

NUBERG EPC

Making Ideas Happen

ENGINEERING | PROCUREMENT | CONSTRUCTION | PROJECT MANAGEMENT



www.nubergepc.com



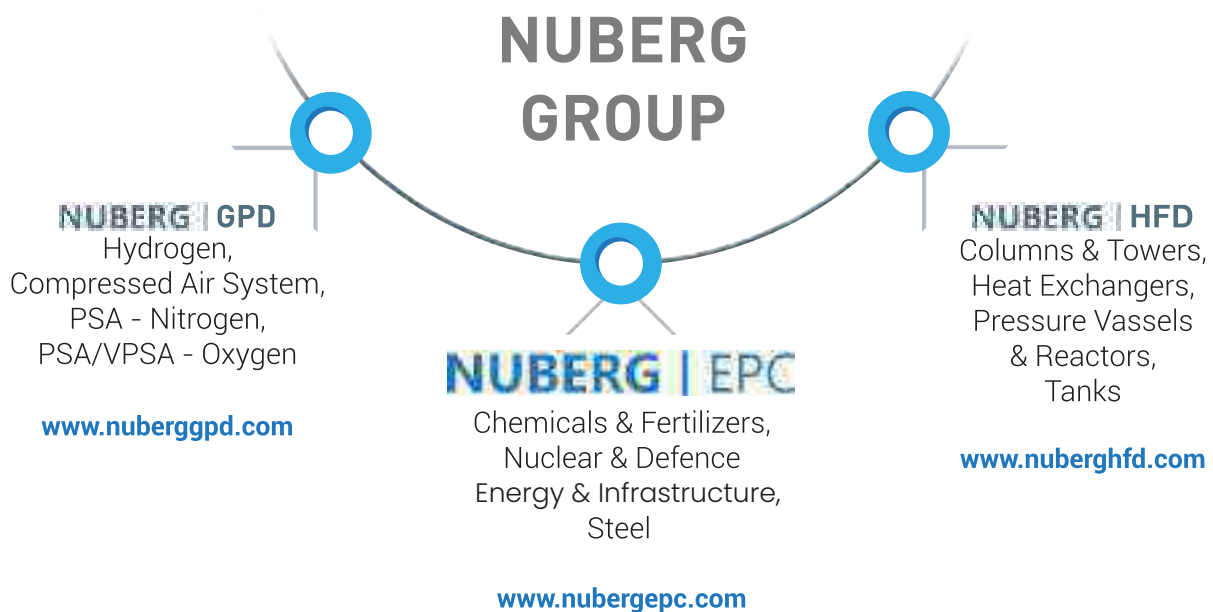
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NUBERG | EPC

Nuberg EPC is a global EPC and turnkey project management company. We offer single point responsibility solutions and services for engineering and construction of industrial plants, from concept to commissioning. Nuberg provides turnkey project solutions with basic engineering and process know-how either from its own intellectual property or licensed from global technology suppliers.

As one of the fastest growing EPC companies in chlor alkali / caustic soda, hydrogen peroxide, sulfuric acid and calcium chloride, we serve in the chemicals & fertilizers, energy & Infrastructure steel and nuclear & defense industries worldwide. Nuberg has delivered over 65+ turnkey projects across 32+ Countries in past 28 years. Our solutions, technology & engineering services for integrated management and development of plants are known to projects on-time, within budget and with the best-in-class quality.



PROFILE

INFRASTRUCTURE CAPABILITIES

Corporate Office in Noida, India

- Well structure office set up spread over 40000 sq. feet
- 460+ Qualified engineers and 400000 available engineers manpowers resources

Engineering Set-up

- Extensive experience and in-house set-up for FEED, Basic & Details Engineering
- Latest Tools & Software: PIRS, AUTOCAD, HTRI, PRIMAVERA, PV Elite, ISOMAC, ProSteel, STAAD.Pro
- Plant 3D modeling through PDMS and Solidworks

In-house manufacturing

- 115000 sqm. state-of-art heavy fabrication facility
- Cold rolling capacity of 100 mm and handing capacity of 150 ton
- Certifications: ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
- ASME, U, U2, R, Indian Boiler Regulation (IBR) accreditation

Construction Team

- Construction team of 200+ professionals and approved contractors with global experience
- Proven track record of delivering projects with international quality and standards
- Experience of working with international PMCs

Nuberg Technology & Innovation Centre

- Developing innovative and cost-effective technologies for specialty chemicals industry.





