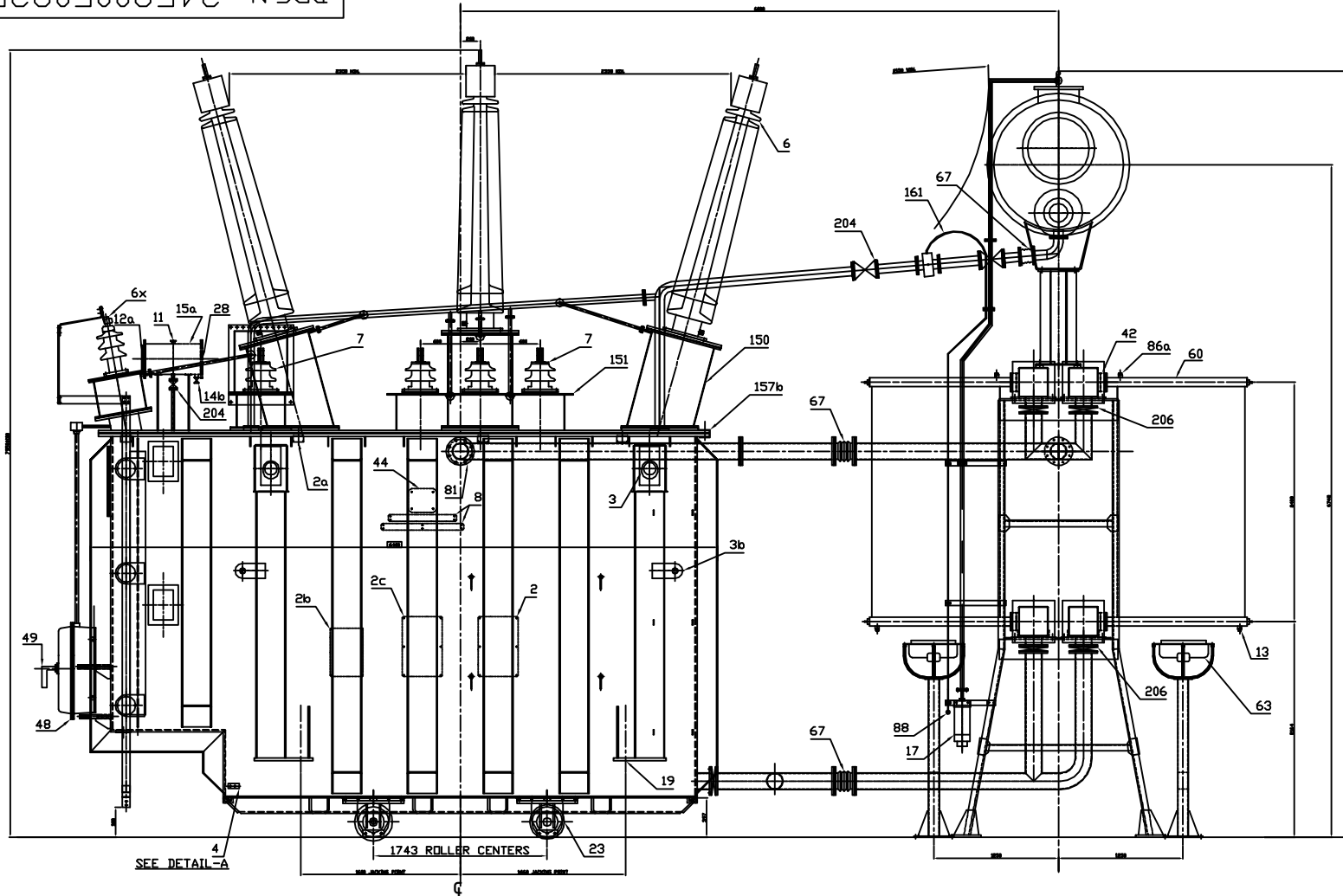


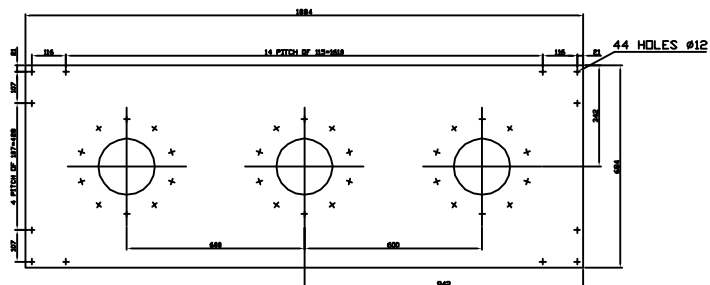
