



Engineers India Limited

Fully Integrated

Supply Chain Solutions

across the Hydrocarbons Value Chain





**For Key
Supply Chain
Partner**



**Expertise
of Supply Chain
Management**



**For
Concentrating
on Core Business
with
Supply Chain
Experts**



**For
Transparency,
Fairness and
Equity as tenets
of Procurement
System**



**For
Right Selection
and
Evaluation
of Vendors**



**Looking for
Services
Integrated
through
Supply Chain
on e- Platform**



Supply Chain Solutions from Concept to Commissioning

Profile

Engineers India Ltd. (EIL) is a leading global engineering consultancy and EPC company. The Company has a diverse portfolio comprising Hydrocarbon, Chemicals & Fertilizers, Mining & Metallurgy, Infrastructure, Water and Waste Management, Solar & Nuclear Power sectors.

EIL has emerged as a 'Total Solutions' engineering consultancy company providing design, engineering, procurement, construction and integrated project management services from 'Concept to Commissioning' with highest quality and safety standards. It also provides specialist services such as heat and mass transfer equipment design, environmental engineering, specialist materials and maintenance and plant operations and safety services.

EIL has successfully completed all projects, all of which are operating smoothly (in most cases at more than rated capacity), and has, hence, created an array of satisfied clients. EIL has secured many repeat

businesses from its clients which is a sign of client satisfaction, confidence and trust reposed in EIL.

Over the past five decades, EIL has executed more than 5000 projects including over 400 major projects worth USD 200 Billion in "total cost".

EIL has earned the reputation of being a veritable treasure of technical knowledge, skills and professional competence. EIL has worked with almost all process licensors and a large number of engineering/contracting companies worldwide and our engineers are well versed with international engineering codes and standards. With a workforce of over 3000 experienced employees & a variety of specialised services available under one roof, EIL offers an unique advantage to clients like none other.

**5.6 million available Technical Manhours annually
9,600 available Construction Management and Supervision Man-months annually**

GLOBAL PRESENCE

Geographical Regions	Key Countries served
Middle East	UAE Bahrain Kuwait Iran Oman Saudi Arabia Qatar Iraq
Asia / Asia Pacific	Australia Malaysia Indonesia Bangladesh Vietnam
Europe	Norway Turkey
Africa	Algeria Ghana Kenya Nigeria Angola Sudan Cameroon

TRACK RECORD

- 72 Major Refinery projects, including 10 grass root refineries,
- 9 Petrochemical complexes,
- 41 Oil and Gas Processing projects,
- 213 Offshore platforms including 40 process platforms,
- 46 Pipeline projects,
- 13 Ports, Storage & Terminals,
- 9 Fertilizer projects,
- 32 Mining and Metallurgy projects,
- 33 Infrastructure projects (airports, highways, bridges, water management, & energy-efficient intelligent buildings),
- 23 Turnkey/EPC projects.
- Infrastructure Projects
- Power / Captive Power Projects



Integrated Supply Chain Management

Supplier & Contract Enlistment & Management



Logistics, Invoicing, Reconciliation and Payment



Contracts and Purchasing



Inspection Services



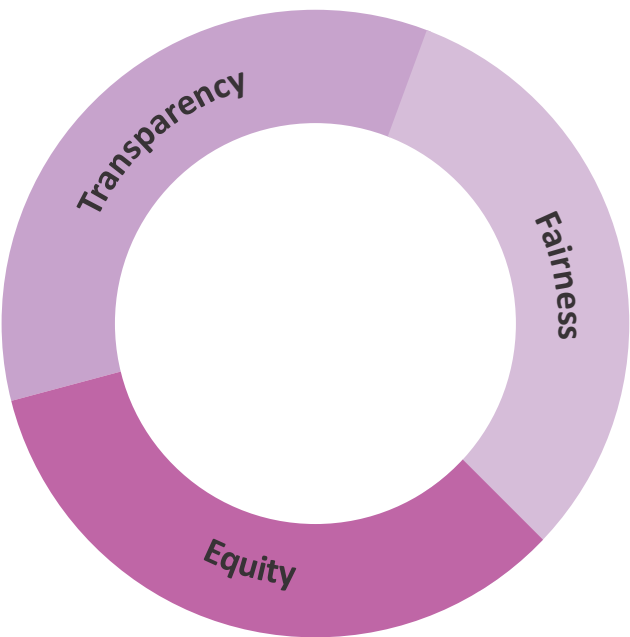
Expediting & Monitoring Services



EIL offers Integrated Supply Chain Management Services through its highly effective team of Supply Chain. Our focus to have effective supply chain management and our range of experience ensures customer satisfaction through effective supply chain services which include:

