

Client : IOCL			Dept./Sect. : 16/43	
Project : PARADIP REF-S'BY SRU				
Location : PARADIP, ODISHA			Tag No: 513FE	Sheet No. 1 of 1
GATE VALVE SPECIFICATION			MANUF'S OFFER	
TAG NO. : 513FE PIPING CLASS : A53G			STANDARD:	
RATING : 150 STANDARD : API-600			MFGRS CAT/FIG:	
SIZE RANGE : 2.0" TO 8.0" ENDS : FLGD TO B-16.5 FF/125AARH			(For category -II MRs only)	
			RATING:	ENDS:
DESCRIPTION	CONSTRUCTION	MATERIAL	CONSTRUCTION	MATERIAL
BODY	CAST	ASTM B62 UNS C83600		
BONNET	BOLTED	ASTM B62 UNS C83600		
STEM	NON RISING	BRONZE		
WEDGE DISC	FLEXIBLE	BRONZE		
BODY SEAT RING	RENEWABLE	BRONZE		
STEM PACKING	RENEWABLE WITH VALVE OPEN ON STREAM	CORROSION INHIBITED DIE FORMED FLEXIBLE GRAPHITE WITH BRAIDED ANTI EXTRUSION RINGS		
HAND WHEEL	NON RISING	MALLEABLE IRON/CAST STEEL/FORGED STEEL/DUCT. IRON		
BONNET BOLTS		ASTM A 193 GR B7 (HDG)		
BONNET NUTS		ASTM A 194 GR 2H (HDG)		
BONNET GASKET		NON ASB. SYNTHETIC FIBER+ RUBBER BINDER		
REQUIREMENT OF GEAR OPERATOR		REFER JOB SUPPLY SPECIFICATION FOR VALVES.		
REQUIREMENT OF RADIOGRAPHY		REFER JOB SUPPLY SPECIFICATION FOR VALVES.		
SPECIAL SERVICE CONDITIONS		MAX. TEMP 70 DEG C		
BACK SEAT & SHOULDER		BRONZE		
OTHERS	OS&Y			
WEDGE FACING RINGS & NUT		BRONZE		
HYDROSTATIC TEST PRESSURE	BODY : 348 PSIG	SEAT : 232 PSIG		
TEST PRESSURE WITH AIR				

NOTES

- THIS VALVE SPEC SHEET SHALL BE READ IN CONJUNCTION WITH TECHNICAL NOTES FOR VALVES.
- ONLY IN THE CASE OF CATEGORY - II MRs, BIDDER SHALL CLEARLY WRITE ALL/ ANY DEVIATION AGAINST EACH PART/ MATERIAL OF VALVE IN THE SPACE PROVIDED FOR AND WHEREVER BIDDER AGREES WITH EIL'S SPEC BIDDER SHALL INDICATE "AGREED".
- NO CUTTING/ OVERWRITING BY BIDDER ON EIL'S SPEC IS ALLOWED.
- TESTING SHALL BE AS PER API-598.
- FLANGE END SHALL BE FLAT FACE DRILLED TO ANSI B16.5, 150#.
- RADIOGRAPHY OF VALVE CASTINGS NOT REQUIRED.

SIGNATURE
&
SEAL
OF MANUFACTURER

SHEET REV. NO.	0	1
DATE	27/04/2021	18/06/2021

513FE