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Technology & Engineering Services

Process Design & Technology

- Feasibility Study
- Product & Technology Development
- Process Know-how & Licensing
- Basic Engineering

Front End Engineering Design (FEED)

Detail Engineering

- Civil & Structural Engineering
- Piping & Static Equipment
- Electrical & Instrumentation

Project Management Consultancy (PMC)

Procurement

Construction Management

Commissioning Services

Operation & Maintenance Services



In-House Heavy Fabrication

Columns & Towers

Pressure Vessels

Reactors

Heat Exchangers

Primary Gas Cooler

Air Pre Heater

Waste Heat Recovery Boiler

Tanks

TECHNOLOGY ALLIANCE

Proven experience of executing projects worldwide in association with global technology partners.

WHAT WE DO

EPC & LSTK SOLUTIONS

Greenfield/LSTK Projects

EPC Projects

Plant Relocation Projects

Modernization and Capacity
Expansion Projects

Composite MEP Packages

Manufacturing of Major Equipments



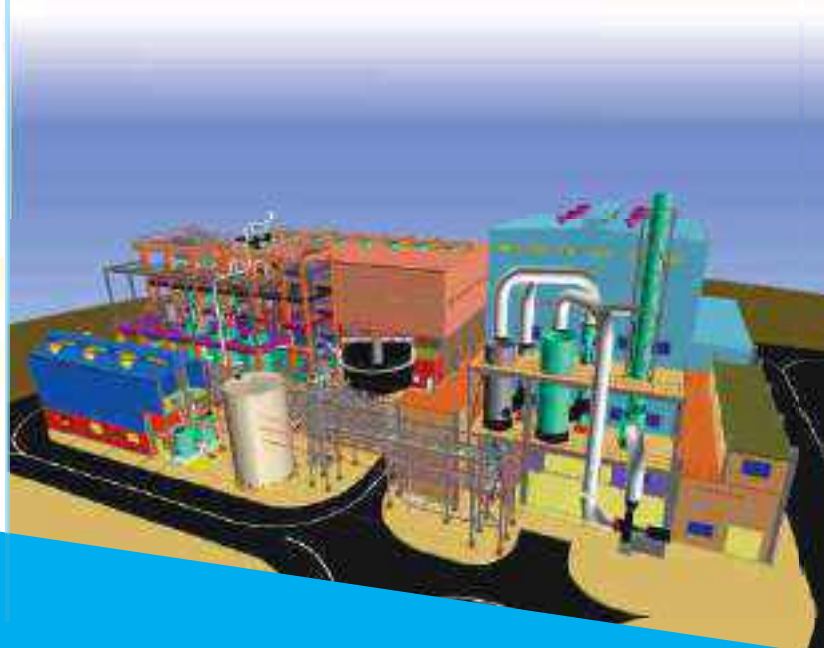
Nuberg offers fully integrated Process Engineering services to customers in the chemical & fertilizers industry as well as nuclear & defence, energy & Infrastructure and steel industries. Our specialized process department is capable and equipped with chemical engineers and highly developed softwares like HTRI, HYSYS and AutoCAD to support a project from conceptual level to detail engineering, fabrication, construction and commissioning plans. We have our own technology know-how for hydrogen peroxide and sulfuric acid. Our R&D facility, Nuberg Technology & Innovation Centre, focuses on developing innovative and cost effective technology for chemical process plants and for all other speciality chemicals we work closely with global licensors.

- Feasibility Study
- Product & Technology Development
- Process Know-how & Licensing
- Basic Engineering
 - PFD & P & ID Development
 - Heat and Material Balance (HMB)
 - Conceptual Layout
 - Hazop Study
 - Operation, Safety & Analytical Manual
 - Operation & Control Philosophy



Nuberg EPC has a proven track record of delivering comprehensive and competitive engineering solutions to process plants. The company has broad spectrum of experience from Front End Engineering & Design (FEED) to basic & detail engineering. With projects in 32+ countries, the company has a highly qualified and specialized team of 460+ engineers with 400000 available engineering man hours and is reinforced by latest technology, cutting edge processes and sophisticated software tools.

- Definition and Sizing of Main Equipment
- Development of Process and Utility Piping and Instrument Diagrams
- Development of Detailed Plot Plans
- Elaboration of the Main Piping, Instrument, Electrical and Civil Works Layouts



TECHNOLOGY & ENGINEERING SERVICES

Project Management Consultancy (PMC)

Nuberg EPC, upheld by abundant geographical and technical experience, has the ability to execute a wide range of complex EPC projects on LSTK basis in an array of regions around the globe. Nuberg plays the role of a single point of accountability for the client, integrating the activities of all contractors often from different backgrounds and culture. The company's in-house manufacturing unit, close monitoring of project activities and use of sophisticated software tools like Primavera, helps to complete the project within the targeted time, cost & quality.

