SIGNATURE NOT REQUIRED AS IT IS SYSTEM GENERATED DRAWING **SIZE A1**

ITEM NO.	DESCRIPTION	QTY.
1	COMBINED RATING & DIAGRAM PLATE (HINDI & ENGLISH)	01NO.
2a	VALVE SCHEDULE PLATE	01NO.
2d	CAUTION PLATE FOR OLTC	03NOS.
2e	TERMINAL MARKING PLATE	10NOS.
3	LIFTINGS BOLLARDS	04NOS.
4	EARTHING TERMINAL ON TANK	02NOS.
3a	LASHING LUGS	04NOS.
6	H.V. BUSHING 245 KV, 1250 AMPS, 600 CTL.	03NOS.
6x	H.V. NEUTRAL BUSHING 36 KV, 3150 AMPS. 300 CTL.	01NO.
7	I.V. BUSHING 145 KV, 1250 AMPS, 300 CTL.	03NOS.
7x	L.V (TERTIARY) BUSHING 36 KV, 3150 AMPS. 300 CTL.	03NOS.
8	NAME PLATE (HINDI & ENGLISH)	1+1NO.
10	INSPECTION COVERS ON TANK, COVER & MAIN CONSERVATOR	26NOS.
11	OIL FILLING HOLE ON CONSERVATOR FOR OLTC	01NO.
12	MAGNETIC OIL GAUGE WITH LOW OIL LEVEL ALARM FOR MAIN AND OLTC CONSERVATOR	01+01NO
12a	PRISMATIC OIL GAUGE FOR MAIN CONSERVATIR	01NO.
12b	PRISMATIC OIL GAUGE FOR OLTC CONSERVATOR	01NO.
13	DRAIN PLUG ON TANK, RADIATORS, PIPE WORK & OIL REVERSE FLOW STOPPING DEVICE	18NOS.
14	DRAIN VALVE ON TANK (100 NB. B/F)	01NO.
14a	DRAIN VALVE ON MAIN CONSERVATOR (50 NB. B/F)	01NO.
14b	DRAIN VALVE FOR OLTC CONSERVATOR (15 NB. GATE)	01NO.
15	OIL CONSERVATOR AIR CELL TYPE	01NO.
15a	OLTC OIL CONSERVATOR FOR OLTC.	01NO.
17	ONLINE TYPE MAINTENANCE FREE BREATHER FOR MAIN CONSERVATOR	01NO.
17a	MAINTENANCE FREE BREATHER FOR OLTC CONSERVATOR	01NO.
18	THERMOMETER POCKETS WITH ORDINARY THERMOMETER ON TANK COVER & HEADERS	1+4NOS
19	JACKING LUGS	04NOS.
21	OTI (150mm DIAL SIZE)	01NO.
22	WTI (150mm DIAL SIZE)	03NO.
23	ROLLER BI-DIRECTIONAL ø 320 TWIN WITH STOPPER BRACKET ARRANGEMENT	04NOS.
25	FILTER VALVE ON TANK & HEADERS (50 NB. GATE)	2+4NO.
26	BUCHHOLZ RELAY (80NB)	01NO.
26a	OIL SURGE RELAY FOR OLTC	03NO.
27	PRESSURE RELIEF DEVICE (150 NB)	02NOS.
28	END COVER FOR MAIN & OLTC CONSERVATOR	1+1NO.
43	33 KV, POST INSULATOR FOR HV NEUTRAL GROUNDING	2NOS.
43a	EARTHING STRIP FOR HV/NEUTRAL BUSHING (12 TK. X 80)	01NO.
44	BILINGUAL COMPANY'S MONOGRAM (ON TANK & MAIN CONSERVATOR)	1+1NO.
48	MOTOR DRIVING GEAR	01NO.
49	HAND OPERATING HANDLE	01NO.
50	ON LOAD TAP CHANGER WITH MOTOR DRIVING GEAR BOX	03NOS.
57	MARSHALLING KIOSK FLOOR MOUNTED	01NO.
60	RADIATORS	12NOS.
63	2#+ FAN WITH MOTOR AND MESH GUARD (4 NOS RUNNING + 1 STANDBY PER BANK)	10NOS.
64	OIL PUMP & MOTOR (800 LPM) < 1 NO RUNNING + 1 NO STANDBY PER BANK>	04NOS.
67	FLEXIBLE JOINT (150NB,80NB)	8+1NOS
70	FAN SUPPORT	02NOS.
72	A-FRAME FOR MOUNTING OF HEADERS WITH SUPPORT BRACKET & LEG	04NOS.
73	TOP HEADERS	02NOS.
74	BOTTOM HEADERS	02NOS.
77	RADIATOR TIE BAR	20NOS.
79	LADDER WITH SAFETY FLAP	01NO.
80	OIL INLET VALVE (150NB BUTTERFLY) ON BOTTOM TANK	02NO.
81	OIL OUTLET VALVE (150NB BUTTERFLY) ON TOP TANK	02NO.
86	AIR RELEASE VALVE ON COVER (15 NB GATE)	02NOS.
86a	TOP & BOTTOM SAMPLING VALVE ON TANK (25 NB GATE)	02NOS.
86b	AIR RELEASE PLUG (3/4" BSP) ON MAIN CONSERVATOR	02NOS.
86c	AIR RELEASE PLUG (1/4" BSP) ON MAIN CONSERVATOR	02NOS.
88	BUCHHOLZ RELEASE COCK (6 NB)	01NO.
101	PRESSURE GAUGE ON MAIN CONSERVATOR (0-06 KG/ SQ. CM)	01NO.
115	LOCKING ARRGT.	02NOS.
150	HV TURRET	03NOS.
150a	IV TURRET	03NOS.
150b	LV TURRET	03NOS.
150c	HVN TURRET	01NO.
157a	EARTHING CONNECTION BETWEEN CORE TO END FRAME & END FRAME TO TANK	01NO.
157b	EARTHING CONNECTION BETWEEN TOP TANK TO BOTTOM TANK	02NOS.
157c	EARTHING CONNECTION BETWEEN TAP CHANGER TO TANK COVER	03NOS.
160	OIL FLOW INDICATOR 150 MM. DIAL SIZE	04NOS.
161	BUCHHOLZ GAS RELEASE PIPE 6 NB	02NOS.
164	BREATHER PIPE (25 NB. PIPE)	02NOS.
203	RADIATOR VALVE (80 NB BUTTERFLY)	24NOS.
204	CONSERVATOR VALVE FOR MAIN CONS. (80 NB GATE)	2NOS.
204a	VALVE FOR DRAIN & SAMPLING OF OLTC CONS. (25 NB GATE)	03NOS.
206	VALVE FOR DISCONNECTING RADIATOR BANK (150 NB B/F)	04NOS.
209	VALVE FOR DISCONNECTING PUMP & MOTOR (150NB B/F)	08NOS.
210	VALVE FOR BREATHER CONNECTION ON MAIN CONSERVATOR (25 NB GATE)	01NO.
211	FLEXIBLE SEPERATOR (AIR CELL)	01NO.
213	OIL REVERSE FLOW STOPPING DEVICE SUITABLE FOR 150 N.B. PIPE	02NOS.
215	VALVE FOR ONLINE DGA (25 NB GATE)	02NOS.
216	AIRCELL RUPTURE INDICATING DEVICE	01NO.
270	DRAIN VALVE FOR NIPPS (150 NB, B/F),	01NO.
273	PRE STRESSED NON RETURN VALVE FOR NIPPS IN CONSERVATOR PIPE WORK	01NO.
274	VALVE FOR NITROGEN INJECTION (25 NB. GATE)	06NOS.

