



BILL OF MATERIAL

DEPT	NO OF	TYPE OF PRODUCT	BOM												REV	02	VER	02	
	ITM	VAR	CUSTOMER / PROJECT																
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY												SHEET 1 OF 14		

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	008			001	FASTENING ARRGT. M-16	5	44999650004			01
											NA	
							L=30 (FOR CONS. SUPPORT		0.1		NA	
0	0	0	001			003	CONSERVATOR ASSY. 1300 DIA	5	14993900010			03
											NA	
							FOR DIM. SEE TABLE -1		1080.8		NA	
0	0	0	001			004	BLANKING OF CONSERVATOR	5	14993900010			04
											NA	
							FOR SHIPPING		5		NA	
0	0	0	001			006	AIR CELL	6				
									NA		NA	
							P.I. NO.140603445.		0		NA	
0	0	0	001			007	25 NB ADOPTER ASSY.	4	34991550001			01
											NA	
							SEE NOTE-8		0.4		NA	

PREP BY: S K SHRIVAS	CHKD BY: SHREYANSH JAIN	APPD BY: SHREYANSH JAIN	REV	02
14/07/20	22/08/20	22/08/20	BOM	0 4 6 3 5 1 5 0 0 2 4 VER 02

DISTRIBUTION (DEPT & QTY) (STATUS: -Approved)



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DEPT	NO OF	TYPE OF PRODUCT		BOM														REV	02	VER	02
	ITM	VAR	CUSTOMER / PROJECT																		
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO			TITLE MAIN CONSERVATOR PIPE WORK ASSY										SHEET 2 OF 14				

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			008	80 NB PIPE ASSY. (MK-51)		24995150006			00
									AA10152		NA	
A=184, B=328, J=60, K=204							4.6				NA	
0	0	0	001			009	80 NB EXPANSION JOINT					
								JS9006268390			NA	NO
							5.5				NA	
0	0	0	001			010	80 NB PIPE ASSY. (MK-52)	5	04994750000			01
											NA	
B=150 SL. NO. 2							5.2				NA	
0	0	0	002			011	80 NB C.I. VALVE					
								JS9006272580			NA	NO
							31.5				NA	
0	0	0	001			012	M.S. TUBE (MK-53)	7				
80 NB x 130 lg								AA1011052350		AA10152	NA	MR
TO DETAIL							1.095				NA	

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Jhansi	40600	81	1	CUSTOMER / PROJECT	3 PH 220KV CLASS ABOVE 100MVA AUTO												TITLE	MAIN CONSERVATOR PIPE WORK ASSY												SHEET	3 OF 14	

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			013	M.S. TUBE (MK-54)	7				
							80 NB x 235 lg	AA1011052350	AA10152	NA	MR	
TO DETAIL								2		NA		
0	0	0	001			014	M.S. TUBE (MK-55)	7				
							80 NB x 535 lg	AA1011052350	AA10152	NA	MR	
TO DETAIL								1.095		NA		
0	0	0	001			015	80 NB FLANGE					
								BP9006042400		NA	NO	
WELD ON IT. 012								2		NA		
0	0	0	004			016	FLANGE BSP	7				
							10 Tk x 180 x 210 lg	AA1011808072	AA10108	NA	KG	
TO DETAIL (WELD ON IT. 012,013,014)								2.5		NA		
0	0	0	001			017	80 NB FLANGE					
								BP9006038090		NA	NO	
WELD ON IT. 014 & 020								2		NA		

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	ITM	VAR	CUSTOMER / PROJECT																
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY												SHEET 4 OF 14		

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			018	BUCHHOLZ RELAY					
							JS9006258660			NA	NO	
							ATVUS MAKE	15		NA		
0	0	0	001			019	80 NB PIPE ASSY.(MK-57)			24995150006		02
										TR20015F	NA	
							D=400, M=385	7.3		NA		
0	0	0	001			021	25 NB PIPE ASSY.(MK-69)	5		34995100009		01
											NA	
							B=2700	6.534		NA		
0	0	0	001			022	25 NB PIPE ASSY.(MK-70)	5		34995100009		01
											NA	
							B=1900	4.59		NA		
0	0	0	001			023	25 NB PIPE ASSY. (MK-71)	5		34995100009		01
											NA	
							B=2800	6.776		NA		

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	ITM	VAR	CUSTOMER / PROJECT																
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY												SHEET 5 OF 14		

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			024	80 NB PIPE ASSY. (MK-58) (IT. 003 & 014 NOT REQD.) E=225, F=1294, N=101, P=1170		24995150006			03
									AA10152	NA		
								16.726		NA		
0	0	0	014			026	80 NB GASKET FITTING	4	34594700003			02
										NA		
								0.7		NA		
0	0	0	002			027	GASKET 6 Tk x 180 x 210 lg TO DETAIL	7				
									AA5981702052	AA59802	NA	M2
								0.1		NA		
0	0	0	008			028	FASTENING ARRGT. M-16 L=45 (FOR IT. 027)	5	44999650004			01
										NA		
								0.8		NA		
0	0	0	016			029	80 NB BLANKING OF PIPE FOR SHIPPING					
									BP9006045560		NA	NO
								0.03		NA		

