**WORK INSTRUCTIONS FOR PCM ROOF AND WALKWAY CLEANING WITH HIGH PRESSURE PUMP**

# RESPONSIBILITY: PCM INCHARGE

**Identified Hazards:**

1. Fall of a person from a height
2. High pressure water discharge,
3. Electrical shock.
4. Fire & explosion
5. Dust fumes
6. Contact with lime power
7. Steaming while cleaning the PCM roof
8. Inadequate local lighting
9. Non adherence to PPE/WI
10. Improper Housekeeping

**Significant Aspect**:

1. Usage of water
2. Generation of dust
3. Generation of lime slurry

**Procedure for PCM roof and walkway cleaning:**

* Unauthorized operation or repair of any equipment is a punishable offence.
* PCM in charge should ensure that all people involved in the activity are wearing Safety shoes, helmet, safety goggles, dust mask, and hand gloves.
* PCM in charge should ensure that LOTO Lock is applied to PCM before starting the activity.
* Place the Silpaulin sheet above the moulds in order to avoid water accumulation on moulds.
* Area below the PCM under cleaning to be barricaded with work in progress tape to prevent people movement and water splashing on them and flying chips.
* PCM in charge should ensure that safety belt is used if climbing on top of PCM roof.
* PCM in charge should ensure that high pressure pump is properly used. (Refer WI/Prod/25 for High pressure pump operation.)
* Clean PCM roof, walkways, and hand railings, moulds cooling pipeline, chutes and PCM structures.
* After completion of the job, the Machine should be parked at the designated place and water hoses properly rolled.
* Machine should be parked in unplugged condition.
* Cleaning operation should be stopped if steam from cooling pigs is affecting clear vision.

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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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