

MAHENDRA PARASHAR

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SUMMARY

Highly skilled professional with experience in Automobile and Solar PV manufacturing. Proficient in various quality functions, including quality system management, process excellence, new product development, customer support, and team management. Seeking a challenging role where I can leverage my expertise to drive continuous improvement and contribute to organizational success & enhance my knowledge, skills and techniques which can benefit the Organization

KEY TAKEAWAYS

- Supplier quality assurance & vendor development,
- Quality Management system
- Process/Manufacturing Excellence
- New product development
- Warranty handling & Customer Satisfaction
- ISO 9001-2015
- IATF-16949
- ISO-14001
- ISO-45001
- IEC-61215
- IEC-61730
- Calibration
- Metrological and Metallurgical testing
- High pressure die casting/Moulding
- Machining (C&C, VMC, SPM etc.)
- Extrusion & surface treatment.
- Wiring Harness
- Solar PV Module/Cell Mfg
- Solar PV Reliability testing & certification.
- Solar PV BOM Mfg
- Fire Safety & First Aid
- Lean
- Six sigma (GB/BB)
- IMS Auditor, SPC & MSA-Certified
- ISO-9001 Lead auditor-Certified
- PFMEA
- MSA
- SPC
- Control plan
- Engineering drawing (GD&T)
- PPAP
- APQP
- 8D report
- why-why analysis
- 7 QC tool
- 5s

EDUCATION

TRUBA COLLEGE OF SCIENCE AND TECHNOLOGY,BHOPAL (RGPV university)

B.E. –Bachelor of Mechanical Engineering-
2012-2016 (6.61 CGPA)

Intermediate (Class 12th)
2012 (73%)

High School (Class 10th)
2010 (66.5%)

PROFESSIONAL EXPERIENCE

- Working as **Deputy manager**-Quality with Avaada Electro Pvt Ltd, Noida (Lead SQA/IQC/Inprocess/NPD) from 05.02.2024 to till date.
- Worked as **Assistant manager** with Mundra solar energy Ltd. (ADANI solar), Mundra, Gujrat as lead-Supplier quality assurance and incoming quality control from date-01/09/2021 to 05/02/2024.
- Adani solar is one of largest Solar PV cells and module manufacturing ecosystem that manufacture cell, modules. also have in-house facilities for manufacturing EVA, POE, Back sheet, aluminium frames & glass.
- Worked as **Senior Engineer** in Quality with Motherson sumi system ltd, Ahmedabad, Gujrat from 26/09/2018 to 10/08/2021
- Motherson is world wide manufacturer of Wiring harness and electrical circuit components for Automobile industry.
- Worked as an **Engineer** in Quality with FCC Clutch India Pvt Ltd, Ahmedabad, Gujrat from 15/03/2018 to 10/09/2018.
- Worked as an **team member- Quality** with TATA MOTORS LTD. Sanand, GUJRAT From 20/04/2017 to 14/03/2018.

SKILLS

- CMM
- Spectrometer
- Roundness Tester
- Contracer
- Profile projector
- UTM
- Vernier caliper
- Micrometer
- Height gauge
- Depth Vernier
- Bore gauge
- Bevel protector
- Hardness tester
- Roughness tester
- X-ray m/c
- laser thermometer
- Air/Electronic Plug Gauge
- Plating/Dry Film thickness tester
- Pyrometer
- Attribute gauges

SOFT SKILLS

- **SAP-QM**
- **MS-Office**

PERSONAL STRENGTHS

- Excellent leadership and man-management skills.
- Ability to manage a variety of cross-functional team members.
- Excellent written, verbal and presentation skills.
- Excellent organizational and follow-up skills.
- Competent in problem solving, team building, planning and decision making.
- Attention to details and Adaptability

EXPOSURE

Supplier Quality assurance & Development/Incoming Quality Control

- Establish and implement the Inspection and Testing Plan of Complete BOM. (Sampling Plan, Acceptance criteria)
- Ensure Inspection of BOM and Raw material as per specification and Test Plan/CDF. (Cells, EVA, POE, Back sheet, Aluminium frames, Cell and string interconnectors, glass,
- Junction box, sealant, RFID & Labels, packing material etc.) (**Metal, Polymers, electrical, Mechanical components etc.**)
- Participate in the supplier selection process. This includes reviewing the documents submitted by the suppliers and on-site audit.
- Carry out Periodic supplier evaluations as per Plan.
- Perform product and system audits as per schedule & Support the supplier performance improvement process.
- Perform on-site supplier visits for root cause analysis and verification of corrective actions of supplier quality issue.
- Review and evaluate supplier quality and delivery adherence data and provide performance rating to suppliers.
- Support Purchasing team with the supplier approval process by assessing manufacturing/technology capabilities and Health, Safety and Environmental risks.
- Review supplier manufacturing processes, collaborate with suppliers on process improvement and value enhancement opportunities.
- Carry out Oversea inspection and Audits at supplier end with the help of Third party.

