

CURRICULUM VITAE

NAME: MR. ASIM KUMAR SENGUPTA

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DATE OF BIRTH: 25.10.1949

NATIONALITY: INDIAN

ACADEMIC QUALIFICATION:

- a) Passed H.S. Examination in Science Stream Securing 72.4% marks on average in the year 1996, W.B. Board. Awarded National Scholarship.
- b) Passed Bachelor of Mechanical Engineering with Hons. B.M.E. (Hons.) from Jadavpur University in the year 1971 securing 72.4% on the average. Special subjects were Advanced Production Processes (Secured 100 % marks). Design of Vertical Diesel Engine, Design of Turret Lathe, Metallurgy, Machine Design, Fluid Mechanics, Thermodynamics, Internal Combustion Engine, Electrical Machine, Metal Cutting etc.
- c) Certified Lead Assessor IRCA. U.K.
- d) Passed Lead Assessor Course of ISO 9000, Q.A. System from P.E. Batalas, U.K.
 - I. A certified Lead Auditor of TUV CERT, GERMANY for ISO 9000 Q.A. System.
 - II. Passed Environmental Management System Auditor Course of ISO 14000, TUV CERT (RWTUV), Germany.
 - III. Passed Lead Auditor Course of OHSAS 18001:2007 from BSI

- IV. Passed Lead Auditor Course of Information Security Management ISO 27000 from BSI
- V. Passed Lead Auditor Green Belt of 6 Sigma from BSI
- VI. Passed Lead Auditor Course of ISO 22000:2005 FSMS from BSI
- VII. Passed Lead Auditor Course on Energy Management System (EnMS) ISO 50001
- VIII. Passed Certificate Course in German Language, Jadavpur University in 1st Division
- IX. Passed Diploma Course in German Language, Jadavpur University
- X. Passed Fortan Computer Certificate Course Organization by Institution of Engineers.
- XI. Applying for P.H.D. Programme in Cryogenic Department, Jadavpur University for carrying out advanced research in Cryogenic Engineering.
- XII. Published the World's first Book on ISO 14001 (Environment Management System Audit).
- XIII. Published a Book on ISO 9000 (Quality Management System Audit).
- XIV. Presently undergoing Computer Aided Design (CAD) Computer Aided Manufacturing (CAM) Computographics courses on IBM system.
- XV. Completed Unix, C, Oracle, Advanced Computer Application Course from Institution of Chartered Accountants of India.

PROFESSIONAL QUALIFICATION:

- a) Life Member of Institution of Engineers, India, M.I.E.
- b) Life Member of Indian Institute of Welding, M.I. Institute (W).
- c) Fellow of the Indian Cryogenic Council (F.I.C.C)

- d) Chartered Engineer.
- e) Member of Calcutta Management Association, (C.M.A)
- f) Surveyor & Loss Assessor Category 'A' of IRDA, Govt. of India
- g) Competent Authority of Explosives Dept., Govt of India
- h) Competent Authority of Factory Inspection, Govt. of India

AWARD:

Recipient of all India Industrial Gases Manufactures Association (AIIGMA) Best Technical Paper Award in year 1985. 7th All India Conference held at Goa, Topic: Oxy-enrichment of Air-Blast for Copper Converters and Flash Smelter.

PAPERS:

Best Technical Paper Award in AIIGMA in 1986 Safety Symposium.

- a) Published Paper on Advanced Welding Techniques in Amrita Bazar Patrika.
- b) Published Paper on SYNFUELS : Alternate to conventional fuels in the Eastern Region Conferences of AIIGMA held in Park Hotel, December, 1985 (COAL BASED SYNFUELS).
- c) Published Paper in Safe Handling of Cryogenic Liquid in Economic Times.

EXPERIENCE:

1.
 - a) Worked in M/s. Stewarts & Loyds of Indian Limited as Sr. Production Engineer for approximately 7 years in the fields of High Pressure Piping Fabrication, erection and Commissioning involving Carbon Steel, Stainless steel, Chrome Moly Steel etc. for Thermal Power Plants, Chemical Process Plants, Nuclear Plants, Fertilizers Paper/Cement Plant etc. (1972-1978).

- b) Fully conversant with Sophisticated Welding Techniques e.g. TIG, MIG, Submerged Arc. Etc. for fabrication of energy efficient system.
- c) Fully conversant with Radiographic evaluation of Welded joints, DP. Test, Magnetic particle Examination and other non destructive Testing Methods
- d) Shop floor Management with direct Labour/Staff control.
- e) Fully conversant with PERT/CPM Network Analysis / planning with Computerized Controls.

2.