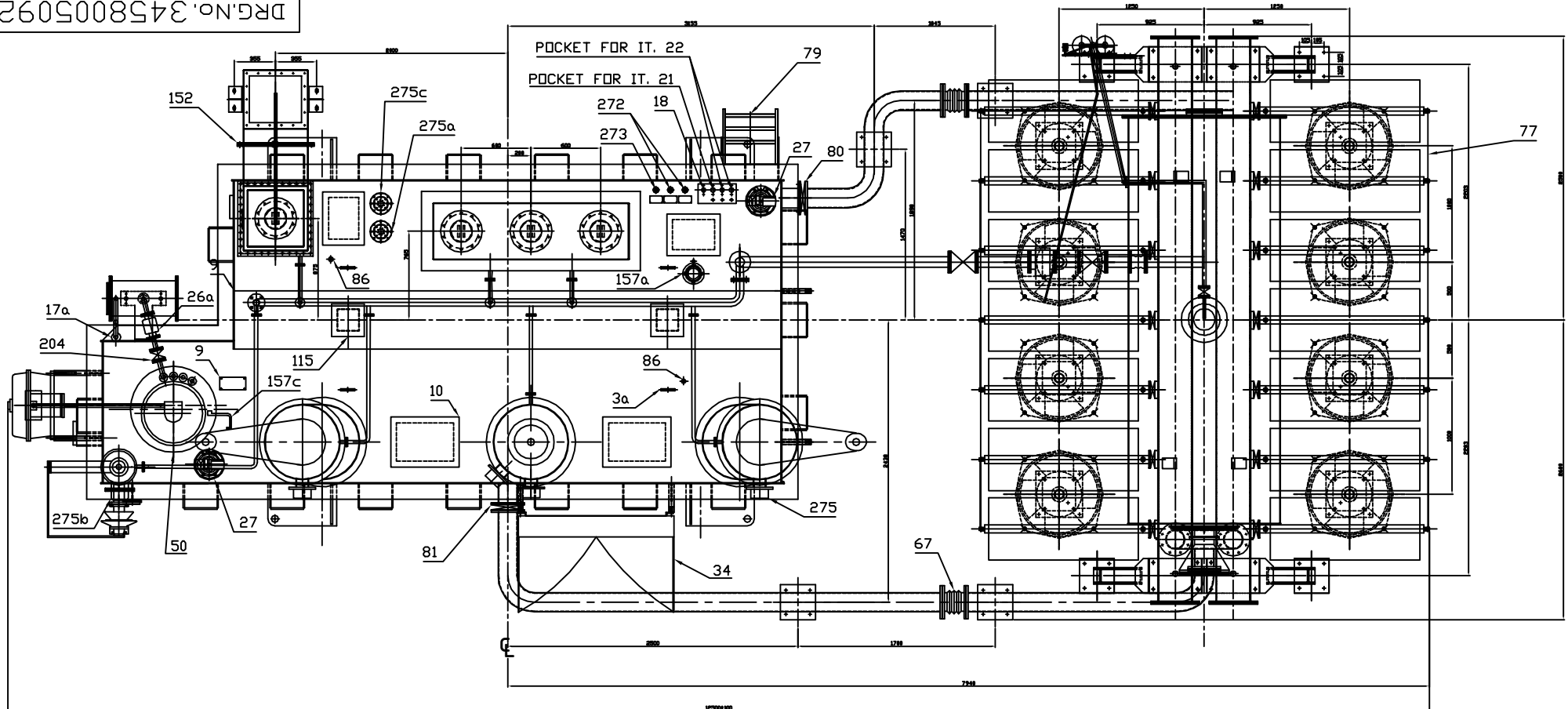
DRG.No. 34580050925