ACTIVITIES

- Technical and Commercial Documentation
- Site Survey and Project Schedule
- Client Requirement Meetings
- Co-ordination with Technical Partners
- Engineering & Design Approval
- Construction & Procurement
- Inspection & Expediting
- Training & Commissioning

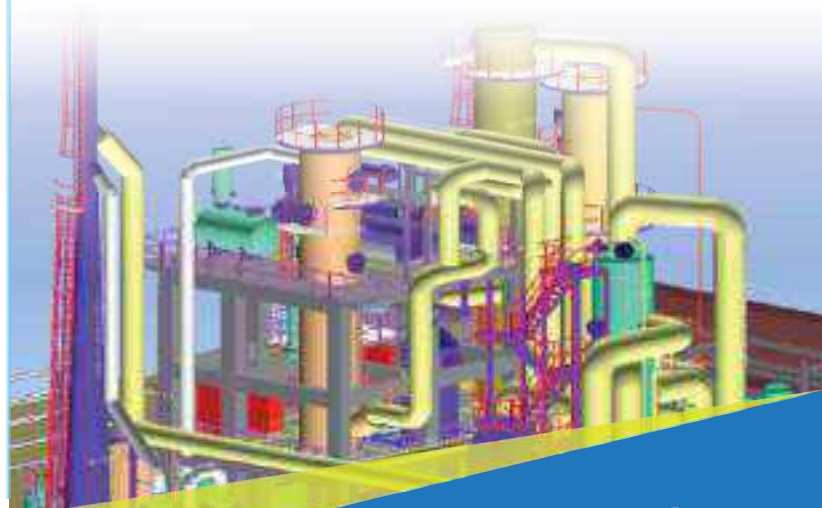


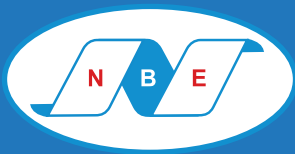
Civil & Structural

Over the years, based on the extensive experience of setting up more than 65+ Greenfield EPC plants on LSTK basis, Nuberg has developed strong expertise to provide civil & structural engineering solutions for most complex technologies and challenging locations. Backed with latest technology and software like STADD.Pro & Prosteel, our dedicated team of 450+ engineers and industry experts are capable of handling all kinds of projects across industries.

ACTIVITIES

- Structural Analysis
- 3D Modeling & Foundation Loading Diagrams
- Steel Structural General Arrangement Drawings
- Civil / Structural Material Take Off
- Structural Fabrication Drawings
- Equipment Support Structure Design
- Walkway, Ladder and Platform Design
- SCADA Integration
- Interface Development





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Piping & Static Equipment

Nuberg EPC's strength lies in its 115000 sqm state-of-the-art in-house fabrication unit of international standards with all global process and quality certificates in place. With 100 mm of cold rolling capacity & 350 tones per month handling capacity, our ASME, U, U2, S, ISO and NB R stamp accredited in-house fabrication unit specializes in manufacturing industrial equipment such as heat exchangers, columns & towers, pressure vessels & reactors and tanks.

ACTIVITIES

- Preparation of Equipment and Piping Layouts, General Drawings
- Anti-clash Arrangements
- Generation of Isometrics
- Generation of as-built Material Take off (MTO)
- Equipment Modeling

Electrical & Instrumentation

The Electrical & Instrumentation (E&I) component serves as the cornerstone of every EPC project, crucial for operational efficiency once a plant is operational. Recognizing its significance, Nuberg has forged partnerships with esteemed global industry leaders to ensure the utmost quality of E&I equipment. With a legacy spanning 28 years, Nuberg has honed the expertise necessary for seamlessly integrating sophisticated technology, engineering, and equipment within control room environments. Our commitment is evident in the delivery of fully automated plants, designed to operate continuously, 24 x 7, fortified by multi-layer contingency backup systems.

ACTIVITIES

- Block Diagrams, Wiring Schematics & Hook - up Drawings
- Detail Engineering Documents Consisting of:
 - Instrument Specifications
 - Cable Schedule
 - Instrument Location Layouts, Installation Drawings, MTO
 - Cable Routing Layouts
- Application Development for Control Systems
- Integration with Relays, Breakers, Trips and other Electrical Components
- Testing and Validation
- PLC, PAC Programming
- SCADA Integration
- Interface Development



TECHNOLOGY & ENGINEERING SERVICES

Procurement

Nuberg EPC has a potential team of specialized procurement and EPC contractors who work around the globe to maximize project profitability and value for clients' investments. We select the most competitive vendors, equitable contracts and reliable delivery systems so as to provide the highest quality product at an economical price, on time. Each LSTK based project has its own experienced team who are experts in handling complex industrial plants.

