

	VEDANTA LIMITED – VALUE ADDED BUSINESS	Document No:	VL/IMS/PID1/INST/WI/05
	INTEGRATED MANAGEMENT SYSTEM	Revision Date:	05/01/2022
	Work Instructions for Calibration of Cast Iron Weight	Revision No:	05
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CALIBRATION OF CAST IRON WEIGHTS

Objective: To check accuracy of C.I. weight

Scope: This procedure is applicable to check the accuracy of all CI weight used for the Calibration of bins.

Reference: SP/44-H & RISK/INST/17

Performance Criteria : Accuracy of CI weight

Aspect for the Activity : Waste generation

Identification of Hazards:

Mechanical: Impact of falling of C.I weights, Impact due to trapping of fingers under C.I Weight, Dust, Trip & fall.

Chemical: 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

A) CALIBRATION OF C.I WEIGHT

Frequency: -Once in 2 Years.

Procedure:

All Engineers/Technicians should follow this procedure whilst checking accuracy Of C.I. weight. Care should be taken to avoid falling of weights.

- 1) Use hand gloves while shifting the weight.
- 2) Put one 20 kg standard C.I. weight on digital weigh scale.
- 3) Adjust reading to 20.00 kg.
- 4) Take out the standard C.I. weight from the weigh scale.
- 5) Put test weights on the weigh scale.
- 6) Put the Sr. No and the corresponding weight value on the CI weight.

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