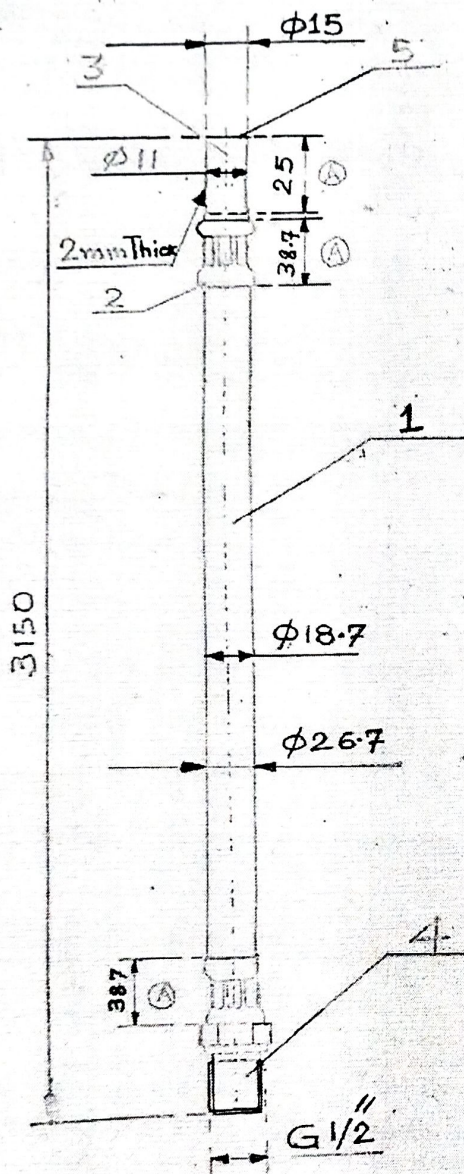
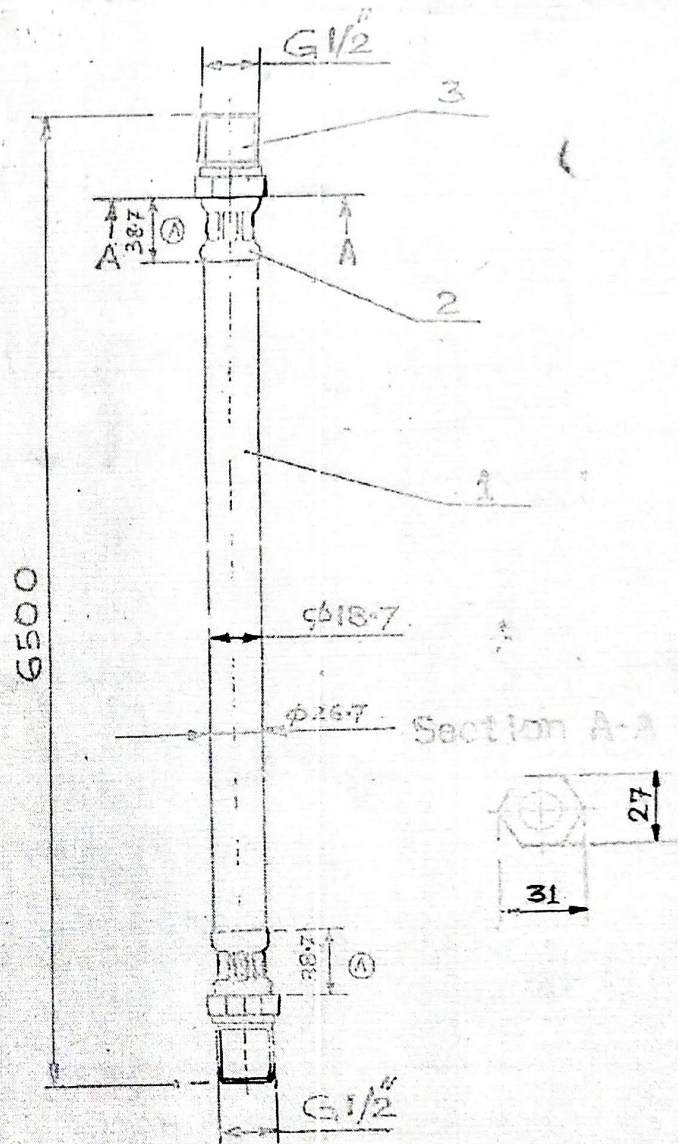


SL.NO.1 HOSE



1. HOSE, NEOPRENE
2. CRIMP SLEEVE (ASTM269 Gr.321)
3. CRIMP NIPPLE (ASTM269 Gr.321)
4. CRIMP NIPPLE (ASTM269 Gr.321)
5. PIPE END OD:- 15mm.
6. OPERATING - PRESSURE:- 30atm.
7. USED FOR CARRYING OILS
8. ALL DIMENSIONS ARE IN MM.