ACTIVITIES

- Vendor Development & Qualification
- Cost Estimation & Purchase
- Supplier Capability Assessment
- Transportation & Custom Clearance
- Quality Inspection & Expediting



Construction Management

With expertise in executing industrial plant construction in challenging environments, Nuberg boasts a distinct advantage. Our comprehensive approach, backed by a skilled team, interactive 3D modeling, and a proven track record, ensures timely, quality delivery. We excel in managing projects of any scale, collaborating with international PMCs, and navigating local regulatory processes.

ACTIVITIES

- Construction Project Management
- Co-ordination with Sub-contractors
- Civil Work & Underground Piping
- Mechanical, Instrument & Electrical Work.
- Safety Enforcement & Inspection
- Oversight & Analysis





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CHEMICALS

- **Chlor-Alkali**
- **Calcium Chloride**
 - Ferric Chloride
 - Silicon Tetrachloride
- Poly Aluminum Chloride
- **EDC/VCM/PVC**
- **Sulfuric Acid**
 - LABSA
 - Oleum
 - Sulfolane
- Sodium Laureth Sulfate (SLES)
 - Dicalcium Phosphate
- **Hydrogen Peroxide**
 - SMR Hydrogen
- Sodium Per Carbonate
- **Soda Ash Plant**

FERTILIZERS

- NPK
- Diammonium Phosphate
- Single Super Phosphate
- Triple Super Phosphate
 - Sulphur Bentonite
- Water Soluble Fertilizers

GREEN ENERGY

- **Green Hydrogen:** Water Electrolysis
- **FCEV:** Hydrogen Fueling Stations
- Fuel Cell Grade Hydrogen Generation
 - Green Ammonia
- **Ethanol:** 1G/1.5G/2G (Biomass Based)
- **Mothanol:** Hydrogen Fueling Stations
- **SMR (Steam Methane Reforming):**
Hydrogen

INDUSTRIES WE SERVE

Energy & Infrastructure

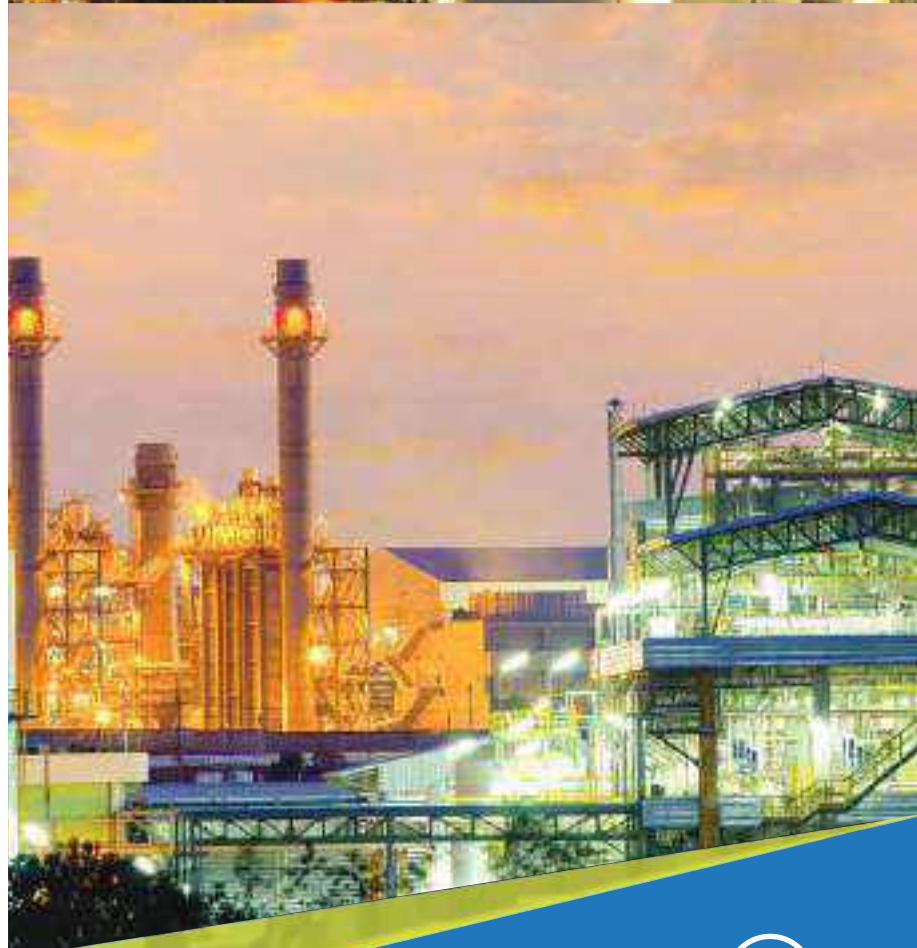
- Main/Allied Process Unit
- Sulfur Recovery Unit
- Flare Gas System
- Storage Facilities
- LPG Facilities

