



Panel of Experts (1/5)

HEMANT PRADHAN

Vice President (Asset Integrity)

Hemant Pradhan is a Mechanical Engineer with over 34 years of experience in design, detailed engineering services, projects, inspection, mechanical construction, procurement, estimation etc. for fertilizer and petrochemical plants and projects.

His major experience has been in design, detailed engineering, troubleshooting of fertilizer plants like ammonia, urea, DAP, ASP, AS, phosphoric acid, sulphuric acid etc.; petrochemical plants like caprolactam, melamine, nylon-6, and utility/co-generation/ boiler, water treatment plants. He is also involved in engineering jobs for installing new projects, debottlenecking, capacity augmentation, plant modifications, addition of new sections; troubleshooting; estimation; procurement; inspection; expediting for more than 30 years.

He has participated in design conferences at an international and national level with process licensors/ detail engineering firms like Enco, Switzerland; INCRO SA, Spain; Tunisian Joint Venture, Tunisia, Schmidt & Clemens, Germany Davy Powergas, Uhde, Linde, at India.

He has vast experience in executing troubleshooting jobs in major plant equipment like a primary reformer, air pre-heaters, waste heat boilers, various heat exchangers, isothermal shift reactor, urea reactor, high-pressure decomposer, high-pressure plunger pumps & their discharge piping, contact furnace, decomposer, sulfur combustion furnace boiler, etc. Hemant Pradhan has headed various departments like inspection, mechanical construction, workshop and phosphoric acid and fiber unit plants. He also has experience in dealing with statutory authorities and third party inspection agencies.

Panel of Experts (2/5)

Dr. P. B. Joshi

Special Advisor (Metallurgy)

Dr. P B Joshi has been a Professor and former Head of the Department of Metallurgical and Materials Engineering, Faculty of Technology and Engineering, Maharaja Sayajirao University of Baroda, Vadodara. He is a graduate in Metallurgical Engineering from M. S. University of Baroda and M. Tech.in Metallurgical Engineering with specialization Materials Technology from Indian Institute of Technology, IIT, Powai, Mumbai. Dr. Joshi has been awarded Ph.D. degree by Maharaja Sayajirao University of Baroda, Vadodara for his research contribution in the field of Powder Metallurgically produced Electrical Contact Materials. Dr Joshi is having 5 years of industrial experience and more than 30 years of teaching and research experience in the field of metallurgy. He has more than 60 research publications in the journals of International & National repute He has authored a book entitled "Materials for Electrical and Electronic Contacts" published from the USA in the year 2004. He holds an Indian patent on the development of a process for silver-metal oxide electrical contacts. He has delivered more than 80 invited talks at various academic and industrial forums. Dr. Joshi is a Life member of various professional organizations such as Indian Institute of Metals, Powder Metallurgy Association of India, Indian Society of Non-destructive Testing, Metallography Society of India, Alumni Association of IIT Mumbai, etc.

Panel of Experts (3/5)

J. N. Baad

Special Advisor (Metallurgy)

Jagdish Baad is Bachelor of Technology in Metallurgical Engineering with First Class honors from IIT, Mumbai. He is having experience of 25 years in forge shop, steel, cast iron, S.G. Iron and Non-ferrous foundries. He has reached to Sr. Management position starting from the Engineer level. He has handled turn-key projects related to Foundry Mechanization, Quality Assurance and Product management of critical castings for turbine, material handling and wear resistance applications. Some of them are first of its kind. For last 12 years running an independent consultancy, related to TQM-Product Management of Castings & Forgings and metallurgical related turn-key projects. He is well versed in kaizen, Edward Debono/Osborn techniques in creativity management and. Energy audits related to metallurgical processes. He is a Life member of various institutions such as Institute of Indian Foundry men, Indian Institute of Metals, Indian Society of Non-destructive Testing, Indian Institute of Welding, Metallography Society of India, Alumni Association of IIT Mumbai.

Panel of Experts (4/5)

Dr. Mukesh Pandya
Special Advisor (Corrosion)

Dr. Mukesh Pandya is Ex-DGM (Research) from Gujarat State Fertilizer Company (GSFC) Limited, India's premier fertilizer company. He is having a Ph.D. in corrosion from Gujarat University. He has more than 25 years of experience in corrosion evaluation, materials selection, failure investigation and online corrosion monitoring in chemical, petrochemical and fertilizer industries. He possesses in-depth knowledge on various forms of corrosion. He is having vast experience in conducting laboratory and field experiments on corrosion measurements as per national and international standards. He has been a member of National Association of Corrosion Engineers (NACE) USA, for 8 years. He has provided consultancy services to many industries in India and also successfully carried out international collaborative projects with Avesta, Sweden, Krupp VDM Germany and Cormon UK

Dr. K. Baba Pai
Special Advisor

Dr. Baba Pai is the Head of the department of Metallurgical & Materials Engineering Faculty of Technology & Engineering, Maharaja Sayajirao University. He is Ph.D. from IIT Mumbai. He is having more than 35 years of experience in Educational field. He began his career as lecturer in 1989 and became professor in the Metallurgical and Materials Engineering department since past 18 years. Under his able guidance more than 4 Students were awarded PhD. Presently three students are perusing Ph.D. Under his guidance. He has more that 90 national and international publications in reputed journals. Dr. Pai is actively involved in providing Testing and industrial consultancy assignments for many industries of Gujarat. He is life member of many institutions.

Panel of Experts (5/5)

Prakash Brahmbhatt

Special Advisor (Reliability - RBI)

Prakash Brahmbhatt is Ex-GM (Inspection Dept.) of IPCL erstwhile RIL. His area of responsibilities during his association with RIL includes inspection & maintenance from health assessment & reliability/integrity angle for LDPE, PPCP, PBR-I, PBR-II, PP-IV, LAB, EG plants. Since last 32 years he is working in the field of fabrication, maintenance welding, inspection, testing, up keeping, metallurgy/material science, corrosion, health assessment, reliability & integrity monitoring of piping & static equipment in the petrochemical process plants. Familiar with all different type API/ASME/ASTM/ASM etc. codes & standards in respect of inspection, NDT, welding & material of construction used in such plants in above areas/fields. He was appointed as an faculty on inspection & testing, metallurgy, welding in process plants in training center of IPCL/RIL-VMD. He was also a competent person for pressure vessel testing for GFA compliance.

Dr. Rajendrakumar

Special Advisor

Dr. Rajendrakumar is a renowned metallurgist of our country. He is a doctorate from world famous University of Shefild, UK. Dr. Rajendrakumar was the Director of National Metallurgical Laboratory, Jamshedpur and a former Director of Regional Research Laboratory, Bhopal. Dr. Rajendrakumar has more than 150 publications in national and international journals of repute. He has been a committee member of IBR for failure investigation. He has written three books on metallurgy.