SL.NO.2 CONNECTING HOSE COMPLETE



1. HOSE, NEOPRENE
2. CRIMP SLEEVE (ASTM269 Gr.321)
3. CRIMP NIPPLE (ASTM269 Gr.321)
4. OPERATING - PRESSURE:- 30atm.
5. USED FOR CARRYING OILS
6. ALL DIMENSIONS ARE IN MM.

WAG-9 (1000)

SET OF HOSES
FOR

MAIN TRANSFORMER

APPROVED BY

CHITTARANJAN LOCOMOTIVE WORKS.

ESTD 1952

NO.: CLW/ES/3/SK-2/0456

DATE 3/2/2001

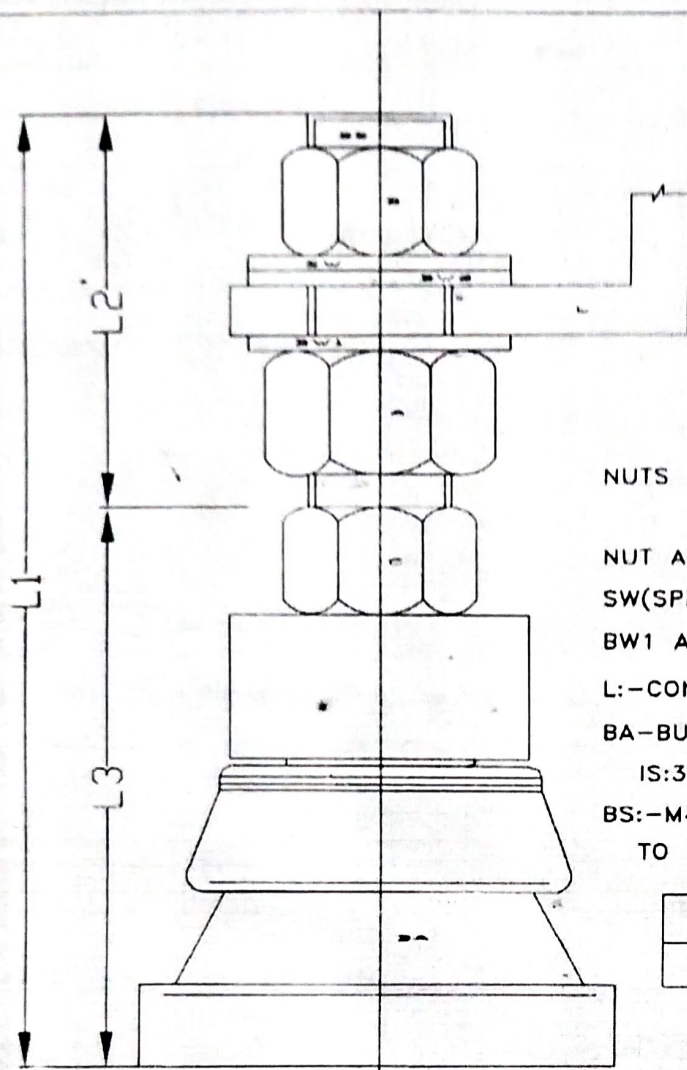
BY: GEE/CON/TU

AT A B C D E F G H I J

DATE
CHKD
REVISED
SEE D82D

DATE
DRILL
JE-1

[illegible]



LEGEND

NUTS B&C 25.6MM Max.