NUCLEAR & DEFENCE

- **Propellant Plant**
- Single Base Plant
- Double Base Plant
- Triple Base Plant
- **Ammonium Perchlorate Plant**
- **Explosives Plant**
- NC, NG, HMX RDX
- PBX, TNT, Octol
- **DEN/SAC Plant**
- **Tributyl Phosphate Plant**
- **High Energy Material Plant**

STEEL

- Gas Condensation Plant
- Ammonia Sulphate Plant
- H₂S Removal Plant
- Naphthalene Recovery Plant
- Benzol Recovery Plant
- Benzol Distillation Plant
- Benzol Rectification Plant
- Tar Distillation Plant
- Gas Holder Plant
- BOD Plant
- Pressure Sand Filter





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CHEMICALS

Chlor-Alkali

- Mundra Petrochemicals Pvt. Ltd.
Gujarat, India
- S.C.E., Ivory Coast
- Egyptian Petrochemical Company,
Egypt
- Inovyn, Sweden
- AL Ghaith Industries, UAE
- SACHLO, Saudi Arabia
- S.C.E., Morocco
- Oman Chlorine, Oman
- Lineer Kostik Soda Sanayi Anomin
Sirketi, Turkey
- SARL North Africa Chemicals, Algeria
- SARL SASKO Industry, Algeria
- Fluoder, Paraguay
- Tasnim Chemicals Complex Ltd.,
Bangladesh
- Samuda Chemicals Complex Ltd.,
Bangladesh
- Global Heavy Chemicals Ltd.,
Bangladesh
- Gulf Chlorine WLL, Qatar
- Union Chlorine LLC, UAE



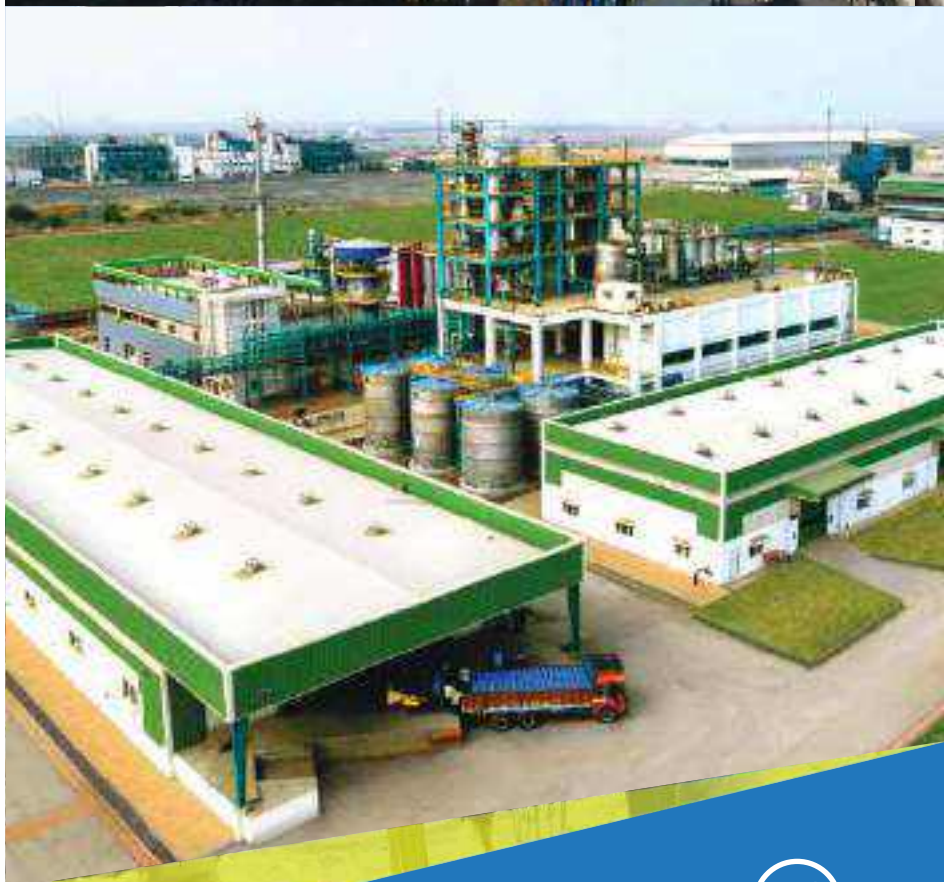
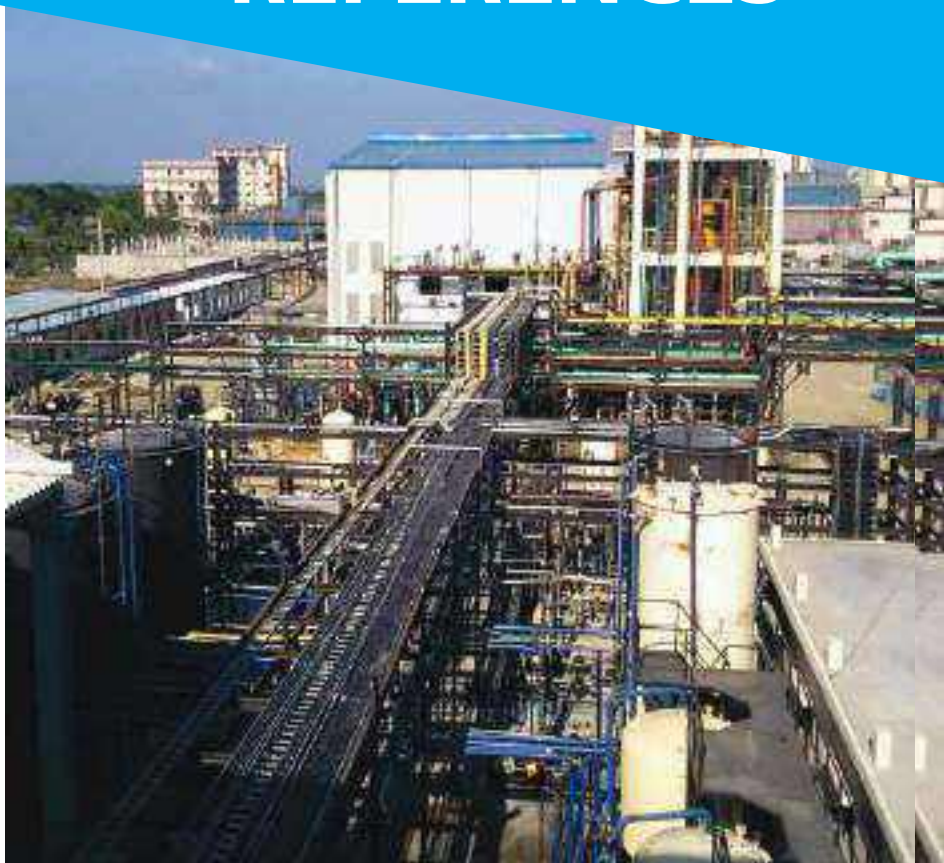
EPC & LSTK PROJECTS ' REFERENCES

