

	Project :	ROURKELA PP-II EXPANSION (1 x 250MW)	Document No.	PY-AD-4-M087-8315-07
			REV	00
	Package :	Fire Protection & Detection System	Page	1 of 2

17.05.17	00	INITIAL SUBMISSION	--	AMIT	MNSR
Date	Rev	Description of Revision	ALT	CHD	APPD
CUSTOMER: 		NTPC-SAIL POWER COMPANY (P) LIMITED			
CONSULTANT 		MECON LIMITED			
CONTRACTOR: 		BHARAT HEAVY ELECTRICALS LTD PROJECT ENGINEERING & SYSTEMS DIVISION, HYDERABAD			
Doc. No		PY-AD-4-M087-8315-07			Rev: 00
PACKAGE		FIRE PROTECTION & DETECTION SYSTEM			
TITLE		DATA SHEET OF CAST IRON BUTTERFLY VALVE			
PREPARED BY		SUMANT		14.05.2017	
CHECKED BY		AMIT		16.05.2017	
APPROVED BY		MNSR		17.05.2017	



TECHNICAL DATA SHEET OF CAST IRON BUTTERFLY VALVE

1. Type : a) Valves 300 mm and larger in size shall be flanged type.
b) Wafer Type butterfly valve for pipe made up of steel and pipe sizes upto 300 NB .
2. Manufacturing Standard : EN 593
3. Testing Standard : EN 12266 - 1/API 598
4. Class/Rating : PN 16
5. Hydraulic Test Pressure
 - a) Body : 24 kg/cm²
 - b) Seat : 17.6 kgf/cm²
6. Material of construction
 - a) Body : Cast Iron IS: 210 Gr. FG260
 - b) Disc : Cast Iron IS: 210 Gr. FG260
 - c) Spindle : SS AISI 410
 - d) 'O' Ring : Nitrile rubber
 - e) Rubber Lining : Nitrile rubber bonded on hard body.
 - f) Ratchet Box : Cast Iron IS: 210 Gr. FG260
 - g) Flow control lever : MS
7. Hydrostatic Test Pressure:
 - Body : 24 Kg/cm² Gauge Pressure for 5 mins.
 - Seat : 16 kg/cm² Gauge Pressure for 2 mins.
8. Flanges : Valves are suitable to fix in between flanges drilled to ANSI B 16.5
9. Operation : Lever Operated.
10. Quantity : As per Approved Drawings
11. Testing & Inspection : As per Approved QAP