

	Document: Datasheet of Jaw Gate			
	Document nr. 1240420-DRB16-M003			
System:	Bottom Ash Handling System			
Document Revision:	4	Prepared	Approved	Date
SI No:	2	-	AEN	10.12.20
A General				
Plant	: Tanjung Jati B-Unit 5&6; 1000 MW , Indonesia			
Unit	: Unit 5 & 6			
Ambient Temperature	: Min-Max: 22 – 35°C ; Avg -29°C			
Relative Humidity	: Min – Max: 50% – 92% ; Avg- 75%			
Barometric Pressure	: 100,78 kPa			
B Design Basis				
Material	Bottom Ash			
Density for volumetric calculation	: kg/m ³	720		
Density for Power calculation	: kg/m ³	1120		
Particle Size	: mm	max 200		
Design Temperature of BTM Ash	: °C	850		
Expected maximum ash size	: mm	2000mmW x 1000mmH x 500mmD (approx)		
Conveying Capacity	:			
Normal	: t/h	4,39		
Maximum design	: t/h	15		
Emergency	: t/h	30		
C Machinery Data				
Installation	: Outdoor			
Quantity	: Unit	Quantity	Tag No	
	Unit-5	15 nos	50HDA03AJ001-015	
	Unit-6	15 nos	60HDA03AJ001-015	
D Manufacturing Data				
Typology	: Jaw Gate for crushing & Isolation-Clyde Begemann			
Manufactur / Model No	: Clyde Bergemann ; JCIV1200			
Operating time	: Continuous			
Type	: Hydraulic cylinder operated gate valve with grid			
E Gate Dimension & Parts				
Dimension (Gate Frame)	: mm	4096x1816x800		
Number of Gate/ Frame	: 3			
Gate opening dimension	: mm	~ 1000x1200		
Grid	: mm	200x212		
Material	:			
Jaw Gate Body	: S235JR (DIN EN 10025-2)			
Gate Frame	: 16Mo3 (DIN EN 10028-29)			
Jaw	: GX40CrNiSi25-20/1.4848 (DIN EN 10295)			
Grid	: 16Mo3 (DIN EN 10028-29)			
Refractory Lining	: Castable monolithic refractory (Bulk density-2,11g/cm ³)			
Hydraulic Cylinder	: 15nos(1 no/Gate); Double-acting Hydraulic Cylinder			
Cylinder-Bore & Piston Dia	: Ø 100-60			
Stroke Length	: ~1100 mm			
Pressure (Operating/Design / Test)	: 160 /250 / 300 bar			
Cylinder Piston (construction)	: 20MnV6 (Piston rod grinds and hard-chromed; Layer thickness 25 - 30 µm)			
F Other				
Metalic Expansion Joint	: 5 nos(1 no/Gate Frame) ;SS; Movement-Axial: -15 mm			
Limit switch	: 2 - Lever Sensor/ Gate (Schneider:XCKJ10541H29)			