Sulfuric Acid

- Spolana, Czech Republic
 - Sprea Misr, Egypt
- Awash Melkassa Chemical Factory (CIC-AMCF), Ethiopia
- International Company for Chemical Industry (ICCI), Egypt
 - AGROCHEM, Egypt
- ADDAR Chemicals Company, Saudi Arabia
- Suhail Chemical Industries LLC, Oman
 - Dostel, Turkey
- Crescent Chemicals, Bangladesh

Hydrogen Peroxide

- PT Hydrogen Peroxide, Indonesia
- Uzbekistan Hydrogen Peroxide JV LLC, Uzbekistan
- El-Nasr Co. for Intermediate Chemicals (NCIC), Egypt
- Aawash Melkasa Aluminium Sulfate Sulfuric Acid Share Co., Ethiopia
- Samuda Chemical Complex, Bangladesh
- Koruma Klor Alkali San, Vetic A.S, Turkey
- Tasnim Chemical Complex Ltd. (TCCL), Bangladesh
 - Indian Peroxide Ltd., India
- Samuda Chemical Complex (Expansion), Bangladesh
 - Indian Peroxide Ltd. (Expansion), India





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Calcium Chloride

- S.C Chimcomplex S.A Borzesti, Romania
- TCI Sanmar Chemicals, Egypt
- AL Ghaith Industries, UAE
- Oman Chlorine, Oman
- SACHLO, Saudi Arabia

Specialty Chemicals

ADDAR, Saudi Arabia

- Sulpholane Chemical Plant

ADDAR, Saudi Arabia

- Anisole Chemical Plant

EPC & LSTK PROJECTS ' REFERENCES



FERTILIZERS

**The Fertilisers And Chemicals
Travancore Limited (FACT)
Kochi, Kerala**

- NPK Plant

**Rashtriya Chemicals and Fertilizers
Limited (RCF)**

- Ammonia Wash Column at Trombay Plant
- Secondary Converter
- Tail Gas Preheater

