	VEDANTA LIMITED – VALUE ADDED BUSINESS	Document No:	VL/IMS/PID1/INST/WI/13
	INTEGRATED MANAGEMENT SYSTEM	Revision Date:	05/01/2022
	Work Instructions for Cleaning of Dust Pots/Impulse Line During Furnace Shutdown	Revision No:	06
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CLEANING OF DUST POTS/IMPULSE LINE DURING FURNACE SHUTDOWN

Objective: Procedure for cleaning of dust pots/Impulse line during furnace shut down.

Scope: This procedure applies to cleaning of dust pots/Impulse line during furnace shut down only.

Performance Criteria: Accuracy of interbell pressure/Top gas Pressure.

Reference: RISK /INST/05, RISK /INST/09, and RISK/INST/14

Aspect for the Activity: Dust spreading

Identification of Hazards:

Physical: Temperature, Hot Surface Contact

Mechanical: Trip & Fall, Injury due to poking of rod

Chemical: CO Gas poisoning, Dust, Graphite

Ergonomics: Insufficient work practices


Hazard due to Human Behavior/Human error: Not adhering to WI/ PPE, Alcoholism, Use on non-certified tools/equipment.

Responsibility: Sr. Engineer Instrumentation/Associate / Inst Technician

Procedure: All engineers/technicians should follow this procedure whilst isolating and removing instrument for Cleaning the Dust Pot, re-installation and commissioning. Care must be taken while removing and refixing to avoid contact with hot areas, gas & steam leakages.

A. CLEANING OF DUST POT

1. Before starting the job ensure that furnace is under shutdown and all gas lines are purged with steam. Use PPE dust mask, CO monitor, hand gloves and walkie talkie for communication purpose.
2. Inform production about the job being carried out and take work permit if required.
3. Ensure Top Firing is done, and grating placed over the furnace top flange door opening.
4. Check if CO gas levels are within safe limits.
5. If CO gas levels are not met do not carry out the job till safe levels are reached.
6. Do not touch any hot areas.
7. Take proper tools for ensuring safe opening of the dust pot.
8. Open the Dust Pot/Impulse line and clean the line. After cleaning Plug the Cleaning Port.

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9. Install the Transmitter connect the impulse line and open the isolation valves on process tapings.
10. Give the Transmitter inline for measurement, Inform to control room & process or close the permit if it was taken

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Signature:	Signature:	Signature:
Date: 05/01/2022	Date: 05/01/2022	Date : 05/01/2022