

 ENAR PETROTECH SERVICES (PVT.) LTD.		LEVEL TRANSMITTER (NON-CONTACT RADAR)		DATA SHEET NO.	0162-IMA-6079
				SHEET	1 of 2
				DATE	17-Aug-17
				REV.	1
				PREPARED BY	WAS
				CHECKED BY	NAS
				APPROVED BY	NAS
OWNER:		OIL & GAS DEVELOPMENT COMPANY LIMITED (OGDCL)			
PROJECT:		DAKHNI GAS PLANT INSTRUMENT UPGRADATION			
1	Quantity			See Sheet 2	
2	Tag Number			See Sheet 2	
3	Process Service Conditions			See Sheet 2	
4	Level Transmit Height	(mm)		See Sheet 2	
5	TRANSMITTER				
6	Measurement Type			Level	
7	Type			Non-Contact Radar Type	
8	Measuring Principle			Frequency Modulating Continuous Wave (FMCW)	
9	Local Indication			Yes (Remote)	
10	Transmitter Mounting			Top Mounting	
11	Calibration Range	(mm)		0-3660	
12	Power Supply (Loop Powered)			24VDC	
13	Output Signal			4-20mA with HART	
14	Accuracy			±1 mm	
15	Electrical Connection	Note-3		M 20 x 1.5	
16	Process Connection	Note-1		4"-150 RF	
17	Flange Material			A-105N Carbon Steel	
18	Material Exposed to Tank inside			Stainless Steel	
30	Manufacturer Model			VTA	
31	ANTENNA				
32	Antenna Type			Horn Antenna	
33	Antenna Size	Note-4		VTA	
34	Antenna Operating Frequency			VTA	
35	Antenna Material			VTA	
36	TRANSMITTER HOUSING				
37	Housing Material			Cast Aluminum / Manufacturer Standard	
38	Electrical Classification			Ex 'd' IIC T4	
39	Enclosure Protection			IP65	
40	ACCESSORIES				
41	Cable Gland Required	Note-3		No	
42	SS Tag Required	Note-2		Yes	
43	Electrical Entry Plugs Required	Note-3		Yes	
44	NACE Compliance	Note - 5		Yes	
45	NOTES:				
	1-	Vendor shall confirm that the selection of Level transmitter flange outer diameter to match with process flange diameter			
	2-	Vendor shall provide SS Tag attached with SS Screws or SS wire. Tag shall contain Tag Number and Model Number of Transmitter.			
	3-	Vendor shall provide Ex'd' plugs for each Electrical Entry			
	4-	Vendor to advise for the selection of Antenna size & type according to tank height and fluid of application			
	5-	All wetted parts shall conform to NACE MR-0175 / ISO 15156 (latest edition).			
	6-	Vendor shall provide all necessary material for mounting on process flange connection such as gaskets, bolts in 316 SS material etc.			
	*	VTA = Vendor to Advice			



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