



INDUS CHEM
— PROJECTS —

**PHARMA, HERBAL, API,
FOOD, BIO, CHEMICAL
CONSULTING & PROJECT
SERVICES AND BEYOND**

YOUR TRUSTED PARTNER FOR ENGINEERING PROJECTS

We have worked in pharma, Herbal, food, API and chemical industries. We are delivering turnkey consultancy services to the pharma, Herbal, API and chemical industries. We design facilities in compliance with USFDA, WHO and GMP.

ABOUT US

Our Vision:

To be a trusted global partner in turnkey project solutions, delivering innovative, sustainable, and performance-proven engineering excellence that enables our clients to achieve long-term growth and operational success.

Creating values with smarter solutions- experience matters



Smarter solutions-experience matters: At Indus Chem Projects, we create value by combining intelligent engineering with decades of hands-on industry experience. Our smarter solutions are designed to optimize performance, reduce operational risk, and deliver long-term reliability. With over 28 years of proven expertise, we understand real-world challenges and translate them into efficient, sustainable outcomes.



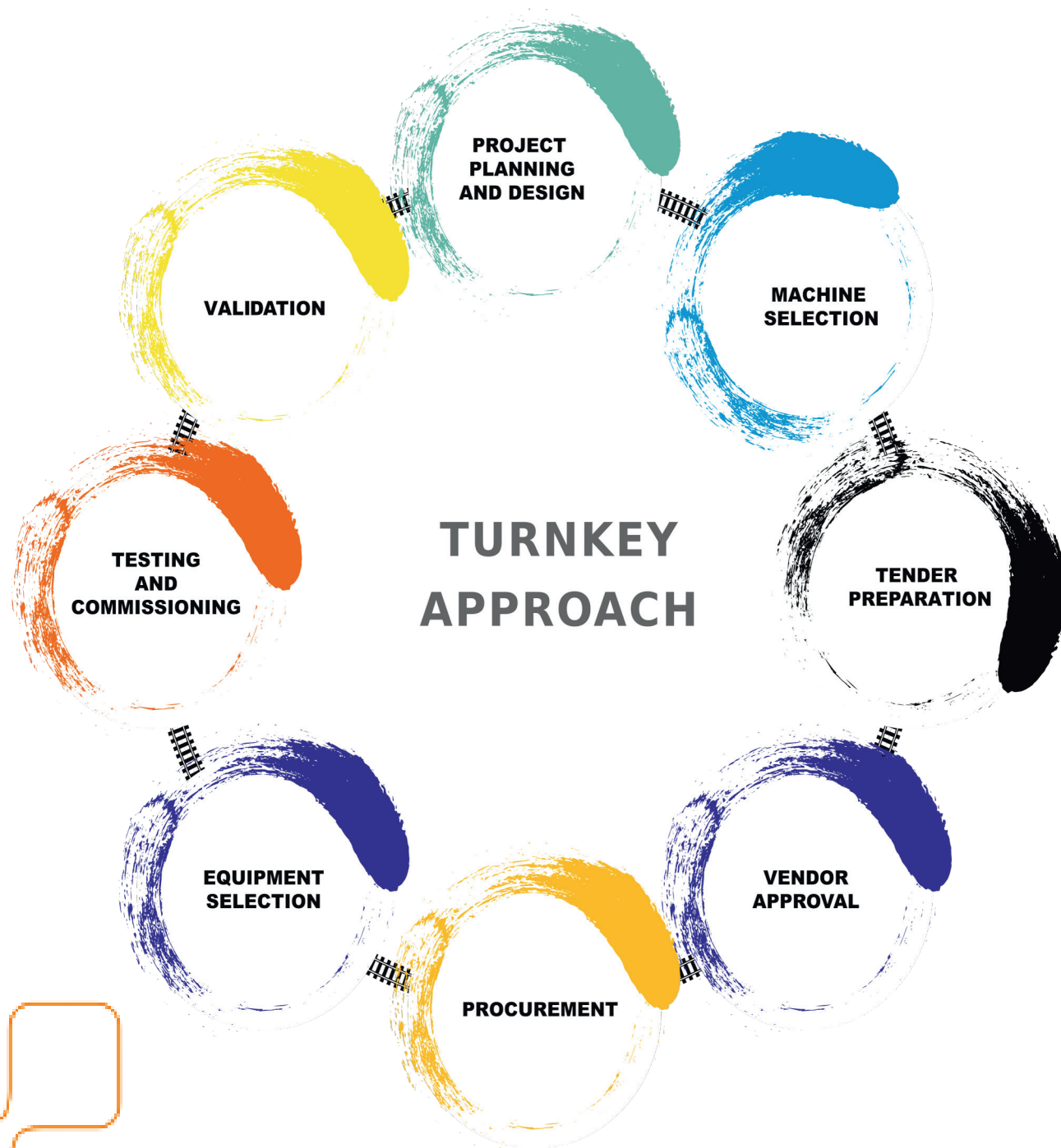
Turnkey Solutions

Indus Chem Projects delivers comprehensive turnkey solutions that cover every stage of a project—from concept design and detailed engineering to procurement, fabrication, installation, commissioning, and performance validation. Our integrated approach ensures seamless execution, reduced timelines, and single-point responsibility.

