



# BILL OF MATERIAL

DEPT	NO OF	TYPE OF PRODUCT	BOM										REV	00	VER	01		
	ITM	VAR	CUSTOMER / PROJECT															
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE HEADER PIPE WORK ASSY.										SHEET 1 OF 10			

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			001	A-FRAME ASSY. FOR SINGLE HEADER	4	04994300019			08
											NA	
OMIT IT. 016 TO 018 N=2								523			NA	
0	0	0	001			002	TOP HEADER ASSY.	5	14634350029			02
											NA	
H.V. SIDE=420 G=420 Z=10 J=60								413.67			NA	
0	0	0	001			003	BOTTOM HEADER ASSY.	5	14634350029			03
											NA	
H.V. SIDE								404.3			NA	
0	0	0	001			004	TOP HEADER ASSY.	5	14634350029			00
											NA	
I.V. SIDE								413.67			NA	
0	0	0	001			005	BOTTOM HEADER ASSY.	5	14634350029			01
											NA	
I.V. SIDE								404.3			NA	

PREP BY: SUDHIR GUPTA	CHKD BY: S K SHRIVAS	APPD BY: SHREYANSH JAIN	REV	00
13/07/20	14/08/20	17/08/20	BOM	0 4 6 3 4 3 5 0 0 2 7 VER 01

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



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DEPT	NO OF	TYPE OF PRODUCT	BOM													REV	00	VER	01	
	ITM	VAR	CUSTOMER / PROJECT																	
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE HEADER PIPE WORK ASSY.													SHEET 2 OF 10		

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	004			006	PAD FOR 'A' FRAME SUPPORT	7				
							16 Tk x 240 x 300 lg	AA1011808110	AA10108	NA	KG	
							TO DETAIL, WELD WITH IT. 001 & 031	8.91		NA		
0	0	0	004			007	BASE PLATE	7				
							20 Tk x 300 x 300 lg	AA1011808137	AA10108	NA	KG	
							TO DETAIL, WELD IT. 031	13.933		NA		
0	0	0	048			008	FASTENING ARRGT M 16	5	44999650004			00
							L=65, (FOR HEADER & A-FRAME SUPPORT MTG.)	0.2		NA		
0	0	0	008			009	RADIATORS 9F, 28E, 3000 V.C.	6				
							P.I.-140603444	0		NA		
0	0	0	012			010	RADIATOR TIE BAR	5	24994300019	001		
							A=650, B=600	1.2		NA		

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	ITM	VAR	CUSTOMER / PROJECT																		
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO		TITLE HEADER PIPE WORK ASSY.													SHEET 3 OF 10		

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	016			011	FASTENING ARRGT. M 16	5	44999650004			03
											NA	
L=30, (FOR TIE BAR MTG.)								0.1			NA	
0	0	0	004			012	150 NB PIPE ASSY. (MK-012) SL. NO. -4	5	04994750000			01
											NA	
B=450 (SEE DETAIL-A)								18.5			NA	
0	0	0	004			013	150 NB T-PIPE & MTG.	5	34994350000			00
											NA	
IT. 001 & 007 NOT REQD. WELD ON IT 012								8.5			NA	
0	0	0	002			014	STOPPING DEVICE ASSY.	4	34994350014			00
											NA	
								93			NA	
0	0	0	004			015	SPACER	5	24994300019		002	
											NA	
FOR IT. 010								0.2			NA	

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	ITM	VAR	CUSTOMER / PROJECT																	
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO		TITLE HEADER PIPE WORK ASSY.												SHEET 4 OF 10		

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			016	OIL FLOW INDICATOR 150 N.B. (RIGHT TO LEFT)					
							JS9006278830			NA	NO	
FOR 800 LPM							4.3			NA		
0	0	0	002			017	OIL FLOW INDICATOR 150 N.B. (LEFT TO RIGHT)					
							JS9006278820			NA	NO	
FOR 800 LPM							4.3			NA		
0	0	0	012			018	150 NB B/F VALVE & MTG.	4	34995100001			02
										NA		
							11.06			NA		
0	0	0	004			019	OIL PUMP & MOTOR					
							JS9006278720			NA	NO	
FOR 800 LPM							42			NA		
0	0	0	002			020	EXPANSION JOINT SS 150 NB					
							JS9006268110			NA	NO	
							12			NA		

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DEPT	NO OF	TYPE OF PRODUCT	BOM										REV	00	VER	01							
	ITM	VAR	CUSTOMER / PROJECT																				
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO										TITLE HEADER PIPE WORK ASSY.					SHEET 5 OF 10				