**National Fertilizers Limited
(NFL) Panipat**

- Sulphur Bentonite Plant



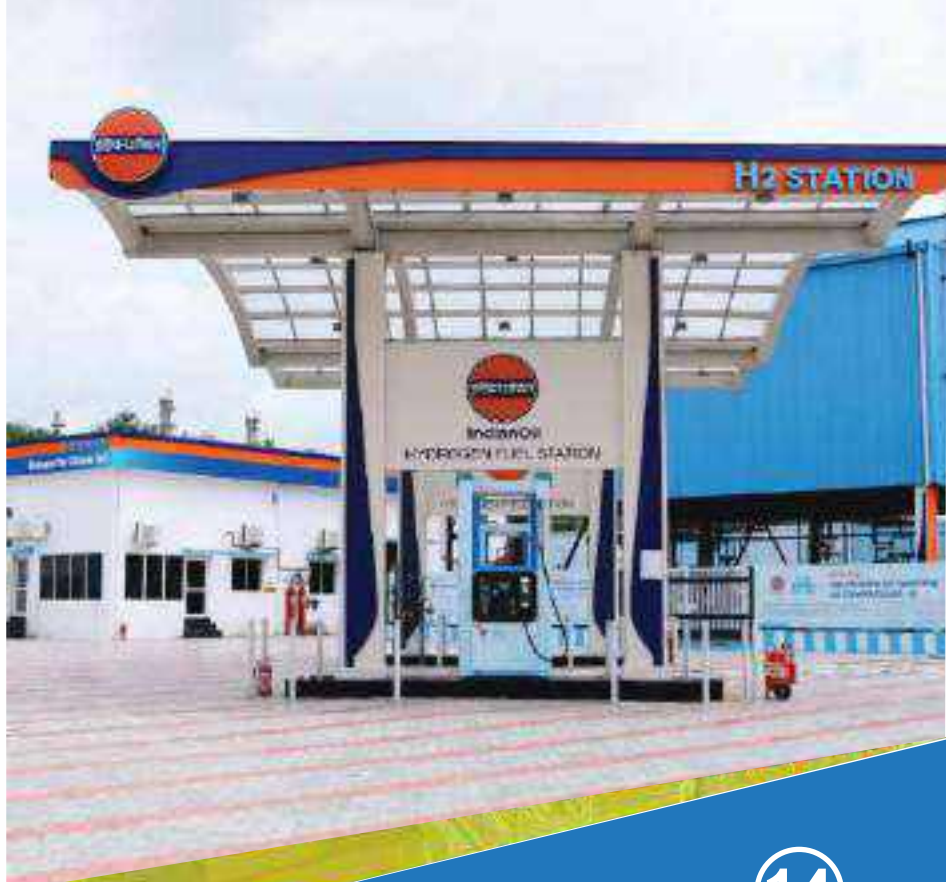
GREEN ENERGY

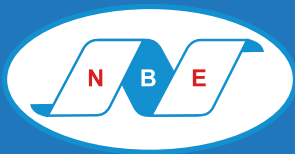
**Indian Oil Corporation Ltd. (IOCL)
Gujarat, India**

- Hydrogen Fuel Station Plant

**Indian Oil Corporation Ltd. (IOCL)
Panipat Refinery**

- Plant for Conversion of Biomass
Fuel to Ethanol





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Energy & Infrastructure

Indian Oil Corporation Ltd. (IOCL) Gujarat, India

- Sulfur Recovery Unit (SRU) Plant
- Propylene Purification Unit (PPU) Plant

Gas Authority of India Limited (GAIL), India

- CDU Column
- Gas Compression Station

Indian Oil Corporation Limited (IOCL), Paradip, India

- Oil Dispatch Terminal
- Railway Gantry Work
- Bitumen Pipeline
- Pipeline Laying and hook up of lines
- Transformer Oil Facility
- Lube Oil Plant

EPC & LSTK PROJECTS ' REFERENCES

Oil and Natural Gas Corporation (ONGC), Karaikal, India

- Gas Separators
- Gas Gathering Station
- Flare Stack Installation
- New Equalization Tank System



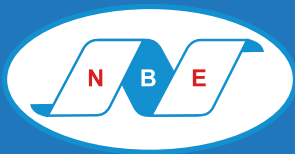
IOCL (Indian Oil Corporation Ltd.) Mumbai, India

- Design & Supply of Tank, Pump, and Pipeline
of Bitumen Plant



Hindustan Petroleum Corporation Limited (HPCL), Vizag, India

- Piping Work at Bitumen Plant



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STEEL

Rashtiya Ispat Nigam Limited (RINL), Vizag, India

- Design, Supply and Installation of Primary Gas Cooler (PGC)
- Water Treatment by Pressure Sabd Filtration System

