

Manufacturer:
Fine Chemicals and Pharma Intermediates



About Us

- [Jay Finechem Private Limited](#) (previously Jay Chemicals) is a manufacturer of API Intermediates and Fine Chemicals catering to various industries like Pharma, Electronics, Specialty Chemicals, etc
- [Punagri Organics and Lifesciences Private Limited](#) is a sister concern to Jay Finechem, dedicated to manufacturing Pharma Intermediates & APIs

Both [Jay](#) & [Punagri](#) are wholly owned and managed by the Dama family.



Amrut Dama | CEO
IIT Bombay,
Aeronautical Engg



Yogesh Dama | Director
University South Florida,
Chemical Engg



Shruti Dama | Director
University Southern California,
Industrial Engg



Naresh Dama | Partner

Timeline

First Factory Setup
under
Jay Finechem

Contract Research, Custom
Synthesis & Contract
Manufacturing started

Jay started
manufacturing Pharma
Intermediates

New Pharma Setup at
Vapi commences
Production

1989

2000

2010

2025



Manufacturing Sites



Jay Finechem
GIDC, Vapi
(3 Production Lines)



Punagri Organics
GIDC, Vapi
(6 Production Lines)



Punagri Organics
GIDC, Dahej
(Site for Future Expansion)



Of the total employee strength, 15% are R&D & QA/QC Scientists and Engineers



of Experience backed by strong technical team from Premier Institutes



Of the products developed, many were without CAS number

Our Portfolio



Pharma Intermediates



