

ODISHA POWER GENERATION CORPORATION LIMITED 2 X 660 MW IB THERMAL POWER STATION **BANHARPALLI, JHARSUGUDA, ODISHA-768234**

OWNER'S CONSULTANT: DEVELOPMENT CONSULTANTS PVT LIMITED

PIPE DATA SHEET - ASH HANDLING SYSTEM DOCUMENT NO: GID-208-ME-ET-DS-5067





Digitally signed by Prat p Basak DN: cn=Pratip Basak, o= DCPL, ou=Power, email=pratip.basak@in.dclgroup .com, c=IN Date: 2016.11.04 15:51:38 +05'30'

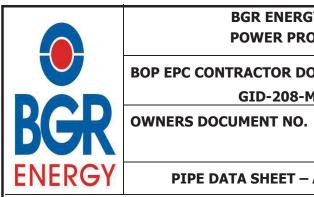
Rev 5

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DATE	REV	PREPARED BY	CHECKED BY	APPROVED BY



BGR ENERGY SYSTEMS LTD	
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PIPE DATA SHEET – ASH HANDLING SYSTEM

REVISION CONTROL

REVISION NUMBER	DATE	PURPOSE
0	06.06.2015	First issue for Information
1	07.12.2015	Revised based on DCPL comments Letter No. OPGC-BOP-2692 dt.04-08-2015 ①
2	16.02.2016	Revised based on MOM dt. 05.02.2016 2
3	06.06.2016	Revised based on DCPL comments Letter No. OPGC-BOP-4606 dt. 11-03-2016 3
4	04.08.2016	Revised as marked 4
5	19.09.2016	Revised based on DCPL comments Letter No. OPGC-BOP-5998 dt. 27-08-2016



PIPE DATA SHEET - ASH HANDLING SYSTEM

A Air Line

Service	:	Instrument Air		
Size	:	Up to 50 NB	65 NB and above	
Standard	:	Seamless, Stainless Steel as per ASTM A -312 Gr. 304	Seamless, Stainless Steel as per ASTM A -312 Gr. 304	
Thickness	:	Schedule 40S as per ANSI B 36.19	Schedule 10S as per ANSI B 36.19	
End Style	:	Screwed Ends Plain Ends / Beveled Ends		
Tolerance	:	As per rel	event pipe standard	
Insulation	:	N	lot required	
Hydrotest Pressure	:	As per rel	event pipe standard	
Inspection & Testing	:	As per approved QAP		
Manufacturer	:	As per app	proved Vendor's List	
	1 1			
Service	:	Co	onveying Air	
Size	:	Up to 50 NB	65 NB and above	
Standard	:	· · · · · · · · · · · · · · · · · · ·	1 / MS, ERW Pipe to IS:3589 Gr. FE 410	
Thickness	:	Heavy Grade for IS : 1239	Part 1 / Min. 6.35 mm for IS : 3589	
End Style	:	Screwed Ends	Plain Ends / Beveled Ends	
Tolerance	:	As per IS:1	239, Part 1 / IS : 3589	
Insulation	:	N	lot required	
Hydrotest Pressure	:	As per IS:1239, Part 1 / IS : 3589		
Inspection & Testing	:	As per approved QAP		
Manufacturer	:	As per approved Vendor's List		
Service	:	Fluidizing Air (ESP & Silo)		
Size	:	Up to 50 NB	65 NB and upto 150 NB	
Standard	:	MS, ERW Pipe to IS:1239 Part 1		
Thickness	:	Heavy Grade		
End Style	:	Screwed Ends Plain Ends / Beveled Ends		
Tolerance	:	As per IS:1239, Part 1		
Insulation	:	Required		
Hydrotest Pressure	:	As pe	r IS:1239, Part 1	
Inspection & Testing	:	As pe	r approved QAP	
Manufacturer	:	As per approved Vendor's List		
Service	:	V	acuum Line	
Size	:		200 NB	
Standard	:	MS, ERW Pipe to IS:3589 Gr. Fe 410		
Thickness	:	М	in. 6.35 mm	
End Style	:	В	eveled Ends	
Tolerance	:	As	s per IS:3589	
Insulation	:	N	lot Required	
Hydrotest Pressure	:	As	s per IS:3589	
Inspection & Testing	:	As per approved QAP		
Manufacturer	:	As per approved Vendor's List		



PIPE DATA SHEET - ASH HANDLING SYSTEM

B Water Line

Service	:	Ash, DM & Overflow Water		
Size	:	Up to 50 NB	Above 50 NB to 150 NB	from 200 NB to 400 NB
Standard	:	MS, ERW Pipe to IS:1239 Part	1	MS, ERW Pipe to IS:3589 Gr. Fe 410
Thickness	:	Heavy Grade	Heavy Grade	
End Style	:	Screwed Ends	Plain Ends / Beveled Ends	Beveled Ends
Tolerance	:	As per IS:1239, Part 1	As per IS:1239, Part 1	
Insulation	:	Not required		
Hydrotest Pressure	:	As per IS:1239, Part 1		As per IS:3589
Inspection & Testing	:	As per approved QAP		
Manufacturer	:	As per approved Vendor's List		

C Slurry Line

Service	:	BA Slurry	Disposal Line		
Size	:	200 NB	350 NB		
Standard	:	MS, ERW Pip	MS, ERW Pipe to IS:3589 Gr. FE 410		
Thickness	:	9.5 mm thk (Minimum thickness will be limited to 9.0 mm)			
End Style	:	Bevel Ends			
Insulation	:	Not Required			
Hydrotest Pressure	:	As per IS:3589			
Inspection & Testing	:	As per approved QAP			
Manufacturer	:	As per approved Vendor's List			

D HCSD Line

Service	:	HCSD
Size	:	200 mm ID
Standard	:	Please refer latest approved HCSD pipe datasheet.
Thickness	:	
End Style	:	
Tolerance	:	
Insulation	:	
Hydrotest Pressure	:	
Inspection & Testing	:	
Manufacturer	:	

E Drain Line

Service	:	Drain
Size	:	from 50 NB to 150 NB
Standard	:	MS, ERW Pipe to IS:1239 Part 1
Thickness	:	MS, ERW Pipe to IS:1239 Part 1
End Style	:	Plain Ends
Tolerance	:	As per IS:1239 Part 1
Insulation	:	Not Required
Hydrotest Pressure	:	As per IS:1239, Part 1



PIPE DATA SHEET - ASH HANDLING SYSTEM

Inspection & Testing	:	As per approved QAP
Manufacturer	:	As per approved Vendor's List

F Ash Conveying Line

Service	:	Vacuum Conveying	Pressure Conveying	
Size	:	200 NB & 250 NB	250 to 350 NB	
Standard	:	CI Pipes, As IS: 1536 Class D	MS, ERW Pipe to IS:3589 Gr. FE 410	
Thickness	:	As per IS: 1536 Class D	9.5 mm Thk.	
End Style	:	Plain Ends	Beveled Ends	
Tolerance	:	As per IS: 1536 Class D	As per IS:3589	
Insulation	:	Not Required		
Hydrotest Pressure	:	As per IS: 1536 Class D	As per IS:3589	
Inspection & Testing	:	As per approved QAP		
Manufacturer	:	As per approved Vendor's List		