- Supplier & Contract Enlistment & Management
- Contracts & Purchase
- Inspection Services
- Expediting & Monitoring Services
- Logistics, Invoicing , Reconciliation and Payment

Procurement Services at EIL



- A transparent, fair and equitable procurement system with inbuilt checks and balances for security.
- All Procurement is carried out in consonance with Public Procurement Principles viz Transparency, Equity and Fairness.
- EIL ensures procurement of works, material and services of world class quality through competitive purchase in a fair, just & transparent manner.

The Tenets of EIL Procurement System

Connecting Globally



EIL OVERSEAS CLIENTS

MIDDLE EAST	ADNOC, ADMA OPCI, GASCO, TAKREER, ADCO, ZADCO, BOROUGE, BUNDUQ, NPCC, ADGAS, BANAGAS, BAPCO, ALBA, KNPC, EQUATE, PIC, NPC, ORPIC, SAUDI ARAMCO, SABIC
ASIA	PETRONAS, WIKA, PAU, TPAO, BCIC
AFRICA	SONATRACH, BOST, KPRL, DANGOTE, INDORAMA, SONANGOL, SUDAPET, WNPOC, HYDROMINE GLOBAL MINERALS GMBH Ltd.

INDIA

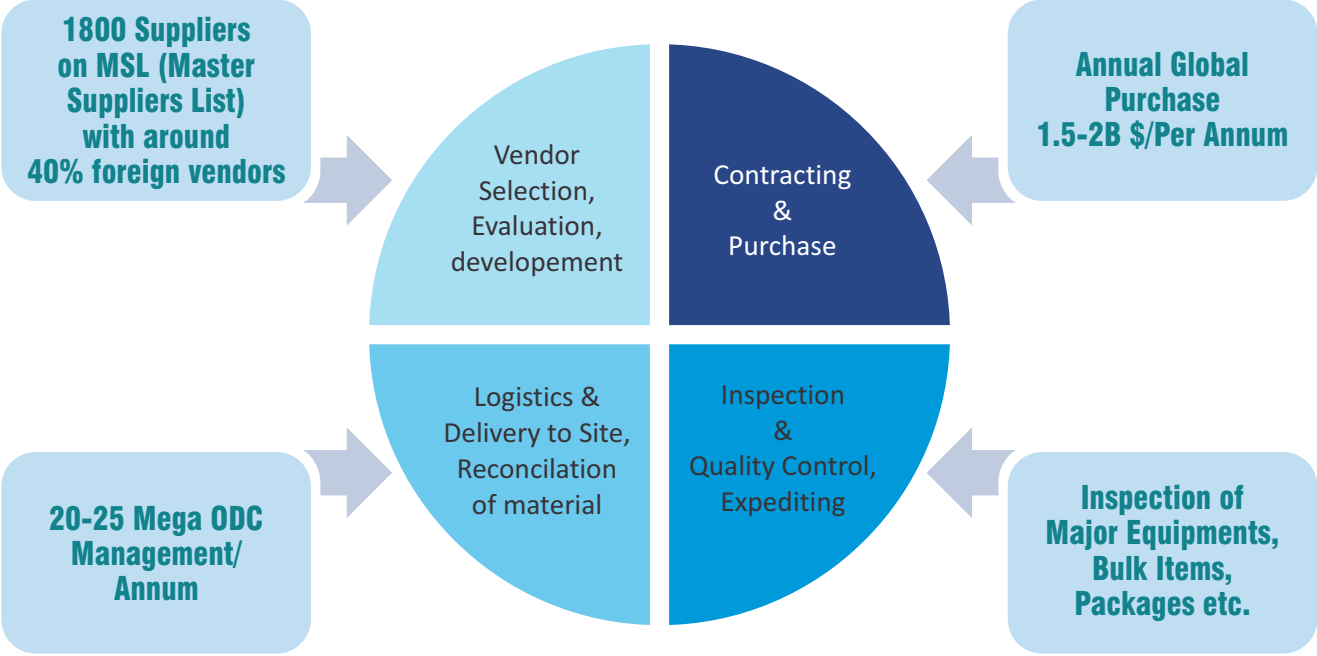


INTERNATIONAL

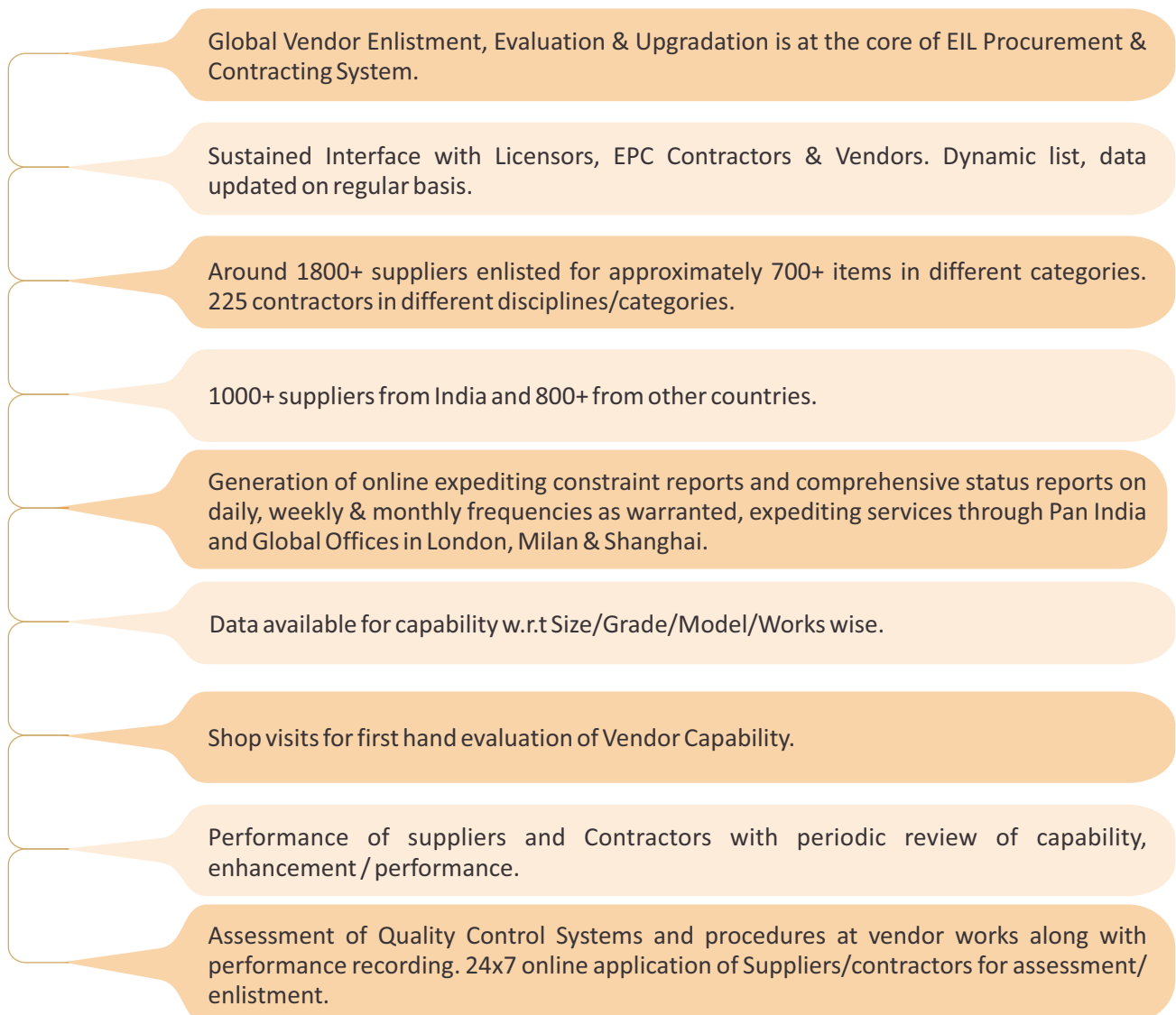


Supply Chain Services at EIL – Overview

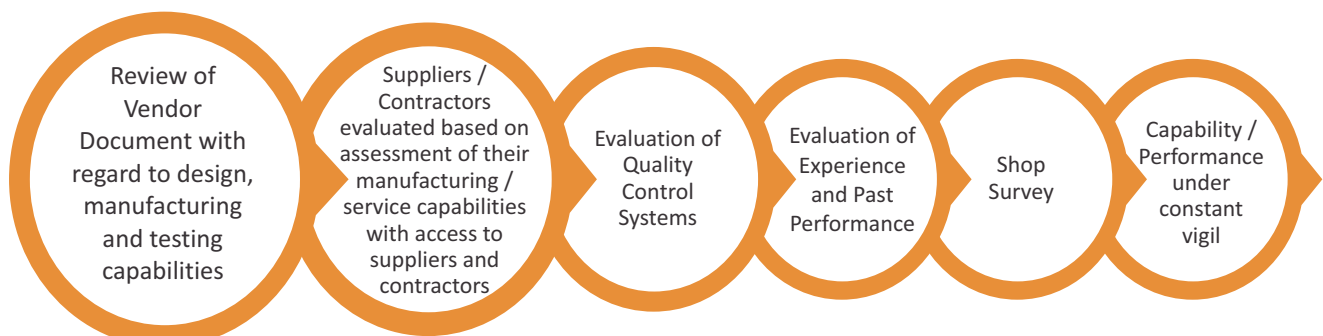
- Vendor Enlistment & Development through rigorous evaluation & selection.
- 24x7 monitoring of vendor performance, upgradation and Skill / Quality Management.