Pigment Intermediates



Other Fine & Specialty Chemicals

- Diagnostic
- Cosmetics
- Plastics
- Electronics

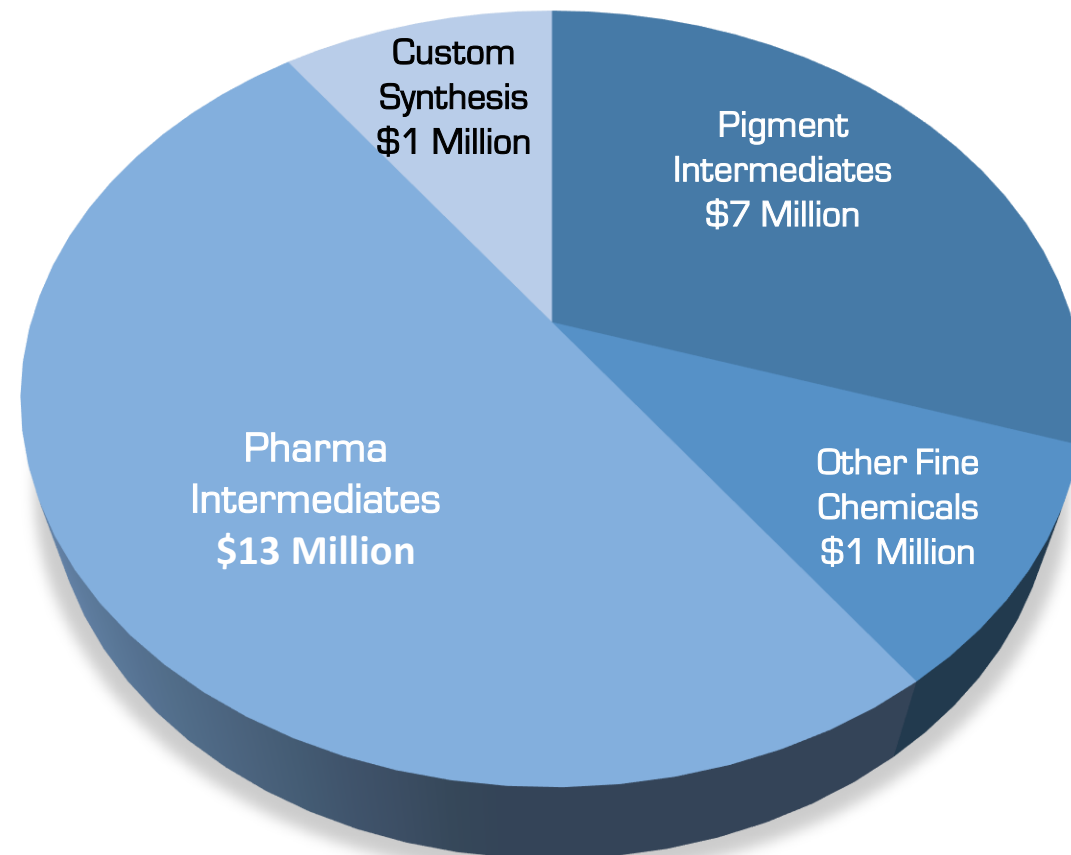


Custom Synthesis



Contract Research Manufacturing

Yearly Revenue



Our Exports

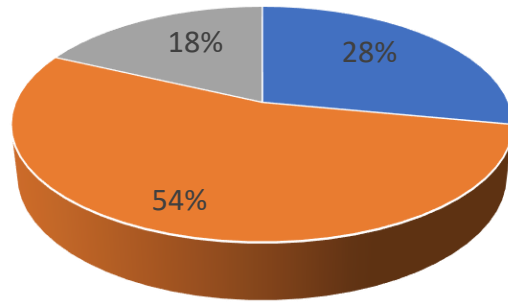
We are supplying Jay's products to our partners across the globe since 30+ years



Technical Strength

R&D is at the core of all our activities!

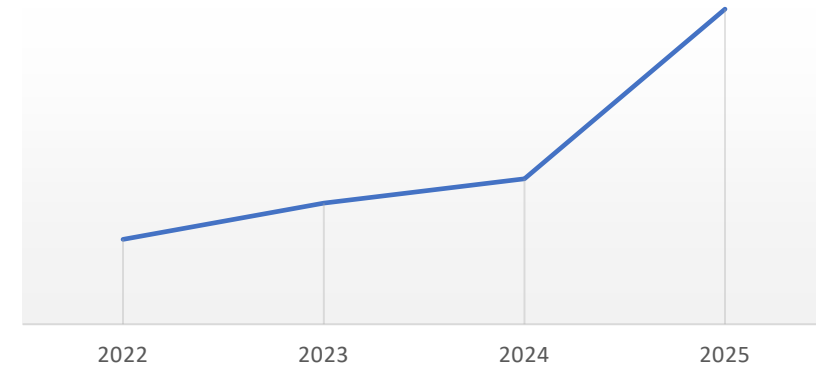
R&D Department Qualification



■ Doctorate ■ Masters ■ Bachelors

- Kilo Lab & Pilot Plant
- Infrastructure for studying & processing effluents at all stages
- cGMP Plant & cGLP Lab in Punagri
- Environmental Clearance to manufacture up to **7 MT/month** of any new product for R&D and Pilot purposes

R&D Headcount Growth



With our new plant commissioning in 2025, we are increasing our R&D Team by 60%

R&D, Analytical & QC

Our in-house Analytical lab includes, but is not limited to, the following equipment:

- Gas Chromatographs with autosampler & head space
- Quaternary Gradient HPLC systems with autosampler
- Binary HPLC System with Autosampler PDA & RI Detector and Fraction Collector
- UV-Vis Spectrometer
- Flash Chromatograph
- Ion Chromatograph
- FT-IR
- UHPLC
- Lovibond Spectrophotometer
- Automatic Digital Melting Point Apparatus
- Karl Fisher and Automatic Potentiometric Titrator
- IR Moisture Balance