TABLE OF FITTINGS

12	11	10	9	8	7	6	5	4	3	2	1	

All dimensions in 'mm'

First Angle Projection

12	11	10	9	8	7	6	5	4	3	2	1	

SRL NO.	DESCRIPTION	DRG.NO.
01	OUT LINE GENERAL ARRANGEMENT	14630050035
02	RATING & DIAGRAM PLATE (HINDI & ENGLISH)	14631950088
03	VALVE SCHEDULE PLATE	14631950089
04	FOUNDATION PLAN OF TRANSFORMER	24630050072
05	LOADING GAUGE	24630050073
06	OIL FILLING INSTRUCTION PLATE	24631950071
07	245kV 1250 AMPS, H.V. BUSHING ASSY.	34630050261
08	145 KV, 1250 AMPS, I.V BUSHING ASSY.	34630050262
09	36 KV, 3150 AMPS, TERTIERY BUSHING ASSY.	34630050263
10	36 KV, 3150 AMPS, NEUTRAL BUSHING ASSY.	34630050264
11	320 ø TWIN ROLLER ASSY.	34630050265
12	HV & LV BI-METALLIC TERMINAL CONNECTOR	34630050266
13	RADIATOR	34630050267

TABLE OF REFERENCE DRAWINGS

12	11	10	9	8	7	6	5	4	3	2	1	

	MIN. AIR CLEARANCES	
KV	PHASE TO PHASE	PHASE TO EARTH
220	2350	2150
132	1430	1270
11	350	320

DESCRIPTION	TK.
TANK BASE	16TK.
BOTTOM TANK WALL	16TK.
TANK RIM	28TK.
TOP TANK WALL	10TK.
BOX STIFFENER	10TK.
TANK COVER	20TK.

DESCRIPTION	IN LITRE	IN KG.
OIL FOR FIRST FILLING	55000	45000
TOTAL OIL (FIRST FILLING +10% SPARE)	55000	49500

OIL QUANTITY

DESCRIPTION	WT.IN KG.
CORE	40000
CORE AND WINDING	75000
TANK AND FITTINGS WITH ACCESSORIES	34000
TOTAL WIGHT WITH OIL AND FITTINGS	154000
UNTANKING WEIGHT	12000
TRANSPORT WEIGHT (GAS FILLED)	95000

APPROXIMATE WEIGHT

12	11	10	9	8	7	6	5	4	3	2	1	