ADDITIONAL INFORMATION									
W.O. 71710A17100									
STATUS OF DRAWING									
DISTRIBUTION OF PRINTS									
TRE	PPC	BAY 11E	BAY 3, 4E5	BAY 6A7	BAY 8	BAY 9	LWM	Other	
1						4			0
REV 00	DATE	ALTERED DDV1 CHECKED APPROVED							

TYPE OF PRODUCT OR 01NQ. 35/37.5 MVA 220/6.9 KV STATION. TRFR.														
NAME OF CUSTOMER/PROJECT M/S - NSPCL ROURKELA														
					DRN	NAME		SIGN		DATE		NO. OF VAR		
BHARAT HEAVY ELECTRICALS LTD. JHANSI						DDV1								
						CHD								
					APPD									
DEPT-TRE		UN. TOL. DIM. C/M/F				SCALE		WEIGHT [KG]		REF. TO ASSY. NO.		ITEM NO		NO. OF ITEM
CODE-406														
TITLE OUT LINE GENERAL ARRGT. (ELEVATION)									DRAWING NO. 34580050925				REV. 00	
									SHT NO 1			NO OF SHT 4		

DRG.No. 34580050925

DETAIL-C
LV BUS DUCT MTG. FLANGE

MIN. CLEARANCES

	LINE TO LINE	LINE TO EARTH
H.V.	2350	2150
L.V.	280	140

ADDITIONAL INFORMATION
W.D. 71710A17100

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

TRE	PPC	BAY 1&2	BAY 3,4&5	BAY 6&7	BAY 8	BAY 9	U/M	Other
1						4		0

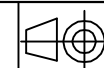
REV	DATE	ALTERED	CHECKED	DDV1
00				APPROVED

TYPE OF PRODUCT OR 01NO. 35/37.5 MVA 220/6.9 KV STATION.
TRFR.

NAME OF CUSTOMER/PROJECT M/S - NSPCL ROURKELA

BHARAT HEAVY ELECTRICALS LTD.
JHANSI

NAME	SIGN	DATE	NO. OF VAR
DDV1			
CHD			
APPD			

DEPT-TRE UN.TOL.
DIM. C/M/F

SCALE

WEIGHT (KG)

REF. TO ASSY. NO.