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	ITM	VAR	CUSTOMER / PROJECT																			
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY														SHEET 6 OF 14			

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			030	50 NB PIPE ASSY.(MK-59)		24995150006			04
									AA10152		NA	
G=4950 H=975, R=4864 S=889								35		NA		
0	0	0	002			031	50 NB GASKET FITTING	4	34594700003			03
											NA	
								0.05			NA	
0	0	0	003			032	50 NB BLANKING OF PIPE					
									BP9006045550		NA	NO
FOR SHIPPING								0.05			NA	
0	0	0	010			033	25 NB PIPE CONNECTION	5	34995100009			03
											NA	
WELD ON IT. 024 & 030								0.8			NA	
0	0	0	001			034	25 NB PIPE ASSY. (MK-60)	5	34995100009			01
											NA	
B=1900								5.438			NA	

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Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO		TITLE MAIN CONSERVATOR PIPE WORK ASSY												SHEET 7 OF 14		
ITM		VAR		CUSTOMER / PROJECT																

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			035	25 NB PIPE ASSY. (MK-61)	5	34995100009			01
											NA	
B=1850							5.317			NA		
0	0	0	001			036	25 NB PIPE ASSY. (MK-62)	5	34995100009			01
											NA	
B=1950							5.559			NA		
0	0	0	001			037	25 NB PIPE ASSY. (MK-63)	5	34995100009			01
											NA	
B=1700							5.196			NA		
0	0	0	001			038	25 NB PIPE ASSY. (MK-64)	5	34995100009			01
											NA	
B=1650							5.18			NA		
0	0	0	001			039	25 NB PIPE ASSY. (MK-65)	5	34995100009			01
											NA	
B=1900							5.4			NA		

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	ITM	VAR	CUSTOMER / PROJECT																				
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY															SHEET 8 OF 14			

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			040	25 NB PIPE ASSY. (MK-72)	5	34995100009			01
											NA	
B=2050								5.68			NA	
0	0	0	010			041	WIRING SUPPORT					
									BP9006007970		NA	NO
								0.1			NA	
0	0	0	023			042	MARKING PAD	7				
5 Tk x 20 x 90 lg								AA1011808013	AA10108		NA	KG
SEE NOTE-6 & DETAIL-Z								0.1			NA	
0	0	0	001			043	25 NB BREATHER PIPE ASSY. (MK-66)	5	34995100009			01
											NA	
B=2200								8.7			NA	
0	0	0	001			044	25 NB BREATHER PIPE ASSY.(MK-67)	5	34995100009			01
											NA	
B=2200								9.2			NA	

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DEPT	NO OF	TYPE OF PRODUCT		BOM												REV	02	VER	02						
Jhansi	40600	81	1	CUSTOMER / PROJECT		3 PH 220KV CLASS ABOVE 100MVA AUTO												TITLE MAIN CONSERVATOR PIPE WORK ASSY				SHEET 9 OF 14			

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			045	25 NB BREATHER PIPE ASSY. (MK-68)	5	34995100009			01
											NA	
B=2500								9.7			NA	
0	0	0	024			046	25 NB GASKET FITTING	4	34594700003			05
											NA	
0.4											NA	
0	0	0	033			047	25 NB BLANKING OF PIPE		BP9006045540			NO
FOR SHIPPING								0.025			NA	
0	0	0	001			051	BREATHER	6	NA			
P.I. NO. 140603455.								0.3			NA	
0	0	0	001			054	PET COCK WITH COPPER TUBE	5	34995150001			00
M=6300								1.5			NA	

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14/07/20	22/08/20	22/08/20	BOM	0 4 6 3 5 1 5 0 0 2 4 VER 02

DISTRIBUTION (DEPT & QTY) (STATUS: -Approved)



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DEPT	NO OF	TYPE OF PRODUCT	BOM														REV	02	VER	02																	
Jhansi	40600	81	1	CUSTOMER / PROJECT	3 PH 220KV CLASS ABOVE 100MVA AUTO														TITLE	MAIN CONSERVATOR PIPE WORK ASSY														SHEET	10 OF 14		

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	003			056	6 NB CLIP & MTG.	4	34995100014			00
											NA	
								0.1			NA	
0	0	0	001			057	25 NB PAD	5	34995150009			05
											NA	
							L=90, A=60 (WELD ON CONS.)	0.3			NA	
0	0	0	003			058	25 NB CLIP & MTG.	5	34995150009			02
											NA	
								0.1			NA	
0	0	0	002			059	BRACKET	7				
							6 Tk x 30 x 324 lg	AA1011808030	AA10108		NA	KG
							TO DETAIL	0.2			NA	
0	0	0	004			060	FASTENING ARRGT. M-6	5	44999650000			03
											NA	
							L=16 (FOR 25 NB PIPE SUPPORT BRACKET)	0.05			NA	

