**Introduction**

Met Coke division is manufacturing Metallurgical Coke through the process of Non- recovery coke making.

In the Non- recovery coke making process, the coking coal is carbonized in the ovens through partial combustion of the volatiles in the coal. The carbonization process takes place from the top by radiant heat and from the bottom by conduction of heat through the sole floor. The heat required for the process is provided by the combustion of the gases inside the oven chamber and the heat stored in the refractory brickwork is sufficient to start the process, every time an oven is discharged of the coke and is again charged with a fresh batch of coal. The coke pushed out of oven is wet quenched to normal temperature and then segregated in different sizes. Flue gas generated during the carbonization process are diverted to waste heat recovery boiler for generating power.

The department is headed by Head Mechanical Maintenance MCD. Maintenance of Battery machines, Compacting stations, Conveyor systems, Briquetting plant, Pumps, Air Compressors, Dust Extraction systems, other utilities, structures, civil works/maintenance is taken care by the department.

The major KPI’s for the production dept. are:

* Plant & Machine availability
* Reduction in maintenance cost
* Reduction in Spillage
* Compliance to AO & VSAP framework
* Water and energy consumption

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| **Prepared By:**  Incharge Battery 1 Machine Mechanical Maintenance MCD | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head Mechanical Maintenance MCD |
| **Signature:** | **Signature:** | **Signature:** |
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