ITEM NO

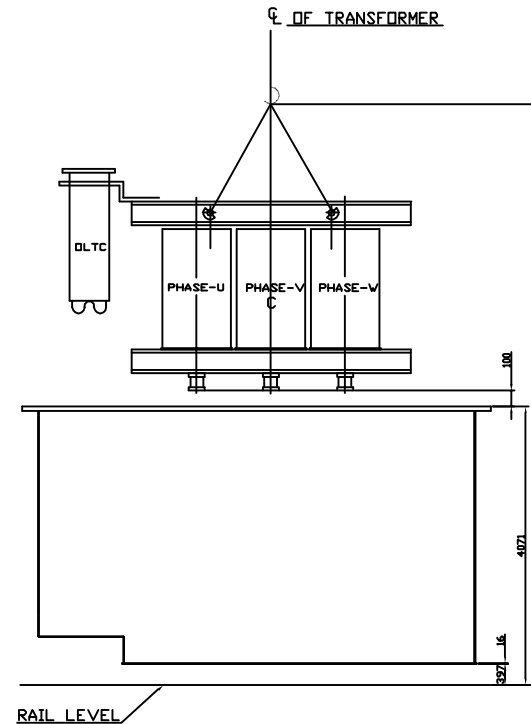
NO. OF ITEM

TITLE
OUT LINE GENERAL ARRGT.
(PLAN)DRAWING NO.
34580050925 00

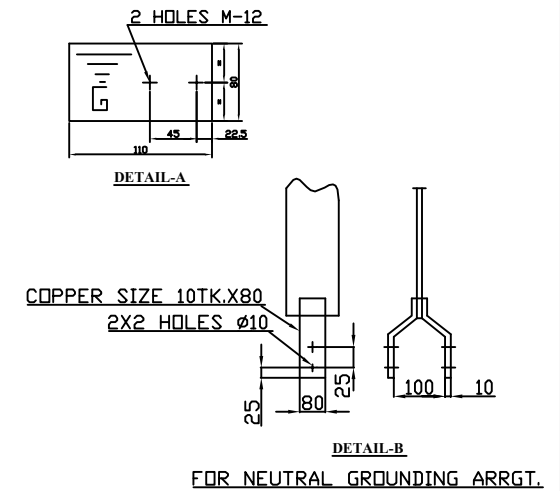
SHT NO 2

NO OF SHT 4

DRG.No. 34580050925



UNTANKING DETAIL OF CORE & WINDING



1. FOR TABLE OF FITTINGS, REFERENCE DRGS., TABLE OF WEIGHTS & OTHER GENERAL NOTES REFER DRG. 24580050447.

ADDITIONAL INFORMATION W.D. 71710A17100										TYPE OF PRODUCT OR 01NO. 35/37.5 MVA 220/6.9 KV STATION. TRFR.																	
STATUS OF DRAWING										NAME OF CUSTOMER/PROJECT M/S - NSPCL ROURKELA																	
DISTRIBUTION OF PRINTS										 BHARAT HEAVY ELECTRICALS LTD. JHANSI																	
TRE	PPC	BAY 1&2	BAY 3,4&5	BAY 6&7	BAY 8	BAY 9	LIN	Other	JRN											NAME	SIGN	DATE	NO. OF VAR				
1						4		0	CHD																		
									APPD																		
REV 00	DATE	ALTERED DDV1 CHECKED APPROVED								DEPT-TRE	UN. TOL. DIM. C/M/F		SCALE	WEIGHT (KG)	REF. TO ASSY. NO.	ITEM NO	NO. OF ITEM										
ZONE										CODE-406																	
										TITLE OUT LINE GENERAL ARRGT. (END VIEW)										DRAWING NO. 34580050925				REV. 00			
																				SHT NO 3				NO OF SHT 4			

