

CURRICULUM VITAE' PIPING & UTILITY DESIGNER

NILADRI BHATTACHARYYA

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CAREER OBJECTIVES

- Highly motivated and goal oriented with proven capacity to perform under pressure in the most challenging situation, coupled with the initiative and experience to adapt and pursue organizational objectives.

TECHNICAL SKILLS

- Basic & Detail Engineering of Fluid Systems & Piping.
- System design of Fluid systems viz. Compressed Air, Gas, Steam, Water & Fire Fighting Systems.
- Preparation of PFD, P&ID, layout drawing with equipment disposition, selection & sizing of equipment, piping layout.
- Piping Detail engineering of hydraulic & lubrication system.
- Familiar with National & International Design codes & Dimensional standards, viz: ANSI, ASME, API, ASTM, NFPA, British Standards, European Standards & Indian Standards.
- Preparation of Technical Specification for various packages & individual items in Turnkey, Semi-turnkey basis for procurement.
- Stress Analysis of major & critical piping.
- Obtaining clarifications from Vendors on their offers, Evaluation of offer and preparation of Ordering Specification.
- Review of Vendor drawings & documents before submission to Client/Consultants for approval.
- Internal & External coordination with clients, consultant, construction site & vendors.
- Assistance to QA/QC & Inspection Dept. during preparation of QAP and by carrying out inspection of Critical equipment.
- Adequate Knowledge on Static & Rotating Equipment pertaining to Utility & Auxiliary systems.

CARRIER HIGHLIGHTS

May, 2008 - Present Shapoorji Pallonji & Co. Pvt. Ltd., EPC Division – MMBU, Pune

Position Manager – Mechanical Design

Major Project Handled

- **RSP, OBBP and Base Blending Facilities, Cost of the Project Approx. INR 749 Cr.**

Area of work : Compressed Air System

- **BSP, 4 X 450 TPD Lime & 1 X 450 TPD Dolomite Calcinations Plant, RMP III Cost of the Project Approx. INR 232 Cr.**

Area of work : Compressed Air, Steam, Mixed Gas, CO Gas, Nitrogen, Industrial Water & Drinking Water, Hydraulic System. Gas Mixing Station (BF & Lean COG).

- **RINL, Vizag Steel Plant – 1 X 5 Stand Bloom cum Round CCM # 4 in SMS-2 complex Cost of the Project Approx. INR 224 Cr.**

Working as Lead Engineer, independently handled following systems:

Compressed Air, CO Gas, Nitrogen, Oxygen, Argon, LPG, Industrial Water, Soft Water, DM Water, Treated Waste Water & Drinking Water, Hydraulic & Grease Lubrication System, Fire Fighting System as per TAC Guideline (Hydrant system, Total CO2 Flooding system, Clean Agent System & Fire Extinguishers), Pneumatic Transportation System.

- **Guinea Bauxite Export Project, Guinea Alumina Corporation S.A. Project cost of approx. INR 1530 Cr.**

Area of work : RO Desalination Plant, Sewage Treatment Plant, Oil Water Separator, Raw Water System(Sea Water), Potable Water System, Contaminated Water System, Compressed Air System, Fire Fighting System as per NFPA, DFDS system, Diesel Transfer System.

Sept., 2003–May, 2008 Marcus Oils & Chemicals Pvt. Ltd.

US based MNC, leading manufacturer & exporter of Polyethylene Wax.

Position Sr. Engineer (Project & Maintenance)

Major Systems Handled

- Installation & Commissioning of 50000 TPA PE Wax Refining Plant.
- Successfully completing evaluation of Thermic Oil Heating System, equipment layout, piping design, Installation & commissioning.
- Review of design & detail engineering, Supervision of Fabrication, Erection, Testing (NDT) & Commissioning of 600 KL PE Oil Storage Tank based on API 620 as per CCOE Guideline.
- Review of Vendor design & detail drawing for Pressure Vessel, Heat Exchanger.
- Expansion work of the plant (Material Handling System, Screening & Bagging System).
- Implementation of plant automation system.
- Design & Detail Engineering of Wax Melter.
- Installation & Commissioning of Fire Hydrant System as per TAC Guideline.
- Operation & maintenance of the plant which consists of major systems like, Steam Boiler, N2 plant, RO Plant, Air Compressor, material handling equipment, Bagging machine etc.

Feb., 1994–Aug., 2003 Techman Consultants
Kolkata based Engineering Consultancy firm.

Position Project Engineer

Major Project Handled

- Installation & Commissioning of 50,000 TPA Polyethylene Wax Plant for Marcus Oils & Chemicals Private Limited, Haldia an US based MNC.
- Piping Detail Engineering of the Cooling Water piping & Gas piping with support (Layout & Detail), of Blast Furnace (F) upgradation Project, TISCO, Jamsedpur.
- Checking of vendor drawing, Coordination with different disciplines, Dealing with erection contractor for various activities of Scale-up Laboratory (Fume Scrubbing System) for Chembiotek International Pvt. Ltd. of The Chatterjee Group.
- Checking of Process & Utility Piping Layout, Isometric, Support drawing, prepare Piping Layout drawing in Boiler Area & Co-ordination with client, visit at site of DPP Project, Hindustan Lever Ltd., Haldia, West Bengal.
- Execution & commissioning of the entire LP Piping Package of 3 x 210 MW Bakreswar Thermal Power Station of West Bengal Power Development Corporation. Responsible for the co-ordination with client & different disciplines, planning of the entire package, monitoring of progress at site, follow up the necessary testing, site management and handling of workmen was part of the assignment.
- Carried out preparation of the General Arrangement Drawing of the OP Feed Pilot Plant at IOCL, Equipment GA Drawing, Piping Layout Drawings followed by Isometric drawing, wherever applicable, MTO list etc. The piping drawings of steam lines for IBR Clearance were also prepared for the project execution.
- Carried out the previous same activities for the Gas Lift Scheme of ONGC at Nazira, Assam.

EDUCATIONAL QUALIFICATION

Degree in Mechanical Engineering (AMIE) from The Institution of Engineers (India) in 1998
B. Sc. From The University of Calcutta in 1990
Chartered Engineer

COMPUTER SKILLS

Well conversant with MS Office, AutoCAD, Internet, CAESAR II

INDUSTRIAL TRAINING

- Industrial Training on Boiler from Thermax India Ltd., Kolkata, West Bengal.
- Training on Industrial Hydraulics from BOSCH Rexroth (India) Ltd., Ahmedabad, Gujrat

PERSONAL INFORMATION

Date of Birth : 04.07.1971

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Current CTC : 15.20 Lacks/Annum