24.3 MM Min.

NUT A M 42X3 HEIGHT 34 MM Max. AND 32.4 MM SW (SPRING WASHER THICKNESS 7MM)

BW1 AND BW2 BRASS WASHER THICK 7MM MACHINED

L:-CONNECTION--COPPER 8.0MM THICK

BA-BUSHING ASSEMBLY (3.6KV/2000A)

IS:3347(P.T.II/SECTION-2)-1979

BS:-M42X3 BUSHING STUD-COPPER

TO IS:3347(P.T.II/SECTION-2)-1979

L1	L2	L3
257±5	103±6.5	154±4

NOTE:- REVISED DRAWING OF CONNECTION AT TRACTION BUSHING/SOD BUSHING FOR LOT 6500/7500KVA
Ref RDSO DRG SKEL-4630 & RDSO LETTER NO. EL/3.2.1/3-PHASE DATE 22/11/2002

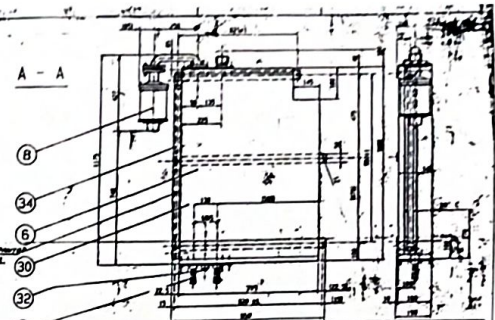
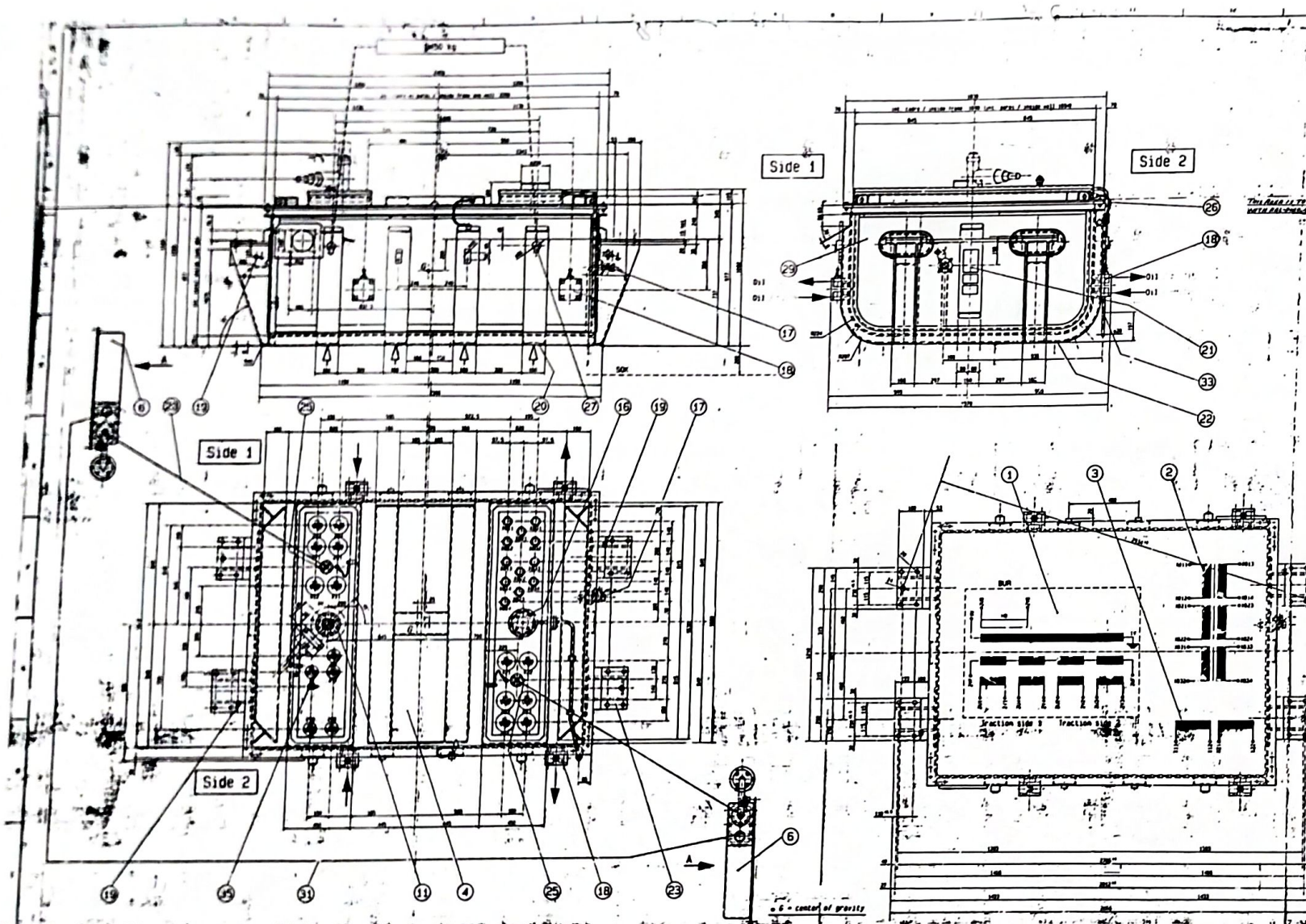
P.P.DAS	CHKD.	SSE/D	AEI, J-1
DRN.			

