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| **Sr. No** | **Activity List** |
| 1 | Blowing in operation |
| 2 | Blowing out operation |
| 3 | Blast Furnace core drilling |
| 4 | blast furnace refractory dismantling & relining |
| 5 | Refractory gunning (Robotic) inside Furnace |
| 6 | Shutdown & Start-up of Furnace |
| 7 | Dust Catcher cleaning |
| 8 | Dust Catcher operation |
| 9 | Furnace top firing BF1& BF2 |
| 10 | opening peephole flange & plugging of tuyeres |
| 11 | Checking of tuyere & cooler for leakage |
| 12 | Working on Gas line |
| 13 | Shell Scraping |
| 14 | Removal & Fixing of Tuyeres |
| 15 | Furnace top spray checking |
| 16 | Isolation of BF1 Flare stack |
| 17 | Isolation of GEL Flare stack |
| 18 | Isolation of BF2 Flare stack |
| 19 | Isolation of GEL BFG Line |
| 20 | Furnace inspection & Emergency shutdown |
| 21 | Nitrogen Purging |
| 22 | PID1 control valves |
| 23 | Preparation of Cast house |
| 24 | Drill Machine Operation |
| 25 | Mudgun Operation |
| 26 | Tapping Operation |
| 27 | Lancing Operation |
| 28 | Slag Granulation & cleaning of pit |
| 29 | Non-Drainable Runner |
| 30 | Operating Cast house crane |
| 31 | Saturator Drip pot flushing |
| 32 | Furnace cooling members |
| 33 | Backflushing of tuyere & coolers |
| 34 | Working on oxygen gas line |
| 35 | Taphole Dressing BF1 |
| 36 | Taphole Dressing BF2 |
| 37 | Disposal of used poking rods & lancing pipes |
| 38 | Sampling of Hot metal, slag & temperature |
| 39 | Shifting & stacking oxygen & Nitrogen cylinders |
| 40 | Shifting of consumables by wheel loader |
| 41 | Hot blast operation |
| 42 | Blower Operation |
| 43 | Handling abnormalities in Blast Furnace |
| 44 | Gas cleaning system |
| 45 | Flushing De-mister pad |
| 46 | Movement & cleaning of coke tunnel |
| 47 | Operation of sizer plant |
| 48 | Filling the bunkers |
| 49 | Cleaning the bunkers and hoppers |
| 50 | Cleaning of screens, Bins and Chutes |
| 51 | Cleaning below conveyor, jam & spillages |
| 52 | Drawing belt cut coke sample for moisture analysis |
| 53 | Drawing belt cut sample for sieve analysis from the sizer plant trolley belt |
| 54 | Drawing belt cut ore sample for sieve analysis from sizer plant main belt |
| 55 | Drawing an Ore,Sinter sample from free flow off the vibrating screens for sieve analysis |
| 56 | Cleaning TRF screen of Sizer Plant |
| 57 | Operating Water Sprinkler at Raw material yard |
| 58 | Ladle Desulphurisation |
| 59 | DS dedusting operation and cleaning |
| 60 | Ore addition to Ladle |
| 61 | DS -Hose cleaning |
| 62 | Changing or cleaning the ladle cover |
| 63 | Shifting & Stacking of Oxygen & Nitrogen Cylinder |
| 64 | Disposal of Burnt lime bags |
| 65 | Changing of DS lance |
| 66 | PCM Operation |
| 67 | Cleaning of lime tray |
| 68 | Cleaning lime tank |
| 69 | Conical lime tank cleaning |
| 70 | PCM roof & walkway cleaning |
| 71 | PCM3 Side drain cleaning |
| 72 | Graphite solution addition to lime tank |
| 73 | Crane bay roof spray |
| 74 | Lime powder handling & making a solution |
| 75 | PCM mould heating by firewood |
| 76 | Operation of PCM Monorail Crane |
| 77 | PCM Crane operation |
| 78 | Hot metal sampling in PCM Runner |
| 79 | Collecting Lime powder at PCM tail end |
| 80 | Preparation of PCM Runner |
| 81 | Hot metal transfer from ladle |
| 82 | PCM Tail end debris cleaning |
| 83 | Direct loading of pigs in trucks |
| 84 | Hot metal sampling at PCM runner |
| 85 | Cleaning storm drain Hume Pipe |
| 86 | Lime solution transfer pump |
| 87 | Drain cleaning machine |
| 88 | PCM Non -drainable runner |
| 89 | Shifting PCM consumables |
| 90 | Making of Hydrous clay |
| 91 | Cleaning of GCS drain tunnel |
| 92 | Cleaning of slag granulation drain tunnel |
| 93 | Overhead Tank Cleaning BF1 & BF2 |
| 94 | Removal of plate jam from runner |