Steel Authority of India Limited (SAIL), Durgapur, India

- Decanter Unit at COCC Area

TATA Steel Limited Kalinganagar, Odisha

- Design & Supply of Oxygen Buffer Vessels, Argon Bugger Vessels, and Pressure Vessels

EPC & LSTK PROJECTS ' REFERENCES

Mecon Limited Ranchi, India

- Design, Supply and Installation of Benzoyl Scrubber at RINL, Vizag, India



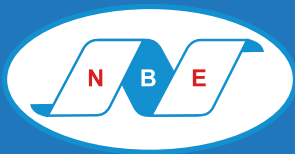
Steel Authority of India Limited (SAIL), Bakaro, India

- 150 TPD Sulphuric Acid Plant



Hindalco Industries Limited Renukoot, Uttar Pradesh

- Design & Supply of Heat Exchanger



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NUCLEAR & DEFENCE

High Explosive Factory Pune, India

- Design, Supply and Installation
of Ammonium Perchlorate Plant

TBRL, Chandigarh, India

- Design, Supply and Installation of Boric
Acid Conversion and Drying Unit Facility
at HWP Talcher, Odisha



EPC & LSTK PROJECTS ' REFERENCES

Heavy Water Board Mumbai, India

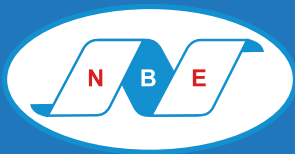
- Design, Supply and Installation of Tri Butyl Phosphate (Solvent) Production Plant



NPCIL, India

- Common Auxiliary System for Integrated Test Facility
 - Piping work in TAPS 3 & 4
- AHWR Thermal Hydraulic Test Facility & Fuel Machine Test Facility
- NPCIL Thermal Hydraulic Test Facility





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NUCLEAR & DEFENCE

Heavy Water Board Mumbai, India

- Design, Supply and Installation of Elemental Boron Plant

High Explosive Factory Pune, India

- Design, Supply and Installation of DENSAC Plant to treat TNT tetryl waste acid



EPC & LSTK PROJECTS ' REFERENCES

DRDE, India

- Upgradation of Crystallization Pilot Plant
- Effluent Treatment Package for SSSF
- Utility Package for SSSF
- Octol Plant



Heavy Water Board Talchar, Odisha

- Conversion of BF₃ to ether complex
- Boric Acid Drawing Unit





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65+ Greenfield
Projects
EXECUTED WORLDWIDE



GLOBAL PRESENCE

EPC & LSTK Projects Delivered in 32+ Countries





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HSE POLICY

Nuberg EPC is committed to provide protection against health and safety risks for its employees and all other workers involved in completion of a project. We take all stringent actions required to provide a safe environment for our workers thereby minimizing the hazards. A proper management of risk control is the only solution of a safe environment and here in Nuberg EPC we follow every aspect of risk control with integrity.

We follow a world class HSE policy and safety is a paramount attitude we foster towards every worker in our projects. Our every aspect of the projects' procedures is fully amalgamated with safety and our foremost concern for the entire project team is their healthy well being. With zero accident since its foundation in 1996, Nuberg EPC takes pride in being considered as one of the safest contractor which repositions the company as one of the leaders in the EPC Industry.

**BUILDING
GREENER
TOMOR**

HSE, QUALITY & CSR

QUALITY PROCESS

At Nuberg EPC, well defined management systems and processes are in place for core business functions like, Engineering, Procurement, Construction, Quality, Environment, Safety, Project Management, etc. Specific functional departments are responsible for developing and continually improving procedures and processes within the management systems.

The ongoing Project's Quality Assurance Plan provides the framework necessary to ensure a consistent approach to quality assurance, throughout the project's life cycle. The company maintains an effective surveillance for ongoing job products, processes and services to ensure fulfillment of the requirements in a project and to comply with the project policies, standards, and procedures. Nuberg EPC boasts about its 115000 Sqm. state-of-the-art manufacturing facility in Gujarat which follows international quality standards and provides healthy environment to its professionals.

CSR INITIATIVES

At Nuberg EPC, we are committed to realizing our company's vision for Health and Education, striving to foster a more inclusive, healthy, and educated India. Through our strategic Corporate Social Responsibility (CSR) initiatives, we actively pursue goals in Health and Education, endeavoring to establish ourselves as one of India's foremost socially responsible companies.

The CSR Policy of Nuberg EPC focuses on addressing critical social and economic needs of the underprivileged sections of the society. We adopt an approach that integrates the solutions to these problems into the strategies of the company to benefit the communities at large and create social impact.

ROW



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NUBERG EVENTS




NUBERG NEWS




CORPORATE OFFICE

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MANUFACTURING

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