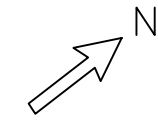
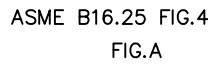


DRAWING NO.

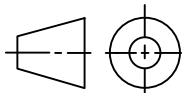


NOTES: ALL DIMENSIONS ARE IN MILLIMETRES

1. DESIGN PRESSURE - 0.2 KG/CM2 (G) DESIGN TEMPERATURE: 250°C
2. FOR STANDARD NOTES OF PRODUCTION AND ERECTION OF PIPES AND TOLERANCE ON FITTINGS REFER DRG NO. 4-80-001-37654 & 4-80-301-26192
3. FOLLOW APPLICABLE QP AND PAINTING SCHEDULE FOR THE PROJECT
4. ALL UNMARKED BENDS/ELBOWS ARE 90 DEG
5. PIPE ENDS SHALL BE BEVELLED AS PER B16.25 FIG.2 TYPE-A
6. GASKET IS SUPPLIED VIDE 7419-80-733 PGMA.
7. FOR ELECTRODE DATA REFER

PIPE SIZE	MATERIAL SPEC	EP FIG	WELD SPEC	ELECTRODE DATA	
				ROOT RUN	FILLER RUN
OD1820x4 OD1620x4 OD610x6	ASTMA182GR.F316L	FIG—A	8 $\overline{\vee}$ 6 $\overline{\vee}$	ER316L	ER316L/ E316L—15/16

---	22	PLUG B16.11 SCRM 3000# 1"	2-80-655-15977		---		0 430
					ASTM A 182 GR.F316L		1
---	21	HANDLE FOR MANHOLE COVER 12Ø L=300MM	2-80-655-15977		---	C	0 473
					ASTM A 182 GR.F316L		2
---	20	SW STUB 1" CL3000	2-80-655-15977		---	C	0 516
					ASTM A 182 GR.F316L		1
FBF6321Z048ZZZZZZ	19	BLIND FLANGE. CL.150 FF/125AARH 72"	2-80-655-16057	16	ASTM A 182 GR.F316L	C	214 297
P18Y313Z04845ZZZZ	18	P.F PIPE OD1820x4 L=3425	3-80-655-35571		---	C	625 268
				10	ASTM A 182 GR.F316L		1
P18Y313Z02445ZZZZ	17	PIPE OD610x4 L=848	3-80-655-35573		---	C	51 635
				02	ASTM A 182 GR.F316L		1
GKFDSC2Z024ZZZZZZ	16	GASKET JOB STD EXPANDED PTFE CORD 150# 7MM THK - 24"	2-80-655-15977		----		-- --
					----		1
---	15	NUT 5/8" UNC	2-80-655-15977		----		0 033
					A-194 Gr.8M		80
---	14	STUD 5/8" UNC L=113MM	2-80-655-15977		----		0 224
					A-193 Gr. B8M Cl. 2		40
FNFC121Z024ZZZZZZ	13	FLANGE.SO CL.150 FF/125AARH 24"	2-80-655-16056		----	C	27 781
				04	ASTM A 182 GR.F316L		1
FBF6321Z024ZZZZZZ	12	BLIND FLANGE. CL.150 FF/125AARH 24"	2-80-655-16057		----	C	43 985
				04	ASTM A 182 GR.F316L		1
GKFDSC2Z048ZZZZZZ	11	GASKET JOB STD EXPANDED PTFE CORD 150# 7MM THK - 72"	2-80-655-15977		----		-- --
					----		3
---	10	NUT 3/4" UNC	2-80-655-15977		----		0 065
					A-194 Gr.8M		480
---	09	STUD 3/4" UNC L=131MM	2-80-655-15977		----		0 322
					A-193 Gr. B8M Cl. 2		240
FNFC121Z048ZZZZZZ	08	FLANGE.SO CL.150 FF 72"	2-80-655-16056		----	C	82 104
				16	ASTM A 182 GR.F316L		4
WDMBV41Z0484504ZZ	07	P.F 45° MITRE BEND OD1820x4	3-80-655-35576		----	C	404 918
					ASTM A 182 GR.F316L		1
WDMBV41Z0484505ZZ	06	P.F MITRE BEND 90DEG OD1820x4	2-80-655-16058		----	C	809 836
				15	ASTM A 182 GR.F316L		2
P18Y313Z04845ZZZZ	05	P.F PIPE OD1820x4 L=7167	3-80-655-35571		----	C	1307 774
				09	ASTM A 182 GR.F316L		1
P18Y313Z04845ZZZZ	04	P.F PIPE OD1820x4 L=1282	3-80-655-35571		----	C	233 928
				08	ASTM A 182 GR.F316L		1
P18Y313Z04845ZZZZ	03	P.F PIPE OD1820x4 L=648	3-80-655-35571		----	C	118 298
				07	ASTM A 182 GR.F316L		1
P18Y313Z04845ZZZZ	02	P.F PIPE OD1820x4 L=4030	3-80-655-35571		----	C	735 542
				06	ASTM A 182 GR.F316L		1
P18Y313Z04845ZZZZ	01	P.F PIPE OD1820x4 L=2730	3-80-655-35571		----	C	498 388
				05	ASTM A 182 GR.F316L		1
ITEM CODE	ITEM NO.	DESCRIPTION	DRAWING NO.	ITEM NO. VAR.	MATERIAL CODE	A	UNIT WT.
					MATERIAL SPEC.	C	QTY.

CUSTOMER		INDIAN OIL CORPORATION LIMITED (HALDIA)				BHEL	
CONSULTANT		ENGINEERS INDIA LIMITED (EIL) NEW DELHI				CUSTOMER NO. 7419	
NAME OF PROJECT		BS-VI, HALDIA					
		BHARAT HEAVY ELECTRICALS LTD., PIPING CENTRE, CHENNAI 600 017		DRN E.PYRIA SIGN -sd- DATE 27.02.19	CHD SARAVANAN.C SIGN -sd- DATE 27.02.19	APPD KVR SIGN -sd- DATE 27.02.19	NO OF ITEMS
DEPT.	GRADE OF UN TOL. DIM		SCALE	WEIGHT (Kg).			ITEM No.
CODE	C/M/F						
TITLE EIL DRAWING NO: 72-P-205-2402-K42N-IH-E (SH 1 OF 2)				CARD CODE U 01	DRAWING No. 2-80-655-15977		REV 02