| 95 | Loading of Pigs, Slag, Debris & transportation |
| 96 | Skull addition to ladle |
| 97 | Cleaning of EL by Backhoe |
| 98 | Washing & Cooling of Pigs |
| 99 | Operation of Grab for cleaning Pit |
| 100 | Loading & Transportation of ore & cokefines |
| 101 | Slag Drier Operation |
| 102 | Slag Stacking |
| 103 | PCI Bulker Unloading at PID1 |
| 104 | Inserting PCI lance in running Furnace |
| 105 | Removing PCI Lance from running Furnace |
| 106 | Salamander Tapping |
| 107 | Coke Quenching and Raking |
| 108 | Ladle Shifting |
| 109 | Shifting Slag pot inside crane bay |
| 110 | BF1 Baghouse Operation |
| 111 | Unloading debris from slag pot into truck |
| 112 | Cooling debris from slag pot |
| 113 | Cleaning Crane Bin |
| 114 | Dumping debris into slag pot |
| 115 | Ladle Movement by Car |
| 116 | BF2 Dust extraction unit & Baghouse |
| 117 | Pneumatic Sample transport System |
| 118 | Operating stove bottom valve BF1& 2 |
| 119 | Refractory Repair in Hot blast system |
| 120 | HBS Burner Firing |
| 121 | Ceramic burner replacement in HBS |
| 122 | Slag drier plant refractory repair |
| 123 | Ladle cleaning by Anchor & Backhoe |
| 124 | Checking of BF gas (Gas mask operation) |
| 125 | Administering medicated oxygen |
| 126 | Bleeder valve operation |
| 127 | Working on Bleeders |
| 128 | Ladle Pre-heating with Firewood |
| 129 | Working on BF gas line jobs |
| 130 | Blowdown of cooling tower |
| 131 | Cleaning of cooling tower Basin |
| 132 | SSF |
| 133 | Glass cleaning |
| 134 | Cleaning VC's screen BF1 & BF2 & both Sizer plant screen |
| 135 | Maintenance & movement of moving equipment |
| 136 | Working on Running stoves |
| 137 | Gas holder isolation |
| 138 | Thickener Operation |
| 139 | GCS Water Sampling |
| 140 | Cleaning GCS Settling pond |
| 141 | Cleaning Slag granulation Settling Pond |
| 142 | Blowdown of GCS tank |
| 143 | Pig Cooling Recirculation tank cleaning |
| 144 | Cleaning of water sprays at Slag Drier area |
| 145 | Isolating & Connecting Gas line |
| 146 | Cleaning ID Ducting & Kiln |
| 147 | Furnace top platform cleaning |
| 148 | Water sealing BF Gas line |
| 149 | Chemical addition to Process water |
| 150 | Sampling of Process water |
| 151 | Chemical addition to Flocculant tank thickner area |
| 152 | Chemical addition to Flocculant tank PCM area |
| 153 | Chemical analysis of Process water |
| 154 | HBS Checker bricks inspection |
| 155 | Cleaning of Slag granulation tank |
| 156 | APH Soot blowing |
| 157 | Housekeeping near scrap addition belt |
| 158 | Housekeeping in Blast furnace area |
| 159 | Flare stack operation BF1& BF2 |
| 160 | Flare stack operation GEL |
| 161 | Ladle monitoring |
| 162 | Shifting material to Furnace top |
| 163 | Return water sump draining |
| 164 | Shifting Chemicals to Furnace area |
| 165 | Operation of motor bleeder winch |
| 166 | Refractory bricks lining |
| 167 | Charging BFG to GEL |
| 168 | Shifting of bricks & other consumables from yard to furnace |
| 169 | Stacking of Bricks |
| 170 | Acid addition to PCM Recirculation water |
| 171 | Starting & stopping of CA Fan |
| 172 | Movement in PCM & BH area |
| 173 | APH & GPH Cleaning |
| 174 | Ladle WS jobs |
| 175 | Refractory jobs furnace area |
| 176 | Cleaning coal injection line filter |
| 177 | Opening plugged tuyere on minimum blast |
| 178 | Reverse charging for flushing of Alkali |
| 179 | Scrubber unit |
| 180 | HBS Checker cleaning |
| 181 | Ceramic burner cleaning inside combustion chamber |
| 182 | Dust sampling for BF Gas |

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| **Prepared By:**  Control room Incharge | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head Operations-PID1 |
| **Signature:** | **Signature:** | **Signature:** |
| **Review Date: 08/03/2023** | **Review Date: 08/03/2023** | **Review Date: 08/03/2023** |