Backed by over 28 years of industry experience, we provide customized, reliable, and cost-effective solutions across herbal extraction, nutraceuticals, pharmaceuticals, food processing, dairy, APIs, chemical processing, and effluent treatment industries. With a strong focus on proven performance prior to purchase, we ensure operational excellence, consistency, and long-term value for our clients.

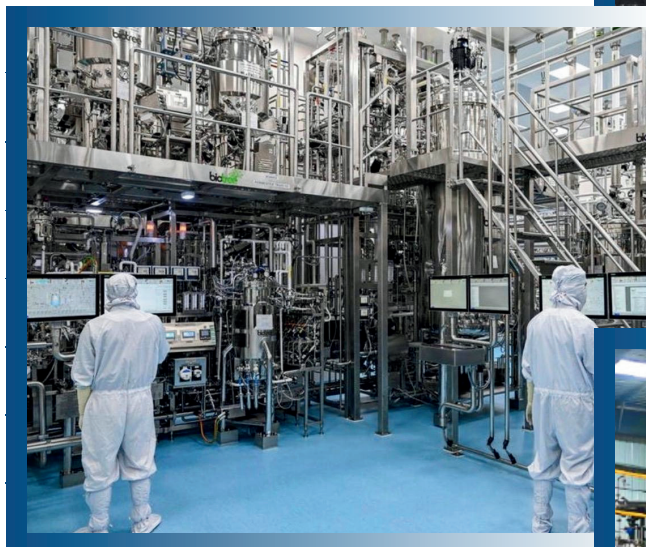
Why work with us ?

- 28+ Years of Proven Experience: Deep industry expertise across process and manufacturing sectors.
- End-to-End Turnkey Capability: Single-point responsibility from concept and engineering to commissioning and validation.
- Proven Performance Before Purchase: Solutions validated for performance, reliability, and compliance—minimizing risk.
- Customized & Cost-Effective Solutions: Designs tailored to your process, capacity, and budget requirements.
- Innovation with Practical Execution: Smarter engineering that balances advanced technology with real-world operability.
- Reliability, Quality & Timely Delivery: Strong project management ensuring precision, performance, and on-time completion.
- Long-Term Partnership Approach: We focus on sustainable value creation and lasting client relationships.



CORE COMPETENCIES

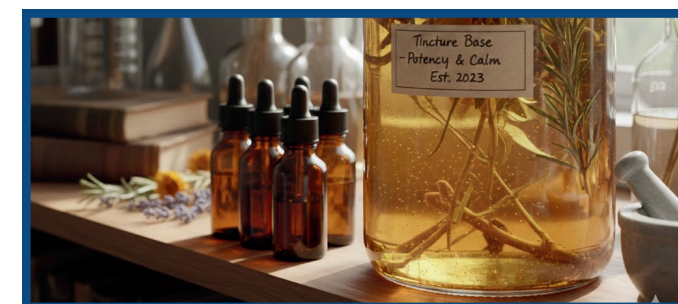
Every segment brings its own set of challenges and overcoming these challenges over the years has resulted in considerable knowledge and development of tools to help us derive metrics to ensure reduced exposure to unexpected and unforeseen challenges that lead to increase in the project cost and timelines.



CORE COMPETENCIES

- End-to-end turnkey project execution, covering concept development, detailed design, engineering, installation, commissioning, and validation
- Process and plant engineering expertise across pharmaceuticals, herbal extraction, nutraceuticals, APIs, food, dairy, chemical, and biotech industries
- Design and engineering of regulatory-compliant facilities in accordance with WHO, GMP, USFDA, MHRA, TGA, ANVISA, and Schedule M standards
- Delivery of customized, scalable, and cost-effective solutions aligned with client-specific operational and regulatory requirements
- Performance validation before purchase to minimize technical, operational, and commercial risks
- Robust project design and management capabilities with a deep understanding at both micro and macro levels
- Strong project management practices ensure quality, safety, regulatory compliance, and on-time delivery
- Focus on sustainable, energy-efficient, and future-ready process solutions
- Comprehensive after-sales support, process optimization, and full lifecycle management

Herbal
extraction



Pharmaceutical



Chemical
Plants



OUR SERVICES

- Pharmaceutical Plant layout designing as per regulatory norms of USFDA, MHRA, TGA, WHO GMP, cGMP, Schedule-M.
- Man & material flow drawings.
- Machine Placement drawing
- Site plan with indication of proposed pharmaceutical plant, expansion plan, utility block, administration block etc.

