**Process Flow chart: Integrated Management System (IMS) Implementation**



**Sequence and Interaction – Maintenance PID I**

Scheduling

Competency

PM,CBM maint

Design Dept.

PLANNING

Set job priority

Maint. Job request

Production

Breakdown request

Completion of job

Dispatch

Service

Information

Job History

Job execution

Molten metal

Material management, services

Work Order

Stores

Raw Material

Service

Information

Spare Spare Parts

Failure analysis

KPI reporting

Safety and Security

Commercial

Human Resource

E & I

Business Excellence

**Support Function**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Suppliers**  (Either Internal / External) | **Inputs**  (what do you receive) | **Requirements**  (what are the requirements from the Inputs) Related to   * Specifications * TAT * Details | **Key Process steps** | **Output**  ( what do you release or goes out from your activity) | **Requirements**  (What are the expectations & details required from your activities including TAT) | **Customers**  (Either Internal / External) |
| Prod/ RM/ Safety dept | Maintenance request against breakdown, abnormality | Service description & Equipment/ Location | * Inspection/ Identification/ understanding of request * Availability of material and manpower resource * Work permit & isolation * Execution of job * Closure of work permit & isolation | Execution of job/ Successful trial & closure of request | Response time, duration & quality of job | Prod/ RM dept |
| Prod | Availability of plant | Availability target of 97.78% | * PM & CBM compliance during run/ stop checks * Analysis of last year major downtime * Action plan with responsibilities & target date * Timely Completion of actions * performance evaluation & its monitoring | Desired Availability of plant | Time period and performance evaluation | Prod |
| Commercial | Technical offers/ quotation | Technical Evaluation | * Comparison of offers * Identification of acceptable offers | Technical Evaluation report | Time period | Commercial |
| Stores | Critical spares availability | Item no., stock, plant/ unit | * Pending PR/ PO report * Creation/ approval of PR | PR | Specification, quantity, delivery date etc. | Commercial |
| Electrical | Decoupling/ dismounting | Equipment/ Location, Production clearance/ Work-permit | * Drive connection * Current checking/ drive direction | Successful trial | Normal current and correct drive direction | Production |
| Design | Design notification | Technical details | * Create design notification * Original drawing (if available) | New/ Revised drawing | Accurate Technical details | Mechanical |
| Stores | Issuing material | WO no., authorized requisition slip | * Creation of WO * Creation & authorization of slip | Receipt of material | Correct material in right quantity | Mechanical |
| Stores | Material receipt report pending for inspection | Daily | * Physical checking for quality/ dimensions | Material inspection (Acceptance-Rejection) | Accuracy, response time, time duration | Stores |

|  |  |  |
| --- | --- | --- |
| **Prepared By:**  IMS Incharge -Senior Officer | **Reviewed & Issued By:**  Management Representative | **Approved By:**  Head - Mechanical |
| **Signature:** | **Signature:** | **Signature:** |
| **Review Date:** 12.12.2022 | **Review Date:** 12.12.2022 | **Review Date:** 12.12.2022 |