GENERAL ARRANGEMENT OF
CONNECTION AT TRACTION BUSHING
OF LOT 6500/7500 KVA

DY.CEE.(D-1)

CHITTARANJAN LOCOMOTIVE WORKS
WEST BENGAL, INDIA

NO. CLW/ES/3/SK-6/456/315
DATE:- 20-01-2011



35	Transformer with resistance 11000	1		HSTN 424 136 P1
34	Oil level indicator	2		HSTN 425 277 P15
33	Oil level alarm	1	HP 15	
32	Oil alarm expansion tank	2	HP 1/2"	HSTN 421 136 P1 HP 1/2" 110 P100
31	Expansion tank piping pipe	1		HSTN 612 012
30	Expansion tank piping	1	RAE - 7030	HSTN 612 012
29	Transformer winding	1	RAE - 7021 4"	HSTN 612 012
28	Piping transformer - expansion tank	2		
27	Lifting lug	4		
26	Lid earthing	1	120 mm2	HSTN 422 150 R2
25	venting plate	2	H 12	HSTN 421 077 P1
24	Assembling section plate	8		HSTN 420 705 P1
23	Transformer flange	4	18 x H 24	HSTN 420 705 P1
22	Projection sheet	1	5 mm	
21	Assembling plate	1		HSTN 424 348 P1
20	Assembling support	1		
19	Low earthing	2	H 12	
18	Oil inlet and outlet cooling system	4	HP 10 / 10	HSTN 422 864 P1
17	Draining valve	1	HP 1" 1/4	HSTN 422 864 P1
16	Pressure relief valve	1	0.8 cm ² DN 50	HSTN 400 429 P3
15	Traction / MCR bearing	12	DT 3 / 2000	HSTN 310 505 R2
14	Bus / filter / 10 bushing	3	DT 3 / 630	HSTN 310 505 R2
13				
12	Smoothing reactor bushing	12	DT 1 / 250	HSTN 310 505 R2
11	High voltage bushing	1	Elastoide Typ 750 S1	HSTN 420 783 P1
10	Coupling for expansion tank	1	HP-1/2"	HSTN 422 023 P3
9	Coupling for transformer	2	HP-1/2"	HSTN 422 023 P3
8	Drainer with valve	2	Typ CH 3 MA	HSTN 422 029 P1
7	Male coupling for expansion tank	2	HP-1/2"	HSTN 422 023 P3
6	Expansion tank	2	137 663 x 2	HSTN 310 505 R2
5	Transformer oil	1		
4	Low voltage bushing	1		
3	Series resonant circuit reactor	2	2 500 240	HSTN 205 301
2	Smoothing reactor	1	5 000 120	HSTN 205 302
1	Transformer oil	1	LOT 5000	

Item	Item description	Qty	Type	Performance of wiring
3	Series resonant circuit reactor 2 500 240			

Item	Item description	Qty	Type	Performance of wiring
2	Smoothing reactor 5 000 120			

Item	Item description	Qty	Type	Performance of wiring
1	Transformer oil			

Item	Item description	Qty	Type	Performance of wiring
0	Expansion tank with oil 11000			

Item	Item description	Qty	Type	Performance of wiring
Equipment		200	kg	
5 Oil		1800	kg	
4 Tank + lid		965	kg	
3 Series resonant circuit reactor 2 500 240		585	kg	9 250 kg
2 Smoothing reactor 5 000 120		570	kg	1 3 kg
1 Transformer LOT 5000		5330	kg	

Item	Item description	Qty	Type	Performance of wiring
15	Thread tolerance class up to 15 965			
14	Tightening torque HSTN 421472			
13				
12				
11				
10				
9				
8				
7				
6				
5				
4				
3				
2				
1				