PLANT LAYOUT DESIGN

- Architectural & Structural drawings of plant building.
- Preparation of Bill of quantity(BOQ) & estimate
- Specifications for floor, wall & ceilings in plant.
- Specifications for clean room partition panels
- Preparation of tender documents, call of tenders, tender evaluation, selection of vendors

CIVIL DESIGN

- Design Engineering of complete electrical distribution in plant.
- Drawing & designing of high tension yard (HT yard)
- Single line diagram (SLD) of electrical panels, earthing, Cable specification, cable tray layout.
- Prepare specification for motors, clean room light fittings, cables (LV & HV) panels, push button station, socket outlets, substation equipments.
- Prepare drawings for transformers, DG sets, MCC,PCC, LDBs, motors, cables, VFDs, UPS etc.
- Preparation of electrical tender documents, call of tenders, Tender evaluation.

ELECTRICAL ENGINEERING

UTILITY DESIGN

- Selection of suitable utilities for plant
- Preparation of P&ID for purified water generation & distribution system, compressed air system, Vacuum system, GAS system, CIP & SIP system
- BOQ generation & Quotation procurement of various utilities like Purified water system, WFI system, Central Vacuum system, Dust Extraction system, Compressed Air System, Gas System, CIP System, SIP System.
- Checking & approving of working drawing of vendor / contractor
- Hydraulic engineering – pump and piping

HVAC

- HVAC single line air flow diagrams.
- AHU piping & single line ducting layout drawings with proposed location of HVAC equipments.
- AHU grouping, AHU filtration level drawings, Room classification, pressure zoning.
- Design qualification (DQ)
- Preparation of Bill of quantity(BOQ) & estimate
- Preparation of HVAC tender documents, call of tenders, Tender evaluation.
- General Arrangement (GA) drawings
- Preparation of RCP (Reflected ceiling plan)
- HVAC & electrical coordination drawing.

CLEANROOM DESIGN

- Designing of clean room from ISO Class 1 to ISO Class 9 (FS209E Class 1 to Class 100,000)
- Designing of modular wall partition, walk able/non walk able ceiling, Doors, windows, clean room light fittings.
- Preparation of specification for clean room modular partition, Bill of quantity(BOQ),tender documents.
- Call of tender, tender evaluation, selection of vendor.

- Designing of safety plans required for plant safety, product safety, personal safety, spill / dust contaminants measures, gaseous contaminants measure, static electric discharge etc.
- Preparation of design philosophy for fire/ smoke detection and fire protection system.
- Designing for fire fighting systems & fire water tank, hydrants system & water sprinkler system.

PLANT SAFETY ENGINEERING

- Plant productivity based machinery selection
- Preparation of User requirement specification (URS) of machinery, lab instruments & utilities
- Preparation of tender documents, call of quotation, selection of suitable machinery & vendor

CAPACITY DESIGN & MACHINERY SELECTION

- Identification of effluent (solid/liquid) likely to be generated.
- Designing of complete effluent management system like preliminary storage tank, decontamination, pumping of neutralized effluent to main stream of ETP plant etc.
- Concept & detailed engineering for handling of exhaust air through Scrubbers/incinerators.
- Liquid/solid waste disposal treatment & handling methodology.
- We provide specification for machinery required for controlling air & noise pollution

ENVIRONMENTAL ENGINEERING

- We provide elaborative study report of pharmaceutical project which includes following contents:
 - A: Executive summary
 - B: Product description
 - C: Plant technical details
 - D: Market Analysis
 - E: Financial analysis

FEASIBILITY STUDY AND REPORT

- Suggestion of addition alteration work in existing plant building to make it compliant with cGMP requirement.
- Preparation of plant documentation like SOP, site master file, validation documentation.

cGMP COMPLIANCE

TURNKEY SERVICES

We provide complete end to end services for pharmaceutical projects. Starting from the conceptualization till the project hand-over, almost all key areas are under our scope of services.

PLANT LAYOUT DESIGN

CIVIL DESIGN

HVAC

ELECTRICAL ENGINEERING

UTILITY DESIGN

CAPACITY DESIGN & MACHINERY SELECTION

CLEANROOM DESIGN

PLANT SAFETY ENGINEERING

ENVIRONMENTAL ENGINEERING

cGMP COMPLIANCE

FEASIBILITY STUDY REPORTS



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