- a. Worked in M/S. Indian Oxygen Limited as Installation Engineering in Gases Division in Installation Engineering with Oxygen, Nitrogen, Acetylene, Nitrous Oxide, other Industrial gases, Design of Oxygen enriched air blast systems (1978-1987).
- b. Site Management, Co-ordination with Clients Govt/pvt, Design of Cryogenics System conversant with Tender Preparation.
- c. Submission of Technical/Commercial/Bids, Attending Techno Commercial Discussions with Consultant e.g. EIL./MECON/M.N. Dastur/Tender Negotiations, Planning/execution in consultation with Consultants/Client.
- d. Conversant with design requirements of Oxygen, Nitrogen, Argon, other Industrial pipelines, Liquid/Gaseous Installation with sophisticated welding technology.
- e. Preparation of feasibility reports/project reports/market surveys.
- f. Inspection of Critical Process Equipments of Foreign origin / indigenous make of Refineries /Fertilizers / Petrocomplexes / Metallurgical Process Plants / Cargo /Machinery etc.
- g. Non-destructive testing as per ASME-SECTION VIII of Pressure Vessels. Heat Exchangers / Pumps /Compressor / Fabrication etc. Inspection of equipments carried out in India's large fabrication shop, e.g. BHEL/HEC/L&T/KLC/ASP/SAIL

etc. Fully conversant with Cement/Paper/Steel Industries equipments inspections and fabrication.

- h. O₂, N₂, H₂, LPG, Liquid O₂/N₂/H₂/Ag System Installation, Testing & Certification, Inspection Covering Procurement / inprocess / final stage Inspection including X-Ray / NDT / Helium Leak detection / Ultran High Vacuum System (100 micron)
 - i. Examination of feasibility study reports on Mechanical/Chemical/Electronics Projects with foreign collaboration.
 - j. Techno-Economic appraisal of industrial projects including financial analysis indicating cash flow/profitability/break even/balance sheet analysis etc.
 - k. Preparation of viability study reports on diversification projects including balancing equipments. Conducted Energy Audit.
3. Worked for M/S. Otto India limited, Kolkata (An Indo German Company) as Manager- Quality Assurance Systems (1987- 1993) and given consultancy for setting up of a large Engineering Project.
- a) Inspection of Cokeovens, Chemical Process Plants, Critical Pressure Vessels, Heat Exchangers, Technological Structures, Castings, Forgings, Rotary Equipments etc. as per ASME, SEC, VIXI, DIN, BIS,BS standard at Vendors Premises all over India.
 - b) Conducting Awareness Programmes on ISO 9000 Quality oriented system for different groups of people in the Company in the office as well as in sites.
 - c) Looking after the ISO 9000 / ISO 14000 / OHSAS-18001 implementation in the Company.
 - d) Prepared the documentation work pertaining to ISO 9000 Quality Management Systems, Integrated Management System (IMS) for 'QUALITYMANUAL' and 'PROCEDURES MANUAL' , for all the functional areas, e.g. Engg. Projects, Inspection, Construction. R & D etc.
 - e) Liasioning with external assessment bodies for certification work.
 - f) Conducting internal auditing for ISO 9000 / IMS

- g) Attended seminars on ISO 9000/ IMS and internal auditing training and TQM organized by Confederation of India Industries (CIL), Calcutta Management Association, Bureau Veritas Quality International.
 - h) Arranged seminars on ISO 9000/ IMS for the manufacturing works as well as for the engineering, contract management, quality assurance, personnel, construction, commissioning, R & D departments.
 - i) Carried out audit of many Industries on behalf of TUV India/ISC/KMAQA etc. and conducted Energy Audit.
 - j) Given consultancy for management with modern technology to Leather Units like Alam Tannery Ltd., Alexim Bag & Apparel, J.N.Leach, Ajanta Leathers & Fashions Pvt. Ltd., Manvi Exports etc. as per ISO Quality Management System.
4. Worked as a Regional Manager (East) in TUV INDIA (P) LTD. (Subsidiary of RWTUV, GERMANY), & premier Quality System Certification Body of the world. (1994-1996) & conducting audit of different organization e.g. SAIL/NALCO/BALCO.
 5. Experienced in GMP/HACCP/Organic implementation / FSMS / FSSAI along With documentation review on site compliance audit with relevant check list and preparation of reports. Carried out consultancy on GMP and WHO - QMP for Electro-Medical & Allied Industries Ltd. (A Govt. Enterprise), Kolkata and Allen Laboratories, Kolkata.
 6. Carried out third party inspection as a competent authority possessing necessary certificate issued by Ministry of Finance, Govt. of India.
 7. Possessing Competent person license for Factory inspection as issued by the Directorate of Factories, Govt. of W.B.
 8. A certified Lead auditor of IRCA (UK) and TUV - CERT (GERMANY) and also Environment Management System Audit (ISO 14001) of TUV Germany.
 9. Diverse field of Quality System Management (ISO 9000). Environment Management System (ISO 14001) / ISO 27000 / ISO 22000:2005 / OHSAS 18001:2007 implementation and audit in different cross section of Industries dealing with hazardous substances in Chemical Process Engineering, Effluent Treatment System, Power Plants, Electronics

Industries, Steel Plants, High Precision, Mechanical Industries, Metallurgical Process Plants, Oil Refineries, Petrocomplexes, Electrical & Electronics Industries, Management Science Institution, Premier Consultancy House and Service Industries in India and abroad.

