIDING LINES BORDER LINES AND DIAGRAM ETC. TO BE BLACK.  
 (iii) BACK GROUND TO BE STAIN SILVER.  
 (iv) THE PLATE SHOULD WITH STAND OUT DOOR DURABILITY TEST.
- THE SETTING OF THE VALVE SCHEDULE PLATE SHOULD BE DONE AS NEAR AS POSSIBLE TO DRAWINGS.
- DRILLING IS TO BE DONE IN PLATE BEFORE ENGRAVING OR ANODISING.
- DRAWING NO. 3452000410 REV. NO. 01 V.0 68090-P-512-01 TO BE PAINTED ON THE BACK OF THE PLATE
- PACKING**  
 VALVE SCHEDULE PLATE TO BE SUITABLY PACKED IN POLYTHENE COVERS (500 MICRONS THICKNESS) TO AVOID DAMAGE DURING TRANSIT/STORING

TABLE-1  
 SIZE OF LETTERS AND NUMERALS

DESCRIPTION	SIZE H MM
VALVE SCHEDULE	12
BHARAT HEAVY ELECTRICALS LIMITED	12
MAIN HEADINGS & MAIN PARTICULARS.	6
NOTES, FIGURE & OTHER DETAILS	3

### NOTES TO DRAUGHTSMAN

- FOR MOUNTING PAD REFER DRG. 44991500008 ITEM 002.

**THIS TRANSFORMER IS EXACTLY SIMILAR TO THAT SUPPLIED TO NTPC TALCHAR-II, RIHAND-II, YANDHYACHAL-II, KORBA-II, FARAKKA-III & DADRI-II (EXCEPT THE LOCATION OF COOLING BANK).**

REV	DATE	ALT	BY	CHKD	APPD	AKP/CM	ZONE
03	07/11/09	KAVITTA	LALIT	-	-	-	TI. 14 GADDED.
02	16/04/08	FARHANA	LALIT	-	-	-	QTY. OF TI. 123 WAS 18. CUSTOMER COMMENT INCORPORATED.

NO. OF TRANSFORMER	PROJECT	LOA NO.	TYPE OF PRODUCT	NAME OF CUSTOMER
10	VALUR THERMAL POWER PROJECT 3 X 500 MW.	NTRCL/C&M/P-TRN(CS-0260-501-2) FC-NOA/080 DT. 17/10/2008	200 MVA, 21/420/3 KV, 1 PHASE OPAF COOLED GEN. TRANSFORMER	NTPC TAMIL NADU ENERGY CO. LTD.

DRG. NO.	SHEET	OF	REV.
3 45200 00410	01	01	03