Vrajeshwari Engineers LLP BALCO KORBA

**ICM 1 & 2 Operation Log book - (CH3)**

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|  | **Date:** |
| **Name of Vrajeshwari Shift Incharge** | A - |
| B - | C - |

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| **Manpower Details** | | | |
| **A-Shift** | | **B-Shift** | **C-Shift** |
| Mechanical Technician  Electrical Technician  Operation Team  1.  2.  3.  4.  5.  6.  7.  8.  9.  10.  11. | | Mechanical Technician  Electrical Technician  Operation Team  1.  2.  3.  4.  5.  6.  7.  8.  9.  10.  11. | Mechanical Technician  Electrical Technician  Operation Team  1.  2.  3.  4.  5.  6.  7.  8.  9.  10.  11. |
| **Sign Vr.-SI** |  |  |  |

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| **ICM 1 - Maintenance/Breakdown/PM Details/Metal Shortage** | | | | | | | | | |
| **S No** | **Shift** | **From** | | **To** | | **Reason** | | | |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |

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| **ICM 2 - Maintenance/Breakdown/PM Details/Metal Shortage** | | | | | | | | | |
| **S No** | **Shift** | **From** | | **To** | | **Reason** | | | |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |

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| **Shift Production Details (Bundles)** | | | | | |
| **S No** | **Shift** | **ICM 1 online** | **ICM 1 offline** | **ICM 2 online** | **ICM 2 offline** |
| 1 | A |  |  |  |  |
| 2 | B |  |  |  |  |
| 3 | C |  |  |  |  |
| **4** | **Total** |  |  |  |  |

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| **S No** | **Cast Number** | **Cast starting** | | **Cast ending** | | **No of online** | **No of offline** | **Handover bundle** | | | **Handover pending** | |
| **Shift** | **Time** | **Shift** | **Time** | **From** | **To** | **Shift & Date** | **From** | **To** |
| 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Weight cross check details** | | | | | |
| **S No** | **Shift** | **Bundle no** | **Online wt (kg)** | **Offline wt (kg)** | **Remarks** |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |
| 5 |  |  |  |  |  |
| 6 |  |  |  |  |  |
| 7 |  |  |  |  |  |
| 8 |  |  |  |  |  |
| 9 |  |  |  |  |  |
| 10 |  |  |  |  |  |
| 11 |  |  |  |  |  |
| 12 |  |  |  |  |  |

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| **ICM Start up Checklist** | | | **Date:** | |
| **S No** | **Description** | **A-Shift** | **B-Shift** | **C-Shift** |
| 1 | Casting mould preheating |  |  |  |
| 2 | Casting wheel preheating |  |  |  |
| 3 | Pouring mouth condition |  |  |  |
| 4 | Graphite coating in moulds |  |  |  |
| 5 | S furnace launder condition |  |  |  |
| 6 | Y furnace launder condition |  |  |  |
| 7 | Sow mould kept empty and moisture free |  |  |  |
| 8 | Demoulding sequence checking |  |  |  |
| 9 | Ingot turner healthiness |  |  |  |
| 10 | Robo healthiness |  |  |  |
| 11 | Rejector boxes condition |  |  |  |
| 12 | Pump house pump running |  |  |  |
| 13 | Water flow in cooling tunnel |  |  |  |
| 14 | S-Furnace tap hole condition |  |  |  |
| 15 | Y-Furnace tap hole condition |  |  |  |
| 16 | Casting mould condition |  |  |  |
| 17 | Base plate metal cleaning |  |  |  |
| 18 | Stack loader area, Bay to be emptied |  |  |  |
| 19 | Ingot beneth casting conveyor |  |  |  |
| 20 | Cast wheel up & Down condition |  |  |  |

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| **Offline Bundle weighment and handover details** | | |
| **A-Shift** | **B-Shift** | **C-Shift** |
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| **Cold and hot well checklist** | | | | |
| **S No** | **Description** | **A-Shift** | **B-Shift** | **C-Shift** |
| 1 | Hot well level (Upto drain pipe) |  |  |  |
| 2 | Cold well level (Water falls from cold well to hot well) |  |  |  |
| 3 | AVGF running status |  |  |  |
| 4 | No water overflow from AVGF overhead tank |  |  |  |
| 5 | No water overflow from AVGF chamber |  |  |  |
| 6 | Make-up valve open/closed (Use only processed water) |  |  |  |

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| **DPM Status** | | | | |
| **S No** | **Description** | **A-Shift** | **B-Shift** | **C-Shift** |
| 1 | DPM Unit 1 - Ready or not |  |  |  |
| 2 | DPM Unit 2 - Ready or not |  |  |  |

A- Shift - Jobs done/Pending jobs/Communication to next shift:

B-Shift - Jobs done/Pending jobs/Communication to next shift:

C-Shift - Jobs done/Pending jobs/Communication to next shift:

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|  | ICM-1 Offline generation Details | A | B | C | REMARKS |
| 1 | Robo dropping problem |  |  |  |  |
| 2 | Layer reject |  |  |  |  |
| 3 | Missing ingot |  |  |  |  |
| 4 | Unmoulding ingot in Demoulding area |  |  |  |  |
| 5 | Furnace changeover |  |  |  |  |
| 6 | Half boundle |  |  |  |  |
| 7 |  |  |  |  |  |
|  |  |  |  |  |  |
|  | Total no of Ingot |  |  |  |  |
|  | Total Ingot boundle |  |  |  |  |

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|  | ICM-2 Offline generation Details | A | B | C | REMARKS |
| 1 | Robo dropping problem |  |  |  |  |
| 2 | Layer reject |  |  |  |  |
| 3 | Missing ingot |  |  |  |  |
| 4 | Unmoulding ingot in Demoulding area |  |  |  |  |
| 5 | Furnace changeover |  |  |  |  |
| 6 | Half boundle |  |  |  |  |
| 7 |  |  |  |  |  |
|  |  |  |  |  |  |
|  | Total no of Ingot |  |  |  |  |
|  | Total Ingot boundle |  |  |  |  |