

	VEDANTA LIMITED – VALUE ADDED BUSINESS	Document No:	VL/IMS/PID1/INST/WI/20
	INTEGRATED MANAGEMENT SYSTEM	Revision Date:	05/01/2022
	Work Instructions for Working on Online Pyrometer	Revision No:	02
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WORKING ON ONLINE PYROMETER

Objective: To ensure proper working of online pyrometer in BF1/BF2.

Scope: This procedure is applicable for checking and working with non-contact type online pyrometer in BF1 and BF2

Reference: Operating manual of pyrometer

Performance Criteria : Accuracy of temperature measurement

Reference: RISK/INST/24

Aspect for the Activity : Waste generation

Identification of Hazards:

Physical: Contact with hot metal & slag, Fall of Person, Impact with mud gun, Hose pipe bursting, puncture & fire, Noise

Mechanical: Trip & Fall

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/Instrumentation Technician

Procedure

All Engineers/Technicians should follow procedure whilst working on the pyrometer. Care should be taken not to come in contact with the high temperature areas. Use heat resistance hand gloves if required.

- 1.) Don't use gum boots while working in cast house area, take clearance from cast house in charge for checking the pyrometer.
- 2.) Inspect the spot location for any blockage. The hot metal should be clearly visible to pyrometer.
- 3.) Check the spot is at correct point from pyrometer. If not adjust and fix.
- 4.) Check for water and air flow to pyrometer.

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