10. **Surveyor:** a) I worked as Regional Manager (East) under TUV (India) Pvt. Ltd. during the period from 1994 to 1997 where I used to conduct many survey jobs in different areas like Engineering Equipment Cargo, Marine Cargo, Loss Prevention, Pre-shipment etc. in addition I had to deal with ISO Management System.

b) Posses the current Surveyor License No. SLA39709/03/08/EXP. 12/04/2018 and empanelled in category 'A' against M. Cargo & E. Cargo vide certificate No. 39709/99 Dtd. 31.10.02 issued by IRDA New Delhi since I had to deal with plenty of Marine & Engg. Cargo cases for the last twenty years thereby awarded the category 'A' for the above streams. Of late , I have been dealing with Fire (M.D.) & few cases of motors also.

11. Recognized competent person under rule 18,19,33,43 & 44 (2) of SMPV (U) (Amendment) rule 1999 and petroleum rule 126 & 130 by Chief Controller of Explosives, Govt, of India, Ministry of Commerce and Industry, Nagpur.

HAZARD ANALYSIS AND OPTICAL CONTROL POINT (HACCP)

Has conducted number of HACCP audits for 10 numbers Tea Gardens as well as other Food Processing units, well conversant with the norms.

OCCUPATIONAL HEALTH AND SAFETY (18001-QHSAS)

Has conducted number of machinery export units and other industries including leather, chemical, metallurgical process plants highlighting the occupational hazards and required safety aspects.

SOCIAL ACCOUNTABILITY AUDIT (SA-8000)

Has conducted many Industrial Engineering Exporting units, leather and chemical manufacturing units dealing with International clients with mega outlets.

TS-16949

Trained as a TS-16949 course under B.S.I. Management Systems India Pvt. Ltd. and conducted audit to many manufacturing units during the last 5 years.

INSPECTION OF RAILWAY ITEMS

Inspection of Railway items for Indian Railways, Sri Lanka Railways and Bangladesh Railways like Signaling Items with interlock, Points and Crossings, Switches, Fish Plates, Welded Crossings, Cast Check Rail Block Assembly, Helical Coil Springs for T and TC Cars S8 Class, PCC Bolster Gear, Heavy Cranes etc.

Inspection and auditing of Wagon Manufacturing along with various accessories, Tankers for explosive items.

Inspection of high pressure piping fabrication, election & commissioning involving in Carbon Steel, Chrome Moly Steel, etc.

HACCP AUDIT / FSMS ISO 22000:2005 AUDIT

Certified Lead Auditor of Food Safety (HACCP) and ISO 22000 course completed organized by BSI India Pvt. Ltd. also carried out no. of HACCP/FSMS Audits including Tea Sector and many other food sectors.

Lead Auditor course on ISO 18000 (OHSAS) for 5 days organized by KVQA (NORSK Accreditation of Norway).

COURSES:

- 1) Certified Lead Assessor IRCA/UK
- 2) Lead Auditor Course of ISO 9000, QA System from P.E. Batals, UK
- 3) Passed Lead Auditor course of TUV CERT, Germany for ISO 9000 QA System
- 4) Passed EMS Auditor Course of ISO 14000, TUV CERT (RWTUV), Germany
- 5) Passed Diploma course in German Language from Jadavpur University
- 6) Passed Fortan Computer Certificate course organized by Institute of Engineers
- 7) PHD programme in Cryogenic department, Jadavpur University for carrying advance research in Cryogenic Engineering.
- 8) Completed Computer Aided Design (CAD) Computer Aided Manufacturing (CAM) Computographics courses on IBM system.
- 9) Completed Unix, C, Oracle, Advanced Computer Application Course from Institution of Chartered Accountants of India.
- 10) Lead Auditor Course on ISO 18001 (OHSAS) for five days organized by KVQA (NORSK Akkreditering of Norway)
- 11) Lead Auditor course of Food Safety (HACCP) & ISO 22000 Course completed organized by BSI India Pvt. Ltd.
- 12) Attended training and successfully completed a 14 hrs. ISO 9001 (2000) auditor training course conducted by National Quality Assurance Ltd. on 28.07 & 29.07.2001
- 13) Imparted training to the management staff of M/S Electrometer Corpn., Kol-14 on calibration of measuring / precession instruments as per requirement of ISO 9001 on 27.08.01

CATEGORY - EMS - General (Specialist)
- EMS - Hazardous Materials (Specialist)
- EMS - Air Pollution Control (Specialist)
- EMS - Water Pollution Control (Specialist)
- EMS - Solid & Hazardous Waste Management (Specialist)
- EMS - Soil & Groundwater Protection (Specialist)
- EMS - External Notice Control (Specialist)
- EMS - Energy Management (Specialist)

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(A.K. SENGUPTA)