

AVIJIT GHOSH

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High caliber mechanical engineer with over 23 years' rich experience in engineering industry; offering expertise in manufacturing of heavy machineries & precision mechanical components, and fabrication, foundry & forging operations; and seeking a challenging assignment as...

DGM PRODUCTION / DGM MANUFACTURING / SENIOR MANAGER – WORKS / HEAD - PRODUCTION PLANNING & CONTROL / SUPPLY CHAIN MANAGER / MANAGER - QUALITY CONTROL

Excellent technical, commercial and administrative skills with cross-functional leadership experience at works level, capable of spearheading manufacturing operations right from procurement through final successful delivery. Currently working with **CDE Asia – Kolkata, India**, since July 2011, as **Senior Production Manager**. Core competencies include...

✓ Planning & Organization	✓ Fabrication & Assembly	✓ Wastage & Rejection Control
✓ Manufacturing Engineering	✓ Process & Quality Controls	✓ Productivity Enhancement
✓ Resources Management	✓ Estimation & Budgeting	✓ Total Quality Management
✓ Production Management	✓ Procurement & Contracting	✓ Industrial Relations Mgmt.
✓ Workshop Management	✓ Supplier Quality Management	✓ Cost & Capacity Optimization

PROFESSIONAL SYNOPSIS

- Broad based experience in the operations of, **Fabrication, Machine Shop, Forging, Sheet metal, Assembly, Casting**, etc. across large works/facilities.
- Expertise in **material planning**, capacity planning, production planning & scheduling, job & resources allocations, setting & controlling process, **implementing quality controls**, optimizing line capacity, and achieving completion.
- Submit proposals and monitor approved manufacturing budget to ensure that the manufacturing function has all the resources required to meet its objectives within its agreed financial parameters
- Prepare daily/weekly/monthly **production plans**; organize all support resources and manufacturing activities to deliver agreed outputs, product quality at desired cost parameters.
- In-depth knowledge and experience in operations viz. **CNC Machining (horizontal/vertical boring, milling, E.D.M., grinding, lapping, etc.)** Welding & Cutting (gas cutting, plasma cutting, TIG/MIG/Arc welding), **Surface Preparation**, etc.
- Working experience in **foundry** with good **casting process, Pattern development, Molding process & Inspection**.
- Fully conversant with **Six Sigma** methodologies & **Lean Manufacturing** techniques with ability to drive continuous improvements in manufacturing process, quality, cost, productivity and efficiency.
- Well versed with QMS standards viz. **TS 16949, ISO 9001 & ISO 14001**, and management & documentation of the systems for implementation, certification, maintenance and recertification.
- Proficient in **QA/QC planning**, quality control techniques, defect analysis (**RCA**), closure of NCRs through CAPA, etc.
- Hand on experience in preparation of Welding Procedure Specification (**WPS**) & Procedure Qualification Record (**PQR**) as per **ASME** Section IX for Fabrication, preparation of **PPAP** Documentations such as **PFD, Control Plan**, etc., and development of press tools/jigs/fixtures for diverse manufacturing tasks.
- Excellent team leader and team player with strong communication, interpersonal and problem solving skills; capable raising team performance standards to the highest level through continual evaluation, gap analysis, training & development.
- Initiate and assist **continuous improvement** and development of appropriate manufacturing policies, techniques, systems and processes that will meet short term and long term business objectives, and ensure their systematic implementation.
- Monitor all operations, processes and working conditions to ensure provision of a **safe and healthy** working environment.
- Ensure **maintenance** of all Machinery, Equipment, Plant, Utilities, Premises etc. to be functioning at optimum levels and costs.
- Ensure maintenance of all required records and submit **MIS** for regular review of performance.
- Execute expansion / development projects as per set objectives, time table and budget.
- Facilitate new **product development** in co-ordination with Engineering, Marketing and business development teams.

