



Analysis of BF Gas for Dust Content

ESL Steel Limited,
(a subsidiary of Vedanta Limited)

REGISTERED OFFICE:

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EXPRESSION OF INTEREST



Vedanta Limited, a subsidiary of Vedanta Resources Limited, is the world's leading Oil & Gas and Metals Company, and one of the largest producers of Oil & Gas, Zinc, Lead, Silver, Copper, Iron Ore, Steel, and Aluminium & Power across India, South Africa, Namibia, and Australia.

ESL Steels Limited, a subsidiary of Vedanta Limited, operates 1.5 million Ton Per Annum (MTPA) integrated steel plant near Siyaljori village in the Bokaro district of Jharkhand. ESL has established excellence at every stage of production by bringing international expertise and solution from reputed manufacturers.

ESL have two blast furnaces whose capacity is 1050 cu. mts and 350 cu.mts. with Dry GCP. We want to do analysis of BF gas for dust content from the BF gas pipeline after the GCP. Other details are as follows. Type of testing could be Isokinetic and Non-Isokinetic.

Interested parties of good repute and having proven track record may send their EOI along with their company profile, client list, list of similar assignment executed and other suitable credentials at the below mentioned mail id: Laxmikant.barik@vedanta.co.in Mob. - 9264192802. For technical queries, connect with Mr. BVS Kumar (BVS.Kumar@vedanta.co.in , Mob - 9923794618).



Sr. No	1	2
Name Of Stack/Duct	GCP outlet duct.	GCP outlet duct.
Measuring Parameter	Dust content in clean Bf gas (mg/m3)	Dust content in clean Bf gas (mg/m3)
Measuring Range	0 mg /m3- 30 mg/m3	0 mg /m3- 30 mg/m3
Stack/Duct MOC	NA	NA
Duct Internal Diameter (mm)		
Duct Outer Diameter (mm)	1920	1200
Clean Gas Temperature (°C)	100-120	100-120
BF Gas Composition		
SO2 (ppm) :	negligible	Negligible
Nox (ppm) :	negligible	Negligible
CO (%) :	22-24	22-24
CO2 (%) :	18-19	18-19
O2 (%) :	0.6	0.6
N2 (%) :	55	55
H2 (%) :	04	04
Cl2 (ppm) :		
Moisture (%) :		
Dust (mg/m3) :	To be analyse	To be analyse
Flue Gas Flow velocity (m/s)	NA	NA
Stack/Duct Height (mtrs)	NA	NA
Type of filter (ESP/Bag filter)	Bag Filter	Bag Filter
Pressure of the BF gas	1.5 Kg/Cm2 to 1.6 Kg/Cm2	0.80 Kg/Cm2 to 1.0 Kg/Cm2