- Contracting & Purchasing on a global platform.
- Global Inspection & Expediting through pan India & Global Offices in London, Milan & Shanghai.
- Shipping & Logistics for material dispatch, Transportation to site, along with warehousing receipt & control.
- Contracts & Purchase Experience of projects with international funding from World Bank, Asian Development Bank etc.
- Expertise in Commercial & Contractual Laws, Insurance, Finance and Taxation.
- Procurement complies to all Government guidelines etc.



Supplier/ Contractor Enlistment, Evaluation and Selection



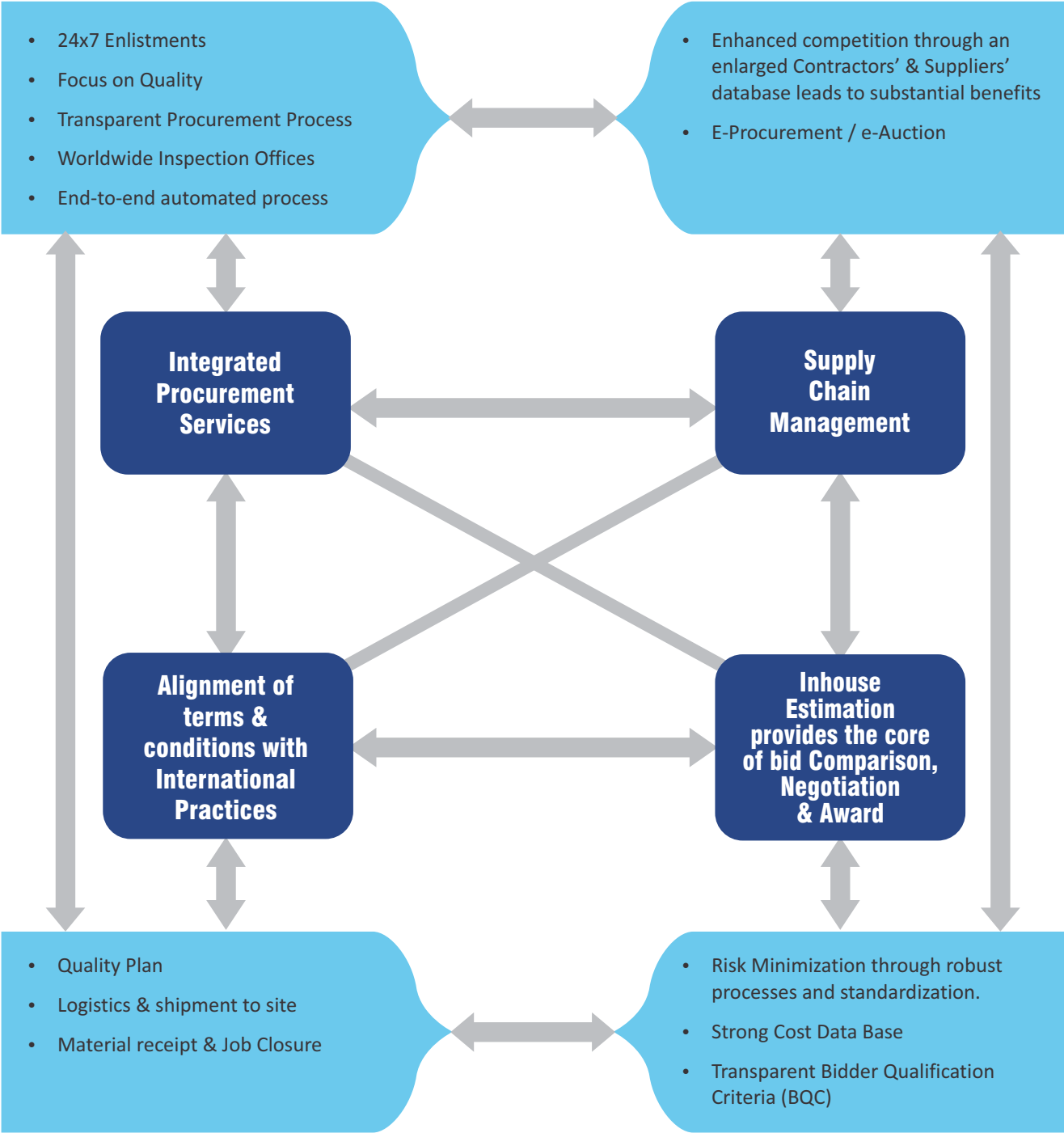
EIL renders services from Concept to Commissioning



