

## **SST India's Management**

### **K M Shirolkar, Vice President - Mechanical, Mumbai office**

- BE (Mechanical) from Nagpur University, 1970
- Post-Graduate course (1 year) in Nuclear Engineering from BARC, Trombay, 1971
- Over 39+ years' of experience (as of March 2012)
  - 4 ½ years with SST
  - 35 years with Nuclear Power Corporation India Ltd. (NPCIL)
    - Last position as Chief Engineer in-charge of "Operation and Design Support" to 14 operating nuclear power stations in India
    - Spent 10 years in the Design & Engineering of 540 MWe PHWR Tarapur nuclear power plant
    - Rich experience in process design & engineering, equipment & piping layout; designed & fabricated special heat-exchangers and pumps to replace imported ones
    - Member of Safety Review Committees for NPCIL and Atomic Energy Regulatory Board

### **M. S. Randhawa, Vice President - Instrumentation & Control, Mumbai office**

- B. Sc. (Engg) in Electronics from Punjab Engineering College, 1970
- Post-Graduate course (1 year) in Nuclear Engineering from BARC, Trombay, 1971
- Over 40 ½ years' of experience (as of March 2012)
  - 3+ years with SST
  - 37 years with Nuclear Power Corporation India Ltd. (NPCIL)
    - Last position as Associate Director (Electrical & Instrumentation Procurement), for Pressurised Heavy Water Reactors (PHWR) of 220 MWe and 540 MWe capacities
    - Worked over 30 years in the design, development and indigenization of Instrumentation & Control systems for 220 MWe and 540 MWe power plants
- Life Member of Indian Nuclear Society

### **S K Kaul, Vice President – Electrical, New Delhi office**

- B Tech - Electrical, IIT Roorkee
- Over 42+ years' of experience (as of March 2012)
  - 1 ½ years with SST
  - 5 years with JK Paper Ltd. as General Manager – Engineering
  - 36 years with Ballarpur Industries Ltd (BILT) as General Manager - Engineering
- Subject matter expertise in
  - Pulp & Paper Industries
  - Responsible for planning to commissioning of Phase I of the greenfield Phoenix Pulp & Paper Plant, Thailand
  - Project Manager for BILT's ASHTI project for manufacture of extensible sack kraft paper & multi layered sack manufacturing line from planning to commissioning
  - Caustic-Soda Chlorine Plant (Membrane Cells)



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- Operation & Maintenance of High Pressure Steam Boilers, Recovery Boilers, Power Co-Generation Plants & all Utilities
- Associate Member of IEE and “IPPTA” – ASM 4282
- Published Technical article on “Cogeneration of Power” in IPPTA Sep 2002

**A.R. Subramanya, Sr. Vice President – Piping & Plant Layout Engineering, Bangalore office**

- B. E. in Mechanical Engineering, Mysore University
- M. Tech. in Mechanical Engineering, IIT Kanpur
- Post Graduate Diploma in Management, Bombay University
- 43+ years’ of experience (as of March 2012)
  - 7 ½ years with SST
  - 17 years with Tata Consulting Engineers nationwide in Engineering (Mechanical) Design and Project Management for fossil fuel/ combined cycle power plants, nuclear power stations, paper & pulp, refinery and other process plants
  - 8 years with Montreal Engineering, Mumbai and Chemical India Corp., Mumbai on refinery, atomic power projects and petrochemicals.
  - 4 years with Canadian Met-Chem Consultants, Bangalore on Iron Ore processing plant
  - 2 years with Haroon Engineering in Saudi Arabia on LPG bottling and solid waste management plants
  - 3 years in chemical and fertilizer plants
  - 2 years of teaching graduate engineering classes

**Dr. G.V. Ranjan, Managing Director, Bangalore office**

- B. Tech, Aeronautical Engineering, IIT Madras, 1972
- MS & PhD, Applied Mechanics, Stanford University, California, 1974 & 1976
- Over 35+ years’ experience (as of March 2012)
  - 15 years of Engineering & Failure Analysis services to industrial plants
  - 20+ years of engineering software and related services
- At SST, in-charge of Engineering Analyses and Software Development activities
- Honors/Publications
  - EPRI Nuclear Fuel Cladding Failure Committee (ex-member)
  - US-NRC Nuclear Containment Shell Buckling Committee (ex-member)
  - PVRC Shell and Reinforced Opening Committees (ex-member)
  - Over 25 Technical Papers in international journals
  - Technical paper based on PhD thesis adjudged the best in American bi-centennial Year 1976 by American Institute of Aeronautics and Astronautics (AIAA).
  - Co-authored Welding Research Council (WRC) Bulletin 297, used for the design of pressure vessel nozzles
- Conducted over 60 “Piping Design and Analysis” seminars and workshops worldwide since 1988, using pipe stress software CAEPIPE and/ or nuclear piping analysis software PIPESTRESS