**WORK INSTRUCTIONS FOR** **OPERATING STOVE BOTTOM VALVE (BF1 & BF2)**

**Responsibility: HBS Incharge/ Engineer**

**Criteria: Safe handling of valves, Safe work practices in the HBS area**

**Identified Hazards**:

1. Contact with hot valve
2. Contact with hot Blast
3. BF Gas poisoning
4. Valve deformation due to high temperature
5. Contact with hot stoves
6. Fall of a person from height or while climbing monkey ladder

**Human Hazards**:

1. Non Use of PPE’s & WI
2. Touching of Hot valve with bare hands

**Significant aspect**

1. Hot blast fumes generation
2. Noise pollution
3. Heat generation

**Stove Bottom valve operation**

**Procedure for operating the valve**

1. Unauthorized operation or repair of any equipment is punishable offence
2. At least two persons should enter along with CO monitor
3. Ensure people working in the area wearing hand gloves, ear plugs and other PPE;s
4. Ensure that the stove is in on blast condition while operating the valve.
5. While opening the valve ensure that the person stands beside the valve and not in front of it
6. Open the valve for 4 sec and close it again
7. Repeat the same for 3 to 4 times
8. Ensure that there is no water coming out of it
9. Ensure there is no leakage of hot blast after closing the valve.

THIS ACTIVITY IS STOPPED AFTER GHP TAKEN IN LINE IN BOTH FURNACE.

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| **Prepared By:**  Head – Production PID I | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head – Pig Iron Division |
| **Signature:** | **Signature:** | **Signature:** |
| **Date: 10.07.2023** | **Date: 10.07.2023** | **Date: 10.07.2023** |

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| **Revision date** | **Manual Section ref. and para** | **Brief details of revision** | **New Revision No.** |
| 15.07.2022 | Work instructions for **Operating stove bottom valve (BF1 & BF2)** | Change in format | 03 |
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