VAR NO & VAR QTY				DU	VAR	ITM NO	DESCRIPTION	S	DRG NO		ITEM	VAR	
03	02	01	00						MAT CODE	MAT SPEC			A/C
REMARKS							UNIT WT	QTY	GS	ZONE			
0	0	0	001			021	150 NB PIPE ASSY.(MK-010)	5	04994750000			04	
											NA		
C=1285, D=245, SRL-4							30.13			NA			
0	0	0	002			022	FLANGE 150 NB						
											NA	NO	
										5.5		NA	
0	0	0	001			023	FLANGE 200 NB						
											NA	NO	
										9		NA	
0	0	0	002			024	150 NB PIPE ASSY.(MK-009)	5	04994750000			10	
											NA		
A=245, B=435, C=750, D=245 SRL-4							32			NA			
0	0	0	017			025	150 NB FLANGE JOINT	4	34594700003			01	
											NA		
										2.6		NA	

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DEPT	NO OF	TYPE OF PRODUCT	BOM													REV	00	VER	01	
	ITM	VAR	CUSTOMER / PROJECT																	
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE HEADER PIPE WORK ASSY.													SHEET 6 OF 10		

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	031			026	MARKING PAD BSP	7				
5 Tk x 20 x 90 lg							AA1011808013	AA10108	NA	KG		
DETAIL-Z & SEE NOTE-6							0.07		NA			
0	0	0	025			027	WIRING SUPPORT					
							BP9006007970		NA	NO		
							0.06		NA			
0	0	0	006			028	150 NB PIPE SUPPORT(MK-003)	5	34995150002			01
									NA			
A=449, H=548							13.41		NA			
0	0	0	001			029	200 NB PIPE SUPPORT(MK-011)	5	34995150002			02
									NA			
A=4976, H=5102							54.77		NA			
0	0	0	008			030	GUSSET BSP	7				
8 TK X 250 X 250 LG							AA1011808056	AA10108	NA	KG		
TO DETAIL, WELD WITH IT. 031 & 007							2.7		NA			

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DEPT	NO OF	TYPE OF PRODUCT	BOM													REV	00	VER	01	
	ITM	VAR	CUSTOMER / PROJECT	0	4	6	3	4	3	5	0	0	2	7						
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE HEADER PIPE WORK ASSY.													SHEET 7 OF 10		

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																																																																																																																																																																										
REMARKS							UNIT WT	QTY	GS	ZONE																																																																																																																																																																														
0	0	0	004			031	R C CHANNEL	7												125 x 65 x 5 x 7.5 x 4829 lg	AA1012708047	AA10108	NA	MR	TO DETAIL							59			NA		0	0	0	002			032	150 NB PIPE ASSY. (TOP)x 160 LG.(MK-001)	7												4.8 Tk x 166.5 OD x 160 lg	AA1011047020	AA10147	NA	MR	TO DETAIL & CUT TO SUIT							5.46			NA		0	0	0	001			033	200 NB PIPE ASSY (TOP) (MK-002)	5	04994750000			09											NA		C=176, D=412,B=643,A=1231 SRL -5							65			NA		0	0	0	001			034	200 NB PIPE	7												4.8 Tk x 216.5 OD x 490 lg	AA1011047020	AA10147	NA	MR								12.49			NA		0	0	0	001			035	200 NB PIPE ASSY (TOP)(MK-004)	5	04994750000			04											NA		C=325,D=325,G=0,C=0							40.48			NA	
							125 x 65 x 5 x 7.5 x 4829 lg	AA1012708047	AA10108	NA	MR																																																																																																																																																																													
TO DETAIL							59			NA																																																																																																																																																																														
0	0	0	002			032	150 NB PIPE ASSY. (TOP)x 160 LG.(MK-001)	7												4.8 Tk x 166.5 OD x 160 lg	AA1011047020	AA10147	NA	MR	TO DETAIL & CUT TO SUIT							5.46			NA		0	0	0	001			033	200 NB PIPE ASSY (TOP) (MK-002)	5	04994750000			09											NA		C=176, D=412,B=643,A=1231 SRL -5							65			NA		0	0	0	001			034	200 NB PIPE	7												4.8 Tk x 216.5 OD x 490 lg	AA1011047020	AA10147	NA	MR								12.49			NA		0	0	0	001			035	200 NB PIPE ASSY (TOP)(MK-004)	5	04994750000			04											NA		C=325,D=325,G=0,C=0							40.48			NA																																						
							4.8 Tk x 166.5 OD x 160 lg	AA1011047020	AA10147	NA	MR																																																																																																																																																																													
TO DETAIL & CUT TO SUIT							5.46			NA																																																																																																																																																																														
0	0	0	001			033	200 NB PIPE ASSY (TOP) (MK-002)	5	04994750000			09											NA		C=176, D=412,B=643,A=1231 SRL -5							65			NA		0	0	0	001			034	200 NB PIPE	7												4.8 Tk x 216.5 OD x 490 lg	AA1011047020	AA10147	NA	MR								12.49			NA		0	0	0	001			035	200 NB PIPE ASSY (TOP)(MK-004)	5	04994750000			04											NA		C=325,D=325,G=0,C=0							40.48			NA																																																																											
										NA																																																																																																																																																																														
C=176, D=412,B=643,A=1231 SRL -5							65			NA																																																																																																																																																																														
0	0	0	001			034	200 NB PIPE	7												4.8 Tk x 216.5 OD x 490 lg	AA1011047020	AA10147	NA	MR								12.49			NA		0	0	0	001			035	200 NB PIPE ASSY (TOP)(MK-004)	5	04994750000			04											NA		C=325,D=325,G=0,C=0							40.48			NA																																																																																																																
							4.8 Tk x 216.5 OD x 490 lg	AA1011047020	AA10147	NA	MR																																																																																																																																																																													
							12.49			NA																																																																																																																																																																														
0	0	0	001			035	200 NB PIPE ASSY (TOP)(MK-004)	5	04994750000			04											NA		C=325,D=325,G=0,C=0							40.48			NA																																																																																																																																																					
										NA																																																																																																																																																																														
C=325,D=325,G=0,C=0							40.48			NA																																																																																																																																																																														

