**WORK INSTRUCTIONS FOR** **FLUSHING THE DE-MISTER PAD.**

**Responsibility**: Furnace In charge/production engineer.

* Objective : - Reducing pressure difference across the de-mister pad by Flushing the De-mister pad in BF1 Cyclone, So that moisture separation from the cyclone is good and dust accumulation is removed.
* Scope : - GCP- BF1
* Ref. : - GCP Drawings.
* Responsibility : - Furnace- in-Charge, Production Engineer.
* Frequency :- Once in a shift / whenever a difference across the de-mister pad goes beyond 50 mm WC.

**PPE to be used** : Helmet, safety shoes, hand gloves, goggles etc.

**Aspect- Impact**

|  |  |
| --- | --- |
| Gas leakage |  |
| Water usage |  |

**Hazards identified**

1. BF Gas leakage
2. Fire and Explosion in the gas line
3. Contact with hot water
4. Fall of person
5. Contact with hot surface
6. Non-use of PPE , WI
7. Improper house keeping
8. Inadequate local lighting
9. Not carrying CO detector
10. All persons should wear PPE.
11. Unauthorized operation or repair of any equipment is a punishable offence.
12. Inform Control room In Charge about the activity.
13. Minimum two persons are required to perform this job.
14. Take two 2 numbers of CO monitor, GCS entrance gate’s key from the control room engineer after entering in the register and carry along with you.
15. Open the entrance of GCS.
16. Check the CO presence in GCS and if the CO presence is normal then go to the De-mister pad flushing point platform.
17. Check the pressure difference across de-mister pad.
18. Open the De-mister spray for 15 minutes/shift.
19. Close the De-mister flushing valve and check pressure difference across de-mister pad comes down.
20. After the operation, come out of the GCP, close the GCP gate, inform control room engineer that operation is finished and return the keys, CO monitors and enter in the register.
21. CO gas presence should be continuously monitored till closing of the gate.

|  |  |  |
| --- | --- | --- |
| **Prepared By:**  Head –Production PID I | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head –Pig Iron Division |
| **Signature:** | **Signature:** | **Signature:** |
| **Date: 15.07.2022** | **Date: 15.07.2022** | **Date: 15.07.2022** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Amendment Record** | | | |
| **Revision date** | **Manual Section ref. and para** | **Brief details of revision** | **New Revision No.** |
| 15.07.2022 | Procedure for flushing de-misted pad | Change in format | 01 |
|  |  |  |  |