

TEST REPORT

Report No.:KG13-003836.001		Date : 24.05.2013	
JOE NO: KG13-003836		REPORT CONTROL NO.: KGR0000020952	
SAMPLE DRAWN BY SGS INDIA PRIVATE LTD.			
Sample Identified As : FLUE GAS			
Name of the Industry : M/s. BRG IRON AND STEEL CO. (P) LTD.			
Address : Village Kurunti, P.O.-Kusupanga, Dist.-Dhenkanal, Odisha - 759121			
Date & time of sampling : 16.05.2013 (11:00 am – 12:30 pm)			
Sampling Location : AOD, EAF Stack (SMS)			
A. General information about stack :			
1.	Stack connected to	: AOD, EARC Furnace	
2.	Emission due to	: AOD Fumes	
3.	Material of construction of stack	: M.S	
4.	Shape of stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder : Yes		
B. Physical characteristics of stack :			
1.	Height of the stack from ground level	: 30.0 M	
2.	Diameter of the stack at sampling point	: 2.1 M	
3.	Height of the sampling point from GL	: 18.0 M	
C. Analysis /Characteristic of stack			
1.	Fuel used : Furnace is Operated Electricity		2. Fuel Consumption: 60 – 70 m ³ /T
D. PARAMETERS		PROTOCOL	RESULTS
1.	Temperature of emission (°C)	IS 11255 Part 3: 1985 (Reaff.2008)	52
2.	Barometric pressure (mm of Hg)	IS 11255 Part 3: 1985 (Reaff.2008)	748
3.	Velocity of gas (m/sec.)	IS 11255 Part 3: 1985 (Reaff.2008)	11.87
4.	Quantity of gas flow (Nm ³ /hr.)	IS 11255 Part 3: 1985 (Reaff.2008)	133489
5.	Concentration of Carbon dioxide (% v/v)	IS 11255 Part 3: 1985 (Reaff.2008)	0.8
6.	Concentration of Oxygen (% v/v)	IS 11255 Part 3: 1985 (Reaff.2008)	20.0
7.	Concentration of SO ₂ (mg/Nm ³)	USEPA – 6C	11
8.	Concentration of NOx (mg/Nm ³)	USEPA – 7E	18
9.	Concentration of Particulate Matter(mg/Nm ³)	IS 11255 Part 1: 1985 (Reaff.2003)	86
E. Pollution control device			
Details of pollution control devices attached with the stack		Bag House	
F. Remarks: : Instrument Used : Stack Monitoring Kit VSS-1(SI No. 56-DTG-04)			

*****End of Report*****

Checked by


Dipankar De Sarkar
Manager (Operations)

per pro SGS India Private Ltd.


Dr. Ashish Chakraborty
Manager Laboratory

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