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ITM		VAR		CUSTOMER / PROJECT																							
Jhansi		40600		81		1		3 PH 220KV CLASS ABOVE 100MVA AUTO		TITLE MAIN CONSERVATOR PIPE WORK ASSY														SHEET 11 OF 14			
VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR															
03	02	01	00						MAT CODE	MAT SPEC			A/C	UM	UNIT WT	QTY	GS	ZONE									
0	0	0	001			061	BRACKET	7																			
							10 Tk x 50 x 685 lg	AA1011808072	AA10108	NA	KG																
							TO DETAIL	2.6		NA																	
0	0	0	004			062	FASTENING ARRGT. M-12	5	44999650003			03															
							L=25 (FOR BRACKET & BREATHER)	0.1		NA																	
0	0	0	001			063	FLANGE	7																			
							12 Tk x 76 x 76 lg	AA1011808099	AA10108	NA	KG																
							TO DETAIL (AFTER M/C=10)	0.4		NA																	
0	0	0	001			064	M.S. TUBE	7																			
							25 NB x 100 lg	AA1011052300	AA10152	NA	MR																
							SEE DETAIL-B	0.3		NA																	
0	0	0	001			065	BLANKING PLATE	7																			
							5 Tk x 76 x 76 lg	AA1011808013	AA10108	NA	KG																
							TO DETAIL (FOR SHIPPING)	0.3		NA																	
PREP BY: S K SHRIVAS				CHKD BY: SHREYANSH JAIN				APPD BY: SHREYANSH JAIN				REV				02											
14/07/20				22/08/20				22/08/20				BOM				02											
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	ITM	VAR	CUSTOMER / PROJECT	0 4 6 3 5 1 5 0 0 2 4																
Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY												SHEET 12 OF 14			

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	002			066	GASKET	7				
							6 Tk x 76 x 76 lg	AA5981702052	AA59802	NA	M2	
TO DETAIL							0.05			NA		
0	0	0	001			067	25 NB BUCHHOLZ RELAY					
							ON CONS.	10		NA		
							BP9006035590			NA	NO	
0	0	0	004			068	FASTENING ARRGT. M-10		44999650002			03
							L=30 (FOR 25 NB BUCHHOLZ RELAY MTG.)	0.08		NA		
0	0	0	001			069	RAIN SHED FOR BUCHHOLZ RELAY	7				
							3.15 Tk x 300 x 544 lg	AA1011713136	AA10113	NA	KG	
TO DETAIL							4			NA		
0	0	0	001			070	RAIN SHED COVER FOR M.O.G.	7				
							3.15 Tk x 200 x 400 lg	AA1011713136	AA10113	NA	KG	
TO DETAIL (WELD WITH 071)							2.4			NA		

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Jhansi	40600	81	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE MAIN CONSERVATOR PIPE WORK ASSY												SHEET 13 OF 14		

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			071	RAIN SHED FOR M.O.G.	7				
							3.15 Tk x 250 x 628 lg	AA1011713136	AA10113	NA	KG	
TO DETAIL							3.9			NA		
0	0	0	001			076	M.S. TUBE	7				
							25 NB x 1784 lg	AA1011052300	AA10152	NA	MR	
SEE DETAIL-C							4.317			NA		
0	0	0	001			077	FLANGE 25 NB					
								BP9006036650		NA	NO	
SEE DETAIL-C							0.42			NA		
0	0	0	001			078	FLANGE 25 NB	7				
							10 Tk x 36 ID x 115 OD	AA1011808137	AA10108	NA	KG	
TO DETAIL (WELD ON IT. 076)							1.103			NA		
0	0	0	004			079	FASTENING ARRGT. M-12	5	44999650003			01
										NA		
L=65							0.04			NA		

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Jhansi	40600	81	1	CUSTOMER / PROJECT	3 PH 220KV CLASS ABOVE 100MVA AUTO												TITLE	MAIN CONSERVATOR PIPE WORK ASSY												SHEET	14 OF 14	

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR
03	02	01	00						MAT CODE	MAT SPEC		
REMARKS							UNIT WT	QTY	GS	ZONE		
0	0	0	001			080	CORD GASKET	7				
							8 OD x 200 lg	BP5984407611	AA59807	NA	MR	
								0.03		NA		
0	0	0	001			081	GASKET	7				
							6 Tk x 36 ID x 115 OD	AA5981702052	AA59802	NA	M2	
							TO DETAIL (FOR BREATHER FLANGE MTG.)	0.04		NA		

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