PREP BY: SUDHIR GUPTA	CHKD BY: S K SHRIVAS	APPD BY: SHREYANSH JAIN	REV	00
13/07/20	14/08/20	17/08/20	BOM	0 4 6 3 4 3 5 0 0 2 7 VER 01

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DEPT	NO OF	TYPE OF PRODUCT	BOM													REV	00	VER	01	
	ITM	VAR	CUSTOMER / PROJECT																	
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE HEADER PIPE WORK ASSY.													SHEET 8 OF 10		

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			036	150 NB PIPE ASSY(MK-005)	5	04994750000			04
											NA	
C=1285, D=300, SRL - 4								31.19			NA	
0	0	0	002			037	150 NB PIPE ASSY(MK-006)	5	04994750000			01
											NA	
B=714, SRL - 4								14			NA	
0	0	0	004			038	150 NB PIPE ASSY (MK-007)	5	04994750000			01
											NA	
B=300, SRL -4								5.9			NA	
0	0	0	002			039	150 NB PIPE ASSY(MK-008)	5	04994750000			04
											NA	
C=286, D=1316, SRL - 4								34.22			NA	
0	0	0	002			040	24" DIA FAN SUPPORT ASSY.		24634350016			00
											NA	
								166			NA	

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Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO	TITLE HEADER PIPE WORK ASSY.													SHEET 9 OF 10		

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	016			041	FASTENING ARRGT. M16	5	44999650004			03
											NA	
							L=40 (FOR FAN SUPPORT MTG.)	0.1			NA	
0	0	0	012			042	24" DIA FAN WITH MOTOR	2				
									JS9006281520		NA	NO
									35		NA	
0	0	0	048			043	GASKET	2				
									BP9006006680		NA	NO
							FOR FAN MTG.	0.1			NA	
0	0	0	048			044	FASTENING ARRGT. M10	5	44999650002			00
											NA	
							L=50 (FOR 24" FAN MTG. )	0.1			NA	
0	0	0	012			045	TOP & BOTTOM FAN GUARD	2				
									JS9006268300		NA	NO
							(FOR 24" DIA FAN)	19			NA	

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	ITM	VAR	CUSTOMER / PROJECT																		
Jhansi	40600	49	1	3 PH 220KV CLASS ABOVE 100MVA AUTO										TITLE HEADER PIPE WORK ASSY.					SHEET 10 OF 10		

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			046	BLANKING PLATE BSP	7				
							5 Tk x 202 OD	AA1011808013	AA10108	NA	KG	
								0.024		NA		
0	0	0	001			047	EXPANSION JOINT SS 200 NB					
								JS9006270520		NA	NO	
								20		NA		
0	0	0	004			048	PIPE SUPPORT	5	34994350001			00
										NA		
							WELD WITH PIPE ASSY IT. 012	4.6		NA		
0	0	0	004			049	PIPE SUPPORT	5	34994350001			02
										NA		
							A=278	6.8		NA		

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