**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**
* **Manufacturing Engineering**
* **Resources Management**
* **Production Management**
* **Workshop Management**
* **Fabrication & Assembly**
* **Process & Quality Controls**
* **Estimation & Budgeting**
* **Procurement & Contracting**
* **Supplier Quality Management**
* **Wastage & Rejection Control**
* **Productivity Enhancement**
* **Total Quality Management**
* **Industrial Relations Mgmt.**
* **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 enhnace their skills.
* Inentyify 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% heigher than previous year.
* **Increased manufacruring productivity by 35%** and achieved the Turn over targert 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 equipmentfor 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 optimium 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.
* Mange 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 capaciy - 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 & acessories** planning, and prepare maintenanace checklist.
* Creat 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, poring 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 Precession 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.

**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 Perticipation 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 Perticipatation 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