Delivering Excellence for Competitive advantage to Owners

Inhouse proficient resource pool geared up to provide Competitive Advantage in Supply Chain Management for projects for all scale and sizes through a proficient team of category specialists aimed to help organizations, optimize their spend base and achieve sustainable results, that improves the bottom lines.

- All Purchasing and Contracting facilitated through e-procurement. Reverse Auction is carried out as warranted.
- All enquires/ RFP's for Procurement of Goods, Services and Works, Purchase Orders/ Contracts are hoisted on e-platform for open access.
- Performance monitoring and real time assessment.



Contract & Purchase Services



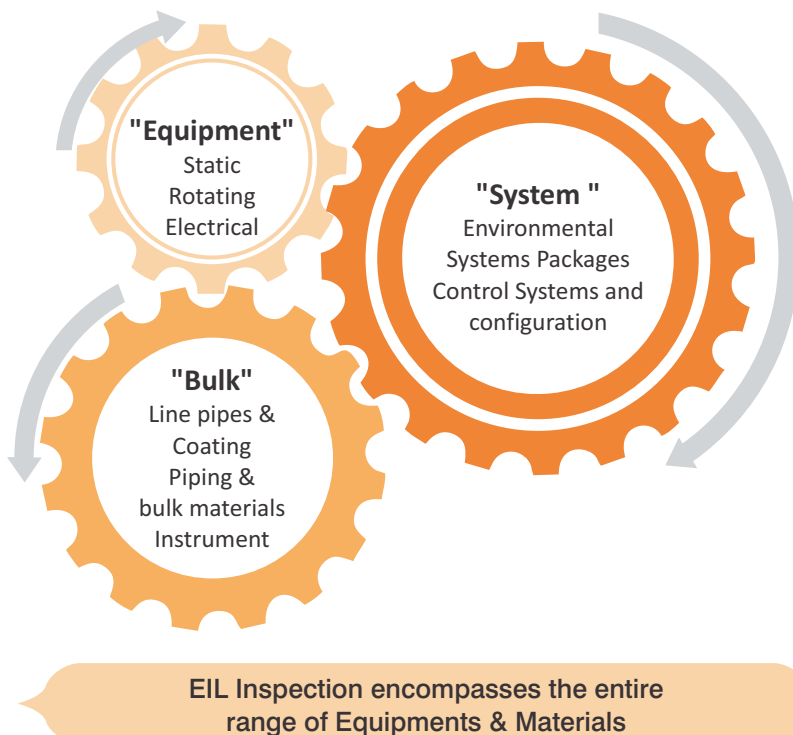
"Principles"

- Maintaining secrecy and highest level of e-procurement controls.
- Provide Risk Mitigation through sustained and concerted vendor-contractor engagement.
- Facilitate Global Vendors, EPC Contractors shortlisting through well defined "Bidder – Qualification & Selection Criteria.