EXPERIENCE SUMMARY

Senior Production Manager / Sr. Manager Workshop
CDE ASIA LTD. – Kolkata, India

since Jul 2011

CDE ASIA LTD is a Part of **CDE Global (UK)**, a leading player in **Iron ore washing** market in India, over the last 20 years global has grown to be recognized as a leading supplier of **washing equipment** for quarries and mines as a global market. The following equipment & systems provided to wash such as cyclone, Mobile conveyor, Aqua store, Aqua cycle - Thickeners, Vibrating Screens, Hopper, Static Feed Conveyor, etc. CDE Asia also pioneers the concept of **Sand & Aggregate** washing in Indian market)

Job Profile

- Responsible for production and on time delivery of the projects (plant & equipment) & spares.
- Ensure **100% completion of job** with specified quality standards before delivery, with **zero snags**.
- Plan of production to meet the **TCS** (Turnover Control Sheet) target.
- Maintain equipment wise standard process sheet, route sheet and load chart.
- Introduce **departmental performance** indicators, and ensure **achievement of KPIs**.
- Manage monthly raw material planning, calculation and indenting for procurement.
- Define clear responsibilities to managers and engineers, and organise training programs to enhance their skills.
- Identify and execute cost saving idea in the areas of production, inventory and procurement.

Highlights

- **Increased Productivity** as well as Turn over by 100% in FY 2011-12 from INR 18Cr. to INR 35Cr.
- Achieved production worth **INR 48 Cr.** in the FY 2012-13 which is 40% higher than previous year.
- **Increased manufacturing productivity by 35%** and achieved the Turn over target of INR 65Cr. in FY 2013-14.

Manager Production – Fabrication
UNITED CONVEYOR CORPORATION INDIA PVT. LTD. – Kolkata, India

Feb 2006 – Jul 2011

(**USA based** listed ISO9001-2008 certified company, manufacturing globally competitive Fly Ash handling systems and equipment for Thermal power plant, Cement plant, etc. - e.g. vent filter, Air receiver, Swing disk valve, Shear disk valve, Expansion joint, Crusher, Pyrite hopper, Bag filter, Mill reject bin & fabricated steel structure etc.)

Job Profile

- Responsible for **production planning & productivity improvement**.
- Prepare process planning (Routing), loading & scheduling.
- Control utilization of Men, Material & Machine to achieve optimum utilization efficiency.
- Prepare **Inspection & Test Plan (ITP)** for the entire fabrication process
- Coordinate with other department such as Sales, Design, PPC, Purchase, Accounts, etc., and manage shopfloor operations.
- Conduct **time and motion study** on each equipment to maximize capacity utilization.
- Generate various reports related to production, and submit daily/monthly report on schedule.
- Maintain and update **corporate communication** standard in the factory.
- Organise **training programs/events/awards** in the factory to maintain high level of motivation.
- Manage and coordinate with customers and visitors during inspection and visit at factory.
- Manage the **commercial functions** such as negotiations with supplier, contractors & labor regarding pricing.
- Reduce dead / slow moving raw material stock to NIL and store consumables to minimum.

Highlights

- **Increased productivity** 40 % .
- **Improved quality** of product and **appreciated by NTPC, BHEL** etc.

Assistant Manager – Production Planning & Control
CRESCENT FOUNDRY – Kolkata, India

Feb 2003 – Jan 2006

(An ISO 9001-2000 Company engaged in manufacturing Gray Cast Iron & ductile Iron used in Water distribution, Drainage and Sewerage system, as per international standards including ASTM, EN-124 etc. for USA, Canada, France, Italy, UK & Germany).

Job Profile

- Overall **production incharge** of Gray cast Iron (casting capacity - 40 Ton/day).
- Calculate charging quantity in a cost effective manner, and monitor daily production to meet production target.
- Implement methoding with development of pattern, mould cavity with runner riser for heavy weight casting.
- Create monthly **raw material & accessories** planning, and prepare maintenance checklist.
- Create Target for coke consumption with respect to good casting & % of rejection.
- Finalize and achieve expenses within agreed Budget.
- Ensure **hassle free sage (ERP) implementation** for area relating to production.
- Check **mould preparation, core preparation, pouring temperature, etc., and quality of fettling, blasting & painting**.
- Supervise pattern making, No Bake moulding in Induction furnace & Cupola melting process for SG iron and Gray iron.

