

Innovation

Technology and Innovations developed by MDEEL

- Sulfuric Acid (Small & Medium size)
- Sulfur Burning
- Metallurgical Gases
- Oleums
 - 25%
 - 65%
- So3 (Liquid & Gaseous)
- So2 (Liquid & Gaseous)
- Single Super Phosphate
- Alum (Ferric/Non-Ferric)
- Dedusting System



Monsanto-DMCC Enviro-Tech & Engineering Ltd.

JV In 1996



A Joint Venture Company of the Monsanto India Pvt.Ltd. & the Dharamsi Morarji Chemical Co. Ltd. MDEEL is engaged in Engineering, Procurement & Construction, catering to the Fertilizer, Chemical, & Environmental Sectors in India & elsewhere, both independently & in association with Monsanto Enviro-Chem Systems inc. (MEC), USA.

Services

Process Solutions & Trouble Shooting

- Identifying Problem areas and bottlenecks carrying out applied research to simulate process design conditions.
- Solutions from concept till commissioning.

Pre Project Services

- Techno-economic studies
- Cost estimation and feasibility reporting

Turnkey/EPC projects

- Technology Supply
- Basic Engineering Package
- Detailed Engineering Package
- Procurement Construction & Commissioning
- Plant Operation Training

Erection & Commissioning

- Stores management, material issue and utilization.
- Erection of equipment, Installation of piping, Instrumentation & Electrical Start-up activities & test run Process Commissioning

Detailed Engineering, Project Management & Procurement

- Detailed Planning , Scheduling and Resources Planning for the Project
- Plot Planning , Equipment & Piping Layouts , Designing of Fabricated Items, Electrical & Process Control Systems Procurement Specifications for Package Units , Machinery,Pipe,Pipe Fittings, Valves, Instrumentation and Electrical Components.
- Procurement Activities, Inspection & Expediting, Dispatch & Delivery
- Tender Documents For Installation And Erection Work



Technology Export Development Organisation

A project of Confederation of Indian Industry (CII) & DSIR, Govt. of India

Plot No. 249 F, Sector 18, Udyog Vihar, Phase-IV
Gurgaon - 122015 (Haryana), INDIA

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Instrumentation & Control System

- Design, Detailed Engineering and Inspection
- Installation, Testing & Commissioning PLC/SCADA system

Codes and References

- MECS Design Guide
- ASME for vessels
- ASTM/ANSI
- API for storage Tank
- Units (SI/Metric & FPS)
- Indian Standards (For Civil/Structure)
- IEC & Indian Standards (For Electrical)
- ISA
- NFPA & TAC (India) for fire Protection
- IBR & ASME (For steaming equipment)

Major Domestic and Overseas Customers:

- Coromandel Fertilizers Ltd
- Nirma Ltd.
- Shaw Wallace & Company Ltd
- Gujarat State Fertilizers & Chemicals (GSFC) Limited
- Indian Rayon Corporation Ltd.
- Bokaro Steel Ltd.
- Philippine Batteries Inc.
- Hindalco, Birla Copper Unit
- Two Lions Fine Chemicals & Thermal Power Companies, China
- Murrin Murrin Nickel-Cobalt Project
- Dupont (Motiva Refinery)

Installed capacity of major services

- Tanfac Industries Ltd
- Monmeros Colombo Venezolanos
- Udaipur Phosphates & Fertilizers Ltd
- Bharat Alums & Chemical Ltd.
- PT Indo-Bharat Rayon
- Paradeep Phosphates Ltd.
- Hind Lever Chemicals Ltd
- Vidarbha Phosphates & Fertilizers Ltd
- Hind Lever Chemicals Ltd.
- Bharat Alums & Chemicals Ltd.
- Hindustan Fluoro Carbons Ltd.

Infrastructure

MDEEL employes... Technical Manpower

Strength of Engineering Design

- MDEEL is equipped with a full team for carrying out engineering for process, mechanical, piping, electrical, instrumentation, inspection & civil & structural discipline, including complete system design & engineering, procurement assistance, & erection & commissioning supervision.
- Engineers have an average of over 15 years of Industry experience & have successfully engineered & completed more than 50 assignments of Sulphuric Acid, Chemicals & Fertilizer Plants.

Major Infrastructure in Design



Financials

Year	Turnover (USD)	Exports (USD)	R & D Expenditure (USD)

Export Countries

Africa	South America	Asia Pacific
▪ Zambia	▪ Argentina	▪ Taiwan
▪ Congo	▪ Chile	▪ Indonesia
▪ Nigeria	▪ Colombia	▪ Korea
▪ Botswana	▪ Peru	▪ Australia
▪ Tunisia		
▪ Morocco		
▪ Egypt		

Technology Arrangements

- Joint Venture
- Marketing