"Objectives"

- EIL manages contracts & collaborates with all clients to strengthen operational, contractual, and regulatory compliance pre & post contract award.
- Ensures a transparent system for fast track Global Procurement & Contracting.
- On account of inhouse estimation strengths, provides a platform for transparent negotiations for Capex Savings for Owners.

Inspection Services



"Attributes"

- EIL's Inspection Department provides specialized inspection services through its Regional Procurement Offices (RPOs), Pan India and through Inspection offices London, Milan & Shanghai.
- EIL's inspection services aim at ensuring specified quality and specification adherence by vendors.
- A multidisciplinary team of engineers bring in experience, professional judgment & compliance to codes / specification/practices.
- Inspection engineers are qualified in the field of NDT, ASNT Level III in UT and RT, and Level II in RT/UT/MPT/ LPT/VT including TOFD & PAUT.
- Inspection engineers are proficient with national / international codes / standards like ASME / NACE/ BIS (Bureau of Indian Standards) / API & GIS etc with specialization in the field of Non-destructive testing (NDT) level-II/level-III.

"Strength"

- Inspection experience covers all type of equipment & Materials.
- Inspection experience of over seven million man hours over a period of 50 years across India & abroad.
- Standard Inspection & Test Plans (ITPs) covering all type of equipment are developed in house which form an intrinsic part of all contracts/PO's for ensuring quality.

Fabricated Equipments



- Critical Reactors, High Pressure & Cryogenic Vessels, Columns, Reformers, Horton Spheres, Storage Tanks, Mounded Bullets, Multilayer Vessels, Air Cooled Heat Exchangers, Reactor –Regenerator Package, Etc
- Materials Of Construction CS, NACE, HIC Resistant, AS, SS,DSS, SDSS,INCOLOY, MONEL, Cupro Nickel, Brass, Cladded, Rubber lined, glass lined etc.

Piping and Bulk Materials



Flanges, Valves, Fittings, Fasteners, Gaskets, Spring Supports, etc. Surveillance Inspection of Line pipe at various pipe mills and coating plant (PE , coal tar as well as concrete coating) of API line pipes of grade X-60/65/70

Line Pipe and Coating



Rotating Equipments



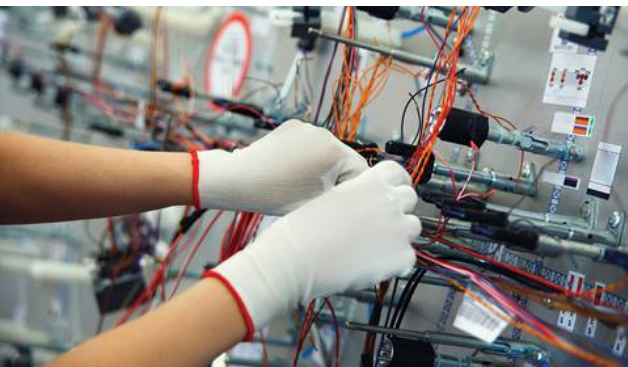
Rotating Equipments such as

- Reciprocating / Centrifugal Compressors
- Blowers
- Reciprocating / Centrifugal Pumps,
- Steam /Gas/ Dual Fuel Turbines,
- Diesel/Petrol/Gas Engines,
- Generating Sets.

Instrumentation, Electrical & Telecom



- DCS, PLC, Analysers
- HV / MV Switchgear
- SCADA, CCTV systems
- Substation equipments Motors, Alternators, Transformers



Shipping & Logistics

EIL's Shipping is the logistics wing of the company & plays a significant role in successful completion of the Projects. It is a one stop shop for all logistics solutions for each Project.



Key Activities

- Scope development for shipping and logistic bid documents, evaluation & award.
- Co-ordination with the Client and Customs House for registering various concessional duty schemes applicable for Import shipments.
- Arrange shipping space by liaising with Transchart (Ministry of Shipping) for all import consignments through Sea by optimizing the freight economics.
- Air freighting to meet Project exigencies.
- Customs Clearance activities and Expediting of Critical Shipments.
- Conducting Route surveys for ODC movement and deciding on the best mode (Road or Multimodal) based on geographic location of each Project.
- Arranging suitable agency for Site Material Handling services.
- Rendering assistance in obtaining suitable Marine Insurance coverage.
- Large data base of SPV (Special Purpose Vehicle)



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**ENGINEERS INDIA LIMITED**

(A Govt. of India Undertaking)

Website: www.engineersindia.com

Delivering Excellence through People