ENAR	VALVE DATA SHEET - 6A3	Doc. No. 0106-P-0113 (Sheet 1 of 2)				
		Job No.	Rev.	Date	Prep. by:	Chk. by:
	PROJECT: INSTALLATION OF PIRKOH COMPRESSORS AT QADIRPUR	14-0106	0	JUN. '10	AQL	TH

VALVE TYPE:	BALL - FULL BORE	
VALVE STANDARD:	BS 5351 OR API 6D	
PRESSURE CLASS:	150LB, 300LB	
END CONNECTIONS:	FLANGED TO ASME B16.5 RF	
SIZE RANGE:	2" TO 24"	
CONSTRUCTION:	BODY :	BOLTED OR SOLID
		FULL BORE
	TRIM :	FLOATING BALL (2" AND BELOW)
		TRUNNION MOUNTED BALL (3" & ABOVE)
		ANTI-STATIC FIRESAFE
BODY MATERIAL:	CARBON STEEL :	FORGED - ASTM A 105
		CAST - ASTM A216 GR WCB
TRIM:	BALL - 316 ST. STL OR ASTM A105 ELECTROLESS NICKEL PLATED 0.003"	
	STEM & SEAT RING - AS ABOVE	
	SEATS - NYLON OR RE-INFORCED PTFE	
VALVE OPERATOR:	2" TO 4"	LEVER
	6" & ABOVE	BEVEL GEAR (WEATHER PROOF TYPE)
GLAND PACKING:	MANUFACTURER'S STANDARD (NON ASBESTOS)	
BONNET GASKET:	MANUFACTURER'S STANDARD (NON ASBESTOS)	
BOLTING:	STUDBOLTS : ASTM A193 GR B7	} FLUOROPOLYMER COATED
	C / W NUTS: ASTM A194 GR 2H	
TEMP. LIMITATIONS:	-9°C (15°F) TO 121°C (250°F)	
NOTES:	SEE SHEET 2	

NOTES:

1. Certificates required to DIN 50049.3.1.b.

2. Face to face dimensions shall conform to ASME B16.10 or BS2080.(2" to 4"-short pattern. 6" to 24"-long pattern)

3. Valves to be firesafe to BS 6755.

4. Contact faces of flanges to be 250 to 500 micro inch (6.3 to 12.5 micro metre) roughness.

5. Materials shall be employed only as shown on the valve data sheets of other applicable specification sheets. Substitutions shall not be made without prior written approval from the Company.
   Such approval, however, shall in no way diminish the Vendor's obligation to meet the requirements of the latest issues of the Standards and Specifications referred to in this document.

6. All valve castings are to be 100% visually inspected in accordance with MSS-SP-55 in addition the following inspection is required in accordance with ASME B16.34 section 8 : All sizes 100%. MPI.

7. Each valve shall, as a minimum, be marked in accordance with MSS-SP-25.

8. In addition to the permanent marking, valves which are NACE Compliance shall carry a stainless steel identification tag, which is to be stamped or engraved with the valve tag number and size in characters at least 10mm high and attached securely to the valve with stainless steel wire.

9. The welding of flanges onto socket weld or buttweld end valves to meet a specification for flanged valves is not acceptable unless specifically called for on a purchase order.

10. Valve body shall be designed to withstand the pressure relative to the ASME class in which it is being used.
    The self-relieving characteristic of the valve shall not be taken into account when designing the hydraulics of the piping system. On no account will the ability of some ball valves to enable the body cavity to be vented whilst the line is under pressure, be used as a block and bleed device. Two valves will always be used for safety i.e.. conventional Double Block and Bleed Departure from this design philosophy shall always be approved by the Chief Piping Engineer.

11. Wrench operated valve stem heads shall be circular with a key-way for attaching the wrench Circular stem heads with one or two flats are acceptable but in either case the design must be such that the wrench cannot be installed in a manner that allows the ball to move through more than 90 degrees. Square stem heads are not acceptable.

12. Wrench operated valves are to be filled with stops at the fully operated and fully closed positrons to prevent the ball moving through more than 90 degrees. these stops must be integral with the valve body. Removable stops and / or spring loaded pins which drop into holes at the open or closed position are not acceptable.

13. Fluoropolymer coatings temperature limit is 500°F

14. Valve shall be compliance to NACE MR -0175/ ISO 15156 (Latest Edition) or as mentioned in the BOQ-M1 (PS-202).