Highlights

- Consumed only 20% pig to achieve CLASS 30 Gray Iron Casting, through cost effective charging calculation
- Reduced rejection below 5%, and weight of casting by 2 to 3 %.

Assistant Manager – QC & Manufacturing Engineering
NIPHA EXPORT COMPANY (P) LTD. – Kolkata, India

Oct 1998 – Jan 2003

(An ISO 9001-2000 Company engaged in manufacturing Precision Machine tools - Ginning M/C, and Fabrication & Casting).

Highlights

- **Reduced NCRs by 30%** thru supplier improvement; correcting specifications, drawings and BOM error.
- Analysed and documented root cause for NCRs (including supplies), and provided Corrective action plan to reduce NCRs.
- Generated various report related to defects and line rejection.
- Achieved on time delivery performance through on time inspection.
- Checked day to day chemical analysis report by cup test & lab test, in foundr
- **Handled different machines** e.g. Horizontal & Vertical boring, E.D.M., Grinding, Lapping and other conventional machines.
- Used wide range of measuring instruments for inspection.
- Actively involved in **development of sheet metal components, and assembly of mechanical components.**
- Participated in **NDT testing (DP, RT, UT)**, and tensile/pressure/load testing of casting.
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QC Engineer

Baynee Industries

Aug 1992 – Sep 1998

(Engaged in **manufacturing** precession automobile components such as Water pump, Oil filter, Hand lever control rod, Window regulator, Steiner etc. for leading Car Company such as TELCO, MARUTY, H.M, and MAHINDRA & MAHINDRA, etc.)

Highlights

- Implemented ISO 9001:2000, and **prepared Quality Assurance plan & PPAP documentations.**
- Improved **product quality** through technical innovations and benchmarking, and resolved customer complaints.
- Ensured **timely calibration of measuring instruments** from approved laboratory, verification and filing of certificates.
- Developed and implemented different types of press tools, jigs & fixtures to facilitate improved productivity and quality.
- Supported supplier quality improvement by guiding through improvement groups.
- **Handled different machines** e.g. Horizontal & Vertical boring, E.D.M., Grinding, Lapping and other conventional machines.
- Used wide range of measuring instruments for inspection.
- Actively involved in **development of sheet metal components, and assembly of mechanical components.**
- Participated in **NDT testing (DP, RT, UT)**, and tensile/pressure/load testing of casting.
-

EDUCATION & PROFESSIONAL DEVELOPMENT

- **Diploma in Mechanical Engineering**, North Calcutta Polytechnic, 1992.

Training/Courses/Certificates

- Certificate of Participation in the **Management Development Programe at IIM – Kolkata**, 2013.
- Workshop on TRAIN THE BRAIN, conducted by ZEST INDIA, at Pride Hotel,Kolkata in the year of 2013.
- Certificate in **Computer Aided Designing**, from Computer Training Institute, Govt. of West Benagal, 2011.
- In-house training program on Green Sand System and No Bake Resin Binders, organised by the Center of Education and Training, at The Institute of Indian Foundrymen, 2008.
- Certificate of Specialised Managerial Training in **ISO 9000/TQM**, by Small Industries Service Institute – Kolkata, 2003.
- Certificate in Computing from Indira Gandhi National Open University, 2003.
- Certificate of Perticipation in **German Language course 4G1A-F1** from Goethe Institute – Kolkata, 2002.

OTHER PARTICULARS

- **Date of Birth:** November 06, 1966
- **Language Proficiency:** Fluent in English, Hindi & Bengali, and Germany (speaking)
- **Nationality:** Indian
- **Passport No:** K6650125, valid up to 2022.
- **Alternate Contacts:** (M) +91 9874761850, (E-mail) aghosh1966@yahoo.in
- **International Experience:** 2 Weeks @ Cooks Town – Ireland