

# RAVINDER SINGH

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## SYNOPSIS

- ❖ Bachelor's in Mechanical Engineering with more than 7 year experience in the field of Utility & Maintenance.
- ❖ Currently associated with PARK NON WOVEN PVT LTD , Panipat as an Sr. Engineer in Utility & Maintenance .
- ❖ Experience in the phases of Mechanical & Electrical Engineering like Maintenance and Utilities.
- ❖ Knowledge of Preventive, Predictive & Break down maintenance of Plant & Utility Equipment.
- ❖ Comprehensive understanding of various factor responsible for energy conservation.
- ❖ Able to perform root cause analysis of problems & then initiate corrective action.
- ❖ Able to work in cross-functional projects. Knowledge of Detail Engineering & Project works for plant & capacity enhancement

## CORE COMPETENCIES

★ MAINTENANCE  
★ MATERIAL & SERVICE MANAGEMENT

★ UTILITY  
★ DOCUMENTATION

★ ENERGY MANAGEMENT  
★ SAFETY

## ORGANISATIONAL SCAN

- ❖ Since Dec 2015 with **PARK NON WOVEN PVT LTD** (An IATF-16949 certified Automotive company of PARK group) , as an **Sr. Engineer** (Utility & Maintenance).
- ❖ **POLYLON FABRICS PVT LTD** , Panipat as an **Engineer** ( Utility & Maintenance ) from Sept 2013 to Dec 2015 .
- ❖ **THE PANIPAT CO-OPERATIVE SUGAR MILLS LTD** , Panipat as an **Assistant Engineer** from Sept 2012 to Sept 2013 .

## JOB PROFILE:

### MAINTENANCE

- Review & purpose improvement initiative to enhance available time of m/c & reduction in tact .
- Route cause analysis of breakdowns & horizontal deployment of preventive action .
- To make annual , monthly , weekly plan to execute periodical maintenance .
- To meet safety , cost , MTBF and MTTR targets to drive improvement activity .
- Review & execution of preventive & predictive maintenance .
- Understanding of SLD drawing of Hydraulic , Pneumatic & Electrical systems .
- Deliver on PPM / TPM strategies .
- Monitoring and controlling of maintenance expenses .
- To ensure timely calibration of instruments .
- To check & review daily equipment / instrument report & ensure timely corrective action .
- Minimize downtime by effective use of resources including response time , technical expertise , tools , spare parts & external contacts .
- Plant expansion work handling , implementing & planning for installation , commissioning & shifting of machine .

### UTILITY

- To ensure uninterrupted supply of utilities to plant during production .
- To prepare daily / monthly energy report of power , fuel , & water etc .
- Checking & review of daily operation logbook related to utilities equipment to take initiative for further improvement .

### ENERGY MANAGEMENT

- To check the existing system for its intended performance & evaluating the operational aspects for potential energy saving by exploring the energy efficient equipment / systems & proposals for the same .
- Routinely co-ordinate with plant operational for review & identify the system for the energy losses of utility & implementation of corrective measure .
- Conversant with various energy management services for thermal efficiency improvement & energy conservation .
- Conversant with steam consumption calculation or heat requirement for the process, De-superheating of steam/exhaust piping size requirement for fluid , steam & gases etc .

## MATERIAL & SERVICE MANAGEMENT

- Planning of spares ,fuel & consumable item for better inventory & budgetary control .
- Prepare purchase requisition & service requisition of spares & services respectively & forward to purchase after finance concurrence & approval from authority .
- Assist in the planning and implementation of current and future projects .
- To inspect the received material & contractor jobs for quality & quantity compliance .
- To check & verify the contractor services bills for quality / quantity compliance .
- Effective resource planning for optimizing man and machine utilization .
- Review of high value spares by alternate spare developed locally .
- Review of critical spare .

## DOCUMENTATION

- Review & ensure compliance to ISO-14001 , TS-16949 , IATF-16949 system .
- To prepare & maintain document for annual maintenance plan , preventive maintenance , predictive maintenance etc .
- To prepare daily / monthly report for all utilities / mechanical consumption .
- Prepare , maintain & analyze MIS reports/records & highlight deviation for corrective action .

## SAFETY

- Maintain integrity of safety device including light curtains , safety gates , barrier etc .
- Assist to staff for generating more KAIZEN & 5S for safety , quality , productivity .
- To ensure & maintain the safety interlocks , guarding & earthing of equipment in operation .
- To follow & ensure the compliance of safety guidelines & procedure .

## EQUIPMENT HANDLED

- Boiler (25 TPH) ,Thermic fluid heater ( 2500000 Kcal/hr ) , Steam generator (3 TPH) , Cooling Tower (150 TR) , Water Chiller (65 TR/223.6 KW) , Air Compressors ( 100 HP ) , ETP ( 120 m3/hr ) , DG ( 1000 KVA ) , LP air drier unit ( 750 m3/hr ) , R.O ( 10 TPH ) , Water softener , Hydraulic system , Rotary Vacuum filter , Multi jet condenser , Evaporator , Various type of pump , blower etc.
- EPP shape molding m/c , EPS shape molding m/c , Extrusion profile m/c , Injection molding m/c , RPP m/c , PP Spun Bond m/c Lamination extrusion m/c , Slitting m/c , Hydraulic press m/c , Power press m/c , Dyeing m/c etc .

## TPM OVERVIEW

- Energy conservation through condensate recovery by valve interlocking in EPP machine .
- Improve boiler feed water temperature through heat recovery system modification .
- Utilization of excess heat losses through flue gases for water preheating .
- Flash steam recovery from condensate water through pressure vessel .
- Automatic Damper controlling a/c to boiler pressure for fuel feeding to reduce manpower .
- Automatic controlling of DG's cooling tower pump & fan through RTD for power saving .
- Increase EPP production by automatic controlling of cooling tower .
- Generate more & more Poka Yoke for rejection controlling & safety purpose .

## ACADEMIA



B.Tech (Mechanical Engineering) with Honours – 72.3 %  
Kurukshetra University ( 2012 )

## PERSONAL DOSSIER

- Date of birth : October 7 , 1989
- Residential Address : H.No-936 , V.P.O – Naultha , Tehsil & District – Panipat (132103) , Haryana

Date:

( RAVINDER SINGH )