DRG. NO. 34580050925

TABLE OF FITTINGS

ITEM NO.	DESCRIPTION	QTY.
2	COMBINED RATING & DIAGRAM PLATE (HINDI & ENGLISH)	01NO.
2a	TERMINALS MARKING PLATE	08NDS.
2b	OIL FILLING INSTRUCTION PLATE	01NO.
2c	VALVE SHEDULE PLATE	01NO.
3	LIFTINGS BOALARD	04NDS.
3a	LIFTINGS LUGS FOR COVER	04NDS.
3b	LASHING LUGS	04NDS.
4	EARTHING TERMINAL ON TANK	02NDS.
6	H.V. LINE TERMINALS 245 KV, 1250 AMP.	03NDS.
6X	H.V. N. BUSHING 36KV 2000 AMPS.	01NO.
7	L.V. & LVN BUSHING 17.5 KV, 5000 AMPS.	04NDS.
8	NAME PLATE (HINDI & ENGLISH)	02NDS.
9	INSTRUCTION PLATE FOR DLTC.	01NO.
10	INSPECTION COVERS ON TANK, COVER, LV TURRET & MAIN CONSERVATOR	15NDS.
11	OIL FILLING HOLES ON D.L.T.C. CONSERVATOR	01NO.
12	MAGNETIC OIL GAUGE WITH LOW OIL LEVEL ALARM FOR MAIN CONSERVATOR	01NO.
12a	PRYSMETIC OIL GAUGE FOR MAIN CONS. & DLTC CONSERVATIR	02NO.
13	DRAIN PLUG ON TANK,RADIATORS	16NDS.
14	DRAIN VALVE ON TANK < 100 NB. >	01NO.
14a	DRAIN VALVE ON MAIN CONSERVATOR < 50 NB. >	01NO.
14b	DRAIN VALVE ON DLTC CONSERVATOR < 15 NB. >	01NO.
15	OIL CONSERVATOR (AIR CELL TYPE)	01NO.
15a	DLTC OIL CONSERVATOR 300 DIA. FOR D.L.T.C.	01NO.
17	DEHYDRATING BREATHER FOR MAIN CONSERVATOR	01NO.
17a	DEHYDRATING BREATHER FOR DLTC CONSERVATOR	01NO.
18	THERMOMETER POCKETS WITH ORDINARY THERMOMETER ON TANK COVER	01NO.
19	JACKING PADS	04NDS.
21	DTI PERFECT CONTROL/PRESE MEASURE MAKE (150mm DIAL SIZE)	01NO.
22	WTI PERFECT CONTROL/PRESE MEASURE MAKE (150mm DIA SIZE)	02NO.
23	FLANGE BI-DIRECTIONAL Ø 320 SINGLE WITH STOPPER ARRGT.	04NDS.
25	FILTER VALVE ON TANK < 50 NB. >	02NDS.
26	BUCHHOLZ RELAY (80NB)	01NO.
26a	OIL SURGE RELAY FOR DLTC BHEL MAKE.	01NO.
27	PRESSURE RELIEF DEVICE (SUKRUT MAKE)	02NDS.
28	END COVER FOR MAIN CONSERVATOR & DLTC CONSERVATOR	01+01NO.
34	MARSHALLING BOX	01NO.
42	RADIATOR VALVE 80 NB B/F	28NDS.
43	33 KV, POST INSULATOR FOR HV NEUTRAL GROUNDING STRIPS	03NDS.
43a	HV NEUTRAL GROUNDING STRIPS	01NO.
44	BILANGUAL COMPANY'S MONOGRAM (ON TANK & MAIN CONSERVATOR)	02NDS.
48	MOTOR DRIVING GEAR	01NO.
49	HAND OPERATING HANDLE	01NO.

ITEM NO.	DESCRIPTION	QTY.
50	ON LOAD TAP CHANGER	01NO.
60	RADIATORS	14NDS.
63	FAN & MOTOR	08NDS.
67	FLEXIBLE JOINT (80 NB + 150 NB)	01+02 NDS.
72	A-FRAME FOR HEADER SUPPORT	02NDS.
73	TOP HEADER	02NDS.
74	BOTTOM HEADER	02NDS.
77	RADIATOR TIE BAR	24NDS.
79	LADDER WITH SAFETY FLAP	01NO.
80	OIL INLET VALVE 150 NB	01NO.
81	OIL OUTLET VALVE 150 NB	01NO.
85	SAMPLING VALVE < 15 NB > ON TANK	02NDS.
86	AIR RELEASE VALVE (15 NB) ON COVER	02NO.
86a	AIR RELEASE PLUG ON RADIATORS, HEADERS,	18NDS.
86b	AIR RELEASE PLUGS (3/4" BSP) ON MAIN CONSERVATOR	02NDS.
68c	AIR RELEASE PLUG (1/4" BSP) ON MAIN CONSERVATOR	01NO.
88	BUCHHOLZ RELEASE COCK < 6 NB >	01NO.
101	PRESSURE GAUGE ON MAIN CONSERVATOR	01NO.
115	LOCKING OF CORE ASSY TO TANK COVER	02NDS.
150	HV TURRET (DETACHABLE)	03NDS.
151	LV BUS DUCT FLANGE	01NO.
152	LV N CABLE BOX + DC CHAMBER AND SUPPORT	01NO.
157a	EARTHING CONNECTION BETWEEN CORE TO END FRAME & END FRAME TO TANK	01NO.
157b	EARTHING CONNECTION BETWEEN TOP TANK, TANK COVER	02NDS.
157c	EARTHING CONNECTION BETWEEN TAP CHANGER TO TANK COVER	01NO.
161	BUCHHOLZ GAS RELIES PIPE	01NO.
164	BREATHER PIPE	01NO.
204	CONSERVATOR VALVE < 80 NB FOR MAIN CONS. & 25 NB FOR DLTC CONS.)	02+01NO.
206	VALVE FOR DISCONNECTING RADIATOR BANK	04NDS.
210	VALVE (15 NB) FOR BREATHER CONNECTION ON MAIN CONSERVATOR	01NO.
211	FLEXIBLE SEPERATOR < AIR CELL >	01NO.
272	RTD FOR WTI	02NDS.
273	RTD FOR DTI	01NO.
275	CT TERMINAL BOX FOR HV	04NDS.
275a	CT TERMINAL BOX FOR LV	01NO.
275b	CT TERMINAL BOX FOR HVN	01NO.
275c	CT TERMINAL BOX FOR LVN	01NO.

