


DESIGN TEMP. °C	90	PIPING SPEC.	1SM0B01
DESIGN PRESS. bar (g)	5.5 /FV	P&ID No;	TIN/014/BE/DCNB/M1/PID/15
OPERATING TEMP. °C	65	PIPING GAD.	TIN-014-BE-DCNB-M1-PIP-GAD-01
OPERATING PRESS. bar (g)	5.5	PAINTING SPEC.	AIL/JHAGADIA/PAINTING/01
TEST PRESSURE bar (g)	8.25	INSULATION SPEC.	ZSI-MT 402 & 401
TEST MEDIUM,	Water	PIPE SUPPORT STD.	ZSI-PS-AIL-001
RADIOGRAPHY	10%	TRACING	N
P.W.H.T.	NO	STRESS REQ.	-
INSULATION TYP/THK.	Mineral wool/65	STRESS SYSTEM NO	-

- NOTES:
- 1) ALL DIMENSIONS AND ELEVATION ARE IN MM.
  - 2) SITE TO VERIFY DIMENSION PRIOR TO ERECTION OF PIPE
  - 3) THE SPOOL LENGTH TO BE ADJUSTED AT SITE TO MATCH THE NOZZLE OF EQUIPMENT/PUMP/PACKAGES
  - 4) PLEASE CONSIDER SOCKOLET FOR 2" AND BELOW AND WELDOLET ABOVE 2" WHERE COUPLING IS CONSIDERED IN BRANCHING

SOCKET WELD	SUPPORT PIPE	SHOP WELD	TRACED PIPE	INSUL PIPE	PART NO.	CUT LENGTH

BILL OF MATERIALS				
MATERIAL LIST				
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	QTY	HOLD
1	PIPE PIPE, SS, SMLS, BW, SCH-10S, ASME B 36.19 ASTM A312 TP316L	4	4466MM	
PT NO	COMPONENT DESCRIPTION	N.S. (INS)	QTY	HOLD
2	FITTINGS 90 ELBOW, BW, SS, ASME B16.9 SCH 10S ASTM A403-WP-316L-S	4	2	
3	45 ELBOW, BW, SS, ASME B16.9 SCH 10S ASTM A403-WP-316L-S	4	1	
4	FLANGES FLANGE WNRF ANSI B16.5 150#.RF SCH 10S SS ASTM A 182-F316L	4	1	
5	GASKETS GASKET, EXPANDED PTFE 3MM THK, 150# RF, ASME B16.21	4	1	
6	BOLTS 100 LONG STUD BOLTS & TWO NUTS WITH WASHER, STUD: ASTM A 193 GR. B8M Class 2, ASME B18.31.2	5/8	8	
7	NUTS: ASTM A 194 GR. 8M Class 2, ASME B18.2.2	5/8	16	
8	WASHER ASTM A193 GR. B8M	5/8	16	
9	SUPPORTS T2- ZSI-PS-202, SUPPORT, H = 250, L = 250, D = 80, C = 75	4	1	
10	SS-1, ZSI MT-101, SHOE SUPPORT, H =100	4	1	

CUT PIPE LENGTH							
PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS	PIECE NO	CUT LENGTH	N.S. (INS)	REMARKS
<1>	523	4		<2>	253	4	
<3>	3690	4					

3	ISSUED FOR CONSTRUCTION			25/05/2021	HARI	HAWALDAR	RGP
Revision	Description			Date	Drawn	Chk'd.	Appd.
REVISION STATUS							
Project No.: PE3021		Project : BASIC & DETAIL ENGG. FOR 2,5 DCNB PLANT				LOCATION: JHAGADIA –GUJARAT	
 <b>ZEPPELIN®</b> WE CREATE SOLUTIONS Zeppelin Systems India Pvt. Ltd. Level 4, ADM Building, Alembic campus, Alembic Road, Vadodara–390 003, India				Client : AARTI INDUSTRIES LTD.		Size A3	
				Title :  100-PL-1SM0B01-121508-H-65_MP		Scale NTS	
						Page 1 of 4	
				Dwg. No.: PE3021-MI-003		Revision 3	
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