

CURRICULUM VITAE

NAME **RAVINDRA KUMAR**

- Date of Birth 21st June 1945
- Education B.E. (Met) from IIT Roorkee in 1967 in 1st division,
GE (Industrial Engg.), IIE, Mumbai with Silver Medal in 1988.
- Father's Name Late Shri R C Agarwal

EXPERTISE

- ✓ 14 years in higher education
- ✓ 35 years experience in steel industry
- ✓ Rolling Mills, especially steel
- ✓ Production/ Operation Management
- ✓ Project Management
- ✓ Quality Management
- ✓ Consultancy to steel industry
- ✓ Administration
- ✓ Facilitating Management
- ✓ Human Resource Management
- ✓ Establishment and Management of higher education institute

ACADEMICS

Established "Shriram Institute of Management & Technology" in July 2004 at Kashipur. Founder President & Managing Director of the Institute till today. The Institute runs MBA, BBA, BCA, PGDCA & BEd courses at present.

In 2003, established "**Social Welfare & Education Society**" at Kashipur for development of education in the area. Founder President of the Society till date.

Worked, from April'1987 to Feb'03, with **Centre for Engineering & Technology** (CET), an in-house project design, engineering & consultancy wing of Steel Authority of India Limited (SAIL).

After working for 4 years in Ranchi, was posted at Burnpur Sub-Centre in IISCO in 1991 and there rose to the level of Joint Director & I/c and worked as Head of the Unit from 1995 up to Feb'03 before availing VR.

In 1967, joined Alloy Steels Plant (ASP), Durgapur, a unit of SAIL, as GE. Therein worked as Rolling Mill Engineer at various positions up to 1987.

Passed Graduateship Examination of Industrial Engineering with SILVER MEDAL in 1988 from Indian Institute of Industrial Engineering, Mumbai.

Graduated in Metallurgical Engineering in 1st division from University of Roorkee (now IIT) in 1967.

MEMBERSHIPS

- ❖ FELLOW of Institution of Engineers (India)
- ❖ Life Member of Indian Institute of Metals

ENHANCEMENT OF SKILLS

During working in CET and ASP, undergone various training programmes to enhance the technical and managerial skills, briefly in following areas:

- ❖ Attended several International, National and Local Seminars/ Conferences
- ❖ 'Strategic Management' at SAIL's Management Training Institute (MTI), Ranchi
- ❖ 'Managing Change' at MTI, Ranchi
- ❖ 'Enhancing Managerial Effectiveness' at MTI, Ranchi
- ❖ 'Production Management' at MTI, Ranchi
- ❖ 'Human Aspects of Management' at ASP
- ❖ 'Leadership & Productivity' by National Productivity Council
- ❖ 'Materials Management' at MTI, Ranchi
- ❖ 'Finance for Non-finance Executives' at ASP
- ❖ 'TQP/ ISO 9000' at CET
- ❖ 'SQC and OR Methods' by Indian Statistical Institute, Calcutta
- ❖ Refresher course in 'Quality, Properties and Applications of Saleable Products', RDCIS, Ranchi
- ❖ Refresher course in 'Rolling Mills', RDCIS, Ranchi
- ❖ 'General Orientation Training' (6 months) at ASP
- ❖ Vocational Training on 'Rolling of metals' at Kamani Metals & Alloys, Mumbai

FOREIGN VISITS

- ❖ Attended International Conference on 'Railway Wheelsets' in **Italy** in 2001.
- ❖ Visited **Germany** for adoption of technology for production of Locomotive Wheels for Indian Railways in 1990

WORK EXPERIENCE

- **As President & Managing Director of Shriram Institute**

Founder President of "**Social Welfare & Education Society**", established in 2003 at Kashipur for development of professional education in the area.

Under the Society, established "**Shriram Institute of Management & Technology**" in July 2004 at Kashipur. At present the Institute runs BBA, BCA, PGDCA & BEd courses, affiliated to Kumaun University.

Under the Society, established "**Shriram Institute of Management & Technology (PG College)**" in July 2009 at Kashipur. At present the Institute runs MBA course, affiliated to Uttarakhand Technical University.

Founder President & Managing Director of both the above Institutes.

The Shriram Institute has made rapid strides in attaining its objectives in a short span of time. With a modest enrolment of 66 students in July 2004, the Institute boasts of near 450 students in 2016-17 session. The Institute employs about 50 distinguished faculty and staff. The Institute is affiliated to Uttarakhand Technical University for its MBA course and to Kumaun University for BBA, BCA, PGDCA & BEd courses besides its MBA course is approved by AICTE and BEd course by NCTE.

- **As Head in ASP & CET**

While working as Departmental/ Sectional head in CET and ASP, objective was to provide leadership, technical guidance, co-ordination & control of the department and inter-departmental co-ordination, so that the assignments are completed to the satisfaction of the customer both in terms of time schedule & quality as per following Key Result Areas:

- Adherence to schedule
- Updating technology information
- Standardisation
- Effective utilisation of resources
- Client / Sub-Centre contact at fraternity level
- Training & HR.

- **In CET**

CET is engaged in project design, engineering, technology absorption and consultancy from concept to commissioning to iron and steel plants. It has HO at Ranchi with its Sub-centres and Offices at Bhadravati, Bhilai, Bokaro, Burnpur, Durgapur, Rourkela, Bangalore, Kolkata and Delhi. Besides providing service to own SAIL Plants, CET also provides services to other plants in India & abroad.

