

TECHNICAL SPECIFICATIONS OF BALL VALVE			ANNEXURE-1
Sl. No	Description		
1	PIPING CLASS/ MOC	: GI	
2	RATING/ CLASS	: 800#	
3	ENDS	:SCRF, 3000# TO ANSI B 1.20.1	
4	SERVICE	: Instrumentation Air	
5	STANDARD	: BS 5351	
6	SIZE RANGE	: 15NB TO 40NB	
7	Make	: WEIR BDK/ L&T / KSB / MICROFINISH / KHIMJI / FLOCON Only	
Other Technical Specifications			
8	DESCRIPTION	CONSTRUCTION	MATERIAL
9	BODY	FORGED	ASTM A 105
10	STEM	BLOWOUT PROOF	13%CR. STEEL (NO CASTING)
11	BALL	SOLID	13%CR. STEEL / SS 304
12	BODY SEAT	BOLTED(3-PIECE)	
13	GLAND	BOLTED / RETAINED BY NUT & WASHER	ASTM A 105 / 13% CR STEEL / SS 304
14	GLAND PACKING		DIE FORMED GRAPHITE RINGS
15	BODY STUD		ASTM A 193 GR B7
16	BODY NUT		ASTM A194 GR 2H
SPECIAL SERVICE CONDITIONS			
17	LEVER NUT		ANSI 410 (13% Cr)
18	LEVER		M.S. WITH PVC SLEEVE
19	GASKET		SP WND SS304 WITH GRAFOIL FILLER
20	SPECIAL SERVICE CONDITIONS		
21	BACK SEAT AND SHOULDER		ANSI 410 ( 13% Cr )
22	OTHER	FULL BORE	
23	HYDROSTATIC TEST PRESSURE	BODY : 210 Kg/cm <sup>2</sup> g	SEAT :152 Kg/cm <sup>2</sup> g
24	TEST PRESSURE WITH AIR	6 Kg/cm <sup>2</sup> g	
<b>NOTES:</b> 1. BIDDER SHALL CLEARLY WRITE ALL / ANY DEVIATION AGAINST EACH PART / MATERIAL OF VALVE IN THE SPACE PROVIDED FOR. WHEREVER BIDDER AGREES WITH SPEC BIDDER SHALL INDICATE "AGREED". 2. NO CUTTING / OVEWRITING BY BIDDER ON SPEC IS ALLOWED 3. TESTING SHALL BE AS PER BS 6755 (PART I) 4. VALVE SHALL BE TIGHT SHUT- OFF TYPE . 5. CERTIFICATE FOR MATERIAL TEST & PRESSURE TEST IS REQUIRED 6. CROSS - SECTIONAL DETAILS OF BODY SEAT/ SEAL ARRANGEMENT SHALL BE SUBMITTED ALONG WITH THE OFFER. 7. VENDOR SHALL SUBMIT VALVE DRAWING FOR APPROVAL. 8. VALVE SHALL BE CERTIFIED SUITABLE FOR SERVICE & SERVICE CONDITION SPECIFIED IN THE DATASHEET. 9. ALL VALVES SHALL BE PROVIDED WITH BRASS TAG DISCS INDICATING TAG NOS. AND NOMENCLATURE OF THE VALVES.			

*- K. L. Khan*