TABLE OF REFERENCE DRAWINGS

SRL NO.	DESCRIPTION	BHEL DRG.NO.
01	OUT LINE GENERAL ARRANGEMENT	3 458 00 50 925
02	FOUNDATION PLAN OF TRANSFORMER	3 458 00 50 926
03	RATING & DIAGRAM PLATE (HINDI & ENGLISH)	3 458 19 50 126
04	VALVE SHEDULE PLATE	3 458 19 50 127
05	245kV 1250 AMPS. H.V.BUSHING	3 458 00 50 927
06	36KV 2000AMPS. HV N BUSHING	3 458 00 50 928
07	17.5 KV, 3150 AMPS. LV & LVN BUSHING	3 458 00 50 929
08	FOUNDATION PLAN 320 Ø SINGLE ROLLER	3 458 00 50 930
09	LOADING DIAGRAM	3 458 00 50 931
10		

APPROXIMATE WEIGHT

DESCRIPTION	WT.IN KG.
CORE & WINDINGS (INCLUDING OIL ABSORBED)	41600
TANK+FITTINGS (INCLUDING RADITORS) + ACCESSORIES	26173
OIL IN KG.	43880
TOTAL WEIGHT	117800
SHIPPING WEIGHT (GAS FILLED)	57300

NOTES:-

1. WHEN REFERING THIS DRG. STATE 40 MVA & W.D.NO.19115X17100
2. DIMENSIONS MARKED THUS ARE OVER ALL SHIPPING DIMENSIONS EXCLUSIVE OF PACKING.
3. PVC, SWA, PVC ARMoured CABLE WIRING HAVING FLAME RETARDENT LOW SMOKE (FRLS) CHARACTERISTICS UPTO MARSHALLINGBOX ARE SUPPLIED BY BHEL, BUT NOT SHOWN IN THIS DRG. FOR CLARITY.
4. FOUNDATION BOLTS, NUTS & WASHERS ETC. ARE SUPPLIED BY BHEL.
5. OUT SIDE PAINTING SHALL BE EPOXY RAIL 7032

REF. DRG. NO.

SIGN AND DATE

INVENTORY NO.

ADDITIONAL INFORMATION
W.D. 71710A17100

STATUS OF DRAWING

DISTRIBUTION OF PRINTS

TRE	PPC	DAY 1&2	DAY 3,4&5	DAY 6&7	DAY 8	DAY 9	LN	Other
1						4		0

REV	DATE	ALTERED CHECKED
00		DDV1
		APPROVED

REV	DATE	ALTERED CHECKED

TYPE OF PRODUCT OR 01NO. 35/37.5 MVA 220/6.9 KV STATION.
TRFR.

NAME OF CUSTOMER/PROJECT M/S - NSPCL ROURKELA

NAME	SIGN	DATE	NO. OF VAR
DDV1			
CHD			
APPD			

DEPT-TRE	UN.TOL DIM. C/M/F	SCALE	WEIGHT (KG)	REF. TO ASSY. NO.	ITEM NO	NO. OF ITEM
CODE-406						
TITLE OUT LINE GENERAL ARRGT. (TABLE OF FITTINGS)				DRAWING NO. 34580050925		REV. 00
				SHT NO 4		NO OF SHT 4