Working in CET was really a dream fulfilled where all facets of engineering and management functions were fully utilized. The tenure of 16 years in CET was associated with more than 50 projects, several of them as Leader of the group. Every project normally consisted of preparation of Reports on Technical Feasibility, Scheduling, Cost Estimating, Techno-economics, Financial Viability, Technical Specifications, Tendering, Tender Evaluation & Detailed Engineering, Designer's Supervision, Co-ordination, etc. The job involves writing, preparation, presentation and printing of the reports and other documents.

Also I was instrumental in implementation of ISO 9001 Quality Systems since 1994 in CET.

- **In ASP**

ASP produces ingots, CC billets, blooms, billets, bars, plates, sheets, forgings, etc., in various alloy steel grades including stainless steels. It has Steel Melting Shops, Concast Shop, Blooming Mill, Billet Mill, Forge Shop, Conditioning Shop,

Plate & Sheet Mill, Bar Mill, Heat-treatment Shop and other auxiliary units. The work force of ASP during my tenure was around 8,000.

The experience in ASP relates specially to Plate & Sheet Mill, a large department under Rolling Mills where very often I worked as Head.

There I learned, gained experience and developed my skills in production of plates and sheets specially of Stainless Steels by way of hot or cold rolling, heat-treatment, pickling, finishing, dispatching, etc. I also managed technical functions and while doing so I commanded all the functions like co-ordination, maintenance of equipment, production planning, cost control, techno-economics, material procurement, technical development, organization, personnel management, training, printing, etc. Labour control was indeed my forte.

Facilitated Quality Circles and implemented various improvement projects. Also was faculty in ASP Training Department.

PAPERS AUTHORED

Following papers were authored/ presented/ published:

- ❖ Pollution Control Measures in Pickling Lines of Plate & Sheet Mill of ASP
- ❖ Rolling Mill Rolls: Manufacture and Maintenance
- ❖ Installation of Experimental Coating Line
- ❖ Production of Locomotive Wheels in SAIL
- ❖ Various training material for Engineer trainees
- ❖ Defects in Cold Rolled Stainless Steel Sheets

PROJECTS

A list of important projects, where contribution is considerable is given below. The main activities in a particular project are Study Report, Feasibility Report, Technical Tender Specifications, Tender Evaluation, Detailed Engineering, Designer's Supervision during erection, etc.

- ❖ Modernisation of Wheel & Axle Plant at Durgapur Steel Plant (DSP). Various projects have been done for this plant.
- ❖ BOD Plant at DSP

- ❖ Modernisation of Burnpur Works, IISCO
- ❖ Revamping of Merchant & Rod Mill at Burnpur Works
- ❖ Revamping of Heavy Structural Mill at Burnpur Works
- ❖ Gas Cleaning Plant in Steel melting Shop in Burnpur Works
- ❖ Pollution Control System in Dolomite Plant in Burnpur Works
- ❖ Pollution Control Plant in Boilers in Burnpur Works
- ❖ Up-gradation of Blast Furnaces in Burnpur Works
- ❖ Cast House Slag Granulation Plant at Blast Furnaces in Burnpur Works
- ❖ Water Recirculation System in Burnpur Works

- ❖ Acid Fume Extraction System In Pickling Unit of ASP
- ❖ Fume Extraction System in Steel Melting Shop of ASP

- ❖ Hydraulic Automatic Gauge Control in Plate Mill of Bhilai Steel Plant (BSP)
- ❖ Finishing Facilities in Plate Mill of BSP
- ❖ Hydraulic Automatic Gauge Control in Cold Rolling Mill in Rourkela Steel Plant
- ❖ Gas Cleaning Plant in Blast Furnace 5 of Bokaro Steel Plant (BSL)
- ❖ Pollution Control Plants in Spun Pipe Plants and other Foundry Shops in Kulti Works
- ❖ Balancing Facilities and Induction Furnace in Spun Pipe Plant at Kulti Works
- ❖ Continuous Sand Mixer in Steel Foundry in Kulti Works
- ❖ Production of Ductile Iron Pipes at Kulti Works

RECOGNITION

- ❖ Best CET Sub-centre Award – Two times
- ❖ Best Completed Project Award for “Revamping of Rolling Mills (Burnpur)” by SAIL, Ranchi.
- ❖ Certificate of Honour by The Indian Institute of Metals, Durgapur Chapter for “Development of Melting, Rolling and Annealing Practice for Jackal Steel”
- ❖ Prof. B Chakraborty Silver Medal by Indian Institution of Industrial Engineering, Mumbai for obtaining All India SECOND rank in Examination of Graduateship in Industrial Engineering.
- ❖ Best Paper Award for “Pollution Control Measures at Plate & Sheet Mill, ASP” by SAIL/ CET, Ranchi.
- ❖ Recognition Award for 25 Years of Service to SAIL
- ❖ Award for Implementation of Rajbhasha Hindi in Sub-centre – Three times
- ❖ Certificate of Appreciation by ASP for “Substituting Electrolyte Solution For Identification Of Plate & Sheets in Sheet Mill”
- ❖ Certificate of Merit by ASP for “Reduction Of 5mm Guillotine Shear Blade Length in Sheet Mill”
- ❖ Certificate of Appreciation by ASP for “Using Cage Type Wooden Boxes In Place of Covered Ones in Sheet Mill”
- ❖ Certificate of Appreciation by ASP for “Twelve Projects of Plate & Sheet Mill (1984) under Quality Circles”
- ❖ Certificate of Honour by The Indian Institute of Metals, Durgapur Chapter for “Development of En-5, 2.9 mm Thick Sheets in Plate & Sheet Mill For Defence Application”