Process/Manufacturing Excellence

- Ensure that the quality control procedures are implemented during every step of the production process.
- Perform IPP for New set up of machines and new parts to ensure first time right results.
- Perform RCA for Top defects, Identification of root cause and ensure appropriate corrective and preventive actions.
- Perform statistical analysis of test results for identification of improvement opportunity.
- Monitoring of KPI & Rejection trends, SPC, PPM, Yield to evaluate effectiveness of existing process & ensure process capability is effective to meet product requirements.
- Continual process improvement. (Lean, Six Sigma) .
- Ensure the availability of required tools, including calibrated measuring equipment, Jigs & Fixture.
- Ensure Calibration of equipment's by coordinating NABL accredited Lab and maintain master list, Record & traceability of instrument.
- Calibration of Gauges internally as per defined scope, such as- PG, Snap gauge, Flush pin etc.
- Report quality findings and issues to superiors whenever necessary to seek support.
- Verification of Poke-Yoke.
- Verification of process parameters as per Control plan, Raise NC if required and ensure closure for the same.

Customer Satisfaction

- Understand specifications provided by clients and verify that same has been correctly understood and transferred in the internal documents.
- Responding to client complaints related to the product quality, conducting the root cause analysis and taking necessary corrective actions.
- Serve as liaison between company and external agencies (as appropriate).
- Manage customer PPM (Parts per Million).
- Providing technical support to customers and resolution of queries.
- Conducting Customer satisfaction survey and share results to improve delivery of needs.

PERSONAL INFORMATION:

Father's Name

Late Shri Shailendra Parashar

Date of birth

26th NOVEMBER 1994

Languages known

English, Hindi

New Product development & Management

- Align with the internal sales organizations on product requirement, product roadmap, product offers, product features, and product introduction timelines.
- Serving on committees responsible for Developing and executing a comprehensive product strategy that aligns with the overall business goals and objectives.
- Preparation of NPD plan as per APQP levels.
- Work with Engineering (Design and Manufacturing Engineers) team to define process and Product parameters.
- Manage the development and refinement of Process FMEA's (Failure Mode and Effects Analysis), advanced product quality planning (APQP).
- Identify and implement cost reductions opportunities in materials and processing.
- Review documentation of inspection results across all areas. In appropriate functional areas, this refers to supporting inspection and test status requirements defined by regulations, engineering product specifications or Control Plans, PPAP approval or product warrant submission.
- Support new developments event of customer as well as in-house events. (prototype, Pilot run, Mass trial etc.)
- Preparation of Build-up report for Events and take CAPA for occurred errors.
- Submission of PPAP documents (as per required level by customer).

Quality Management System

- Responsible for updating and control of specific documents- like Control plan, FMEA, Customers specific report, all Auditable documents, (Level-1, 2, 3, 4 document and Etc.)
- Implementation of the quality management system and procedures across the Facility.
- Coordination in third party Audits to certify the organization with applicable standards Such as ISO, IATF, IEC.
- Responsible for conducting internal and external audit as per plan and timely closure. (system/process/Product/layout/Supplier etc.)
- Organize training for skill enhancement and improve effectiveness. (Internal auditor, Lean tools, Core tools, Behavioral etc.)
- Compile quality information needed for the management review and preparation of MIS.
- Assist in preparing budgets for department.

People & Relationship Management:

- Set department objectives/KPIs and review and assess ongoing performance of direct reports.
- Provide leadership, direction, management and development to the Subordinates.
- Undertake personal continuous training and development for self and subordinates.

Solar PV specific

- Having Knowledge of Complete IQP preparation/BOM testing as per CDF & Specification.
- Having knowledge of Manufacturing process of Cell, Encapsulant, Backsheet, Frame & Glass.
- Preparation of MQP & daily IPQC audits, also ensures closure of observation.
- Various process related testing as per Plan such as- cell peel, Gel, Adhesion, Potting ratio, sealant weight, laminator & stringer thermal profiling.
- Module reliability testing as per IEC61215, IEC61730.
- Sun simulator testing and preparation of reference modules (Gold, bronze).
- Understand certification requirements and process for PV modules, design, and test to ensure compliance with BIS, UL, IEC, TUV and other certifying bodies.
- Can Lead SQA/IQC/IPQC/PSI/FQC/Module certification (BIS, UL, IEC).

Declaration: I hereby certify that all the information provided here is correct to the best of my knowledge.

Mahendra Parashar