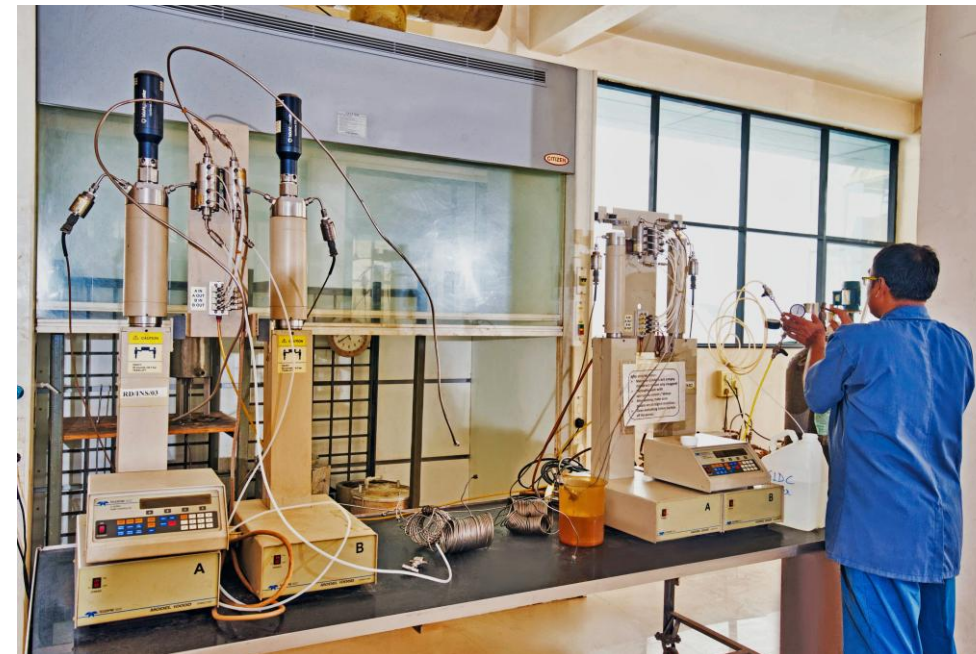
We have access to following advance analytical instruments:

- TGDTA
- DSC
- BET
- Particle Size Analyzer
- HPTLC
- AAS
- ICP-MS
- GC-MS
- XRD
- SEM
- NMR
- TGA
- LC-MS



Process Capabilities

- Acetylation
- Acylation
- Alkoxylation
- Amidation
- Ammonolysis
- Benzoylation
- Bromination
- Catalytic Hydrogenation/
Hydrogenolysis
- Chlorination
- Chlorosulphonation
- Condensation
- Cyclisation
- Cyclocondensation
- Dehydration
- Diazotisation & Hydrolysis
- Friedel-Crafts
- Grignard Reaction
- Hydroxymethylation
- Isomerisation
- Mannich Reaction
- Nitration
- n-Methylation
- Nitrosation
- O-alkylation
- Reduction
(Bechamp Reduction)
- Sulphonation /
Desulphonation



Facilities at Jay

Operational with a total capacity of 2250 MT/yr



Kilo Lab



Pilot Plant



Commercial
Plant



ETP

ecovadis
Certified
Partner



Reactors:

MSGL: 500 L to 8 KL capacity
Total Reactor Volume: 68 KL

SS316: 500 L to 12 KL capacity
Total Reactor Volume: 163 KL

PP/FRP: 500 L to 12 KL capacity
Total Reactor Volume: 48.5 KL

MS: 3.2 KL capacity
Total Reactor Volume: 9.6 KL

Reaction Temperature
5°C to 250°C

Reaction Pressure
Up to 10 kg/ cm²g

Upcoming Site at Punagri

- Ready for Production in Q2/2025
- Open to CDMO, CRO and Contract Manufacturing Opportunities

Environmental Clearance & all Relevant permits received



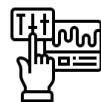
cGMP
Plant



cGLP Lab



Catalytic
Hydrogenation



Flow Chemistry
Lab

Punagri is further supported by:

- A full-fledged QC, QA & Process Development Lab
- Yokogawa DCS System
- Underground Class A & B Solvent storage
- 185 KLD Effluent Treatment Plant (ZLD)
- Independent building for Hydrogenation with operations fully controlled DCS
- Centralized warehouse, Engineering workshop & Instrument calibration room

Reactors:

MSGL: 100 L to 10KL capacity
Total Reactor Volume: 207 KL

SS316: 100 L to 10 KL capacity
Total Reactor Volume: 133 KL

Hydrogenators: 250 L to 5 KL
Total Reactor Volume: 10.25 KL

Reaction Temperature
-20°C to 250°C

Reaction Pressure
Up to 50 kg/cm²g

Clean Room Reactors:

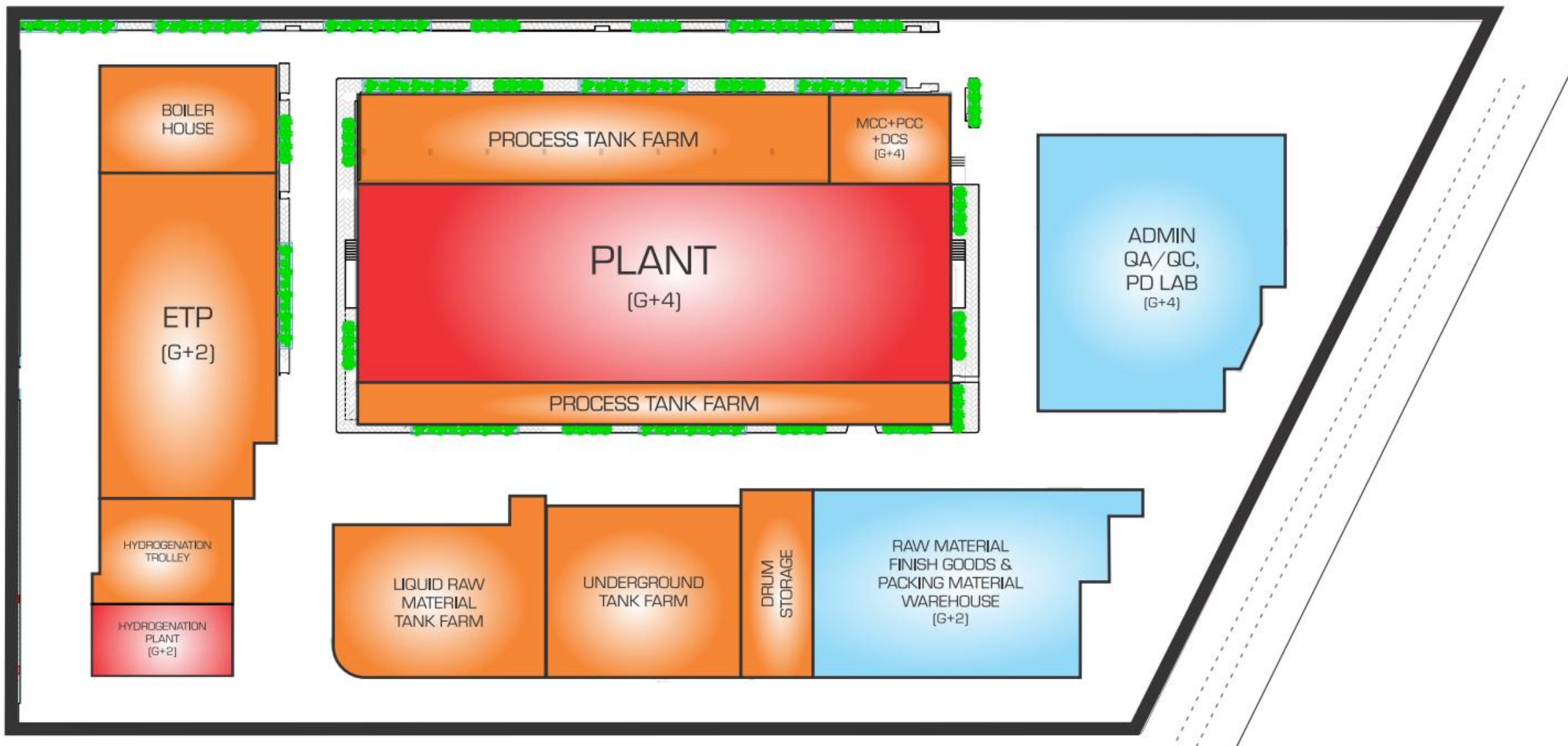
MSGL: 250 L to 4 KL capacity
Total Reactor Volume: 4.25 KL

SS316: 250 L to 4 KL capacity
Total Reactor Volume: 4.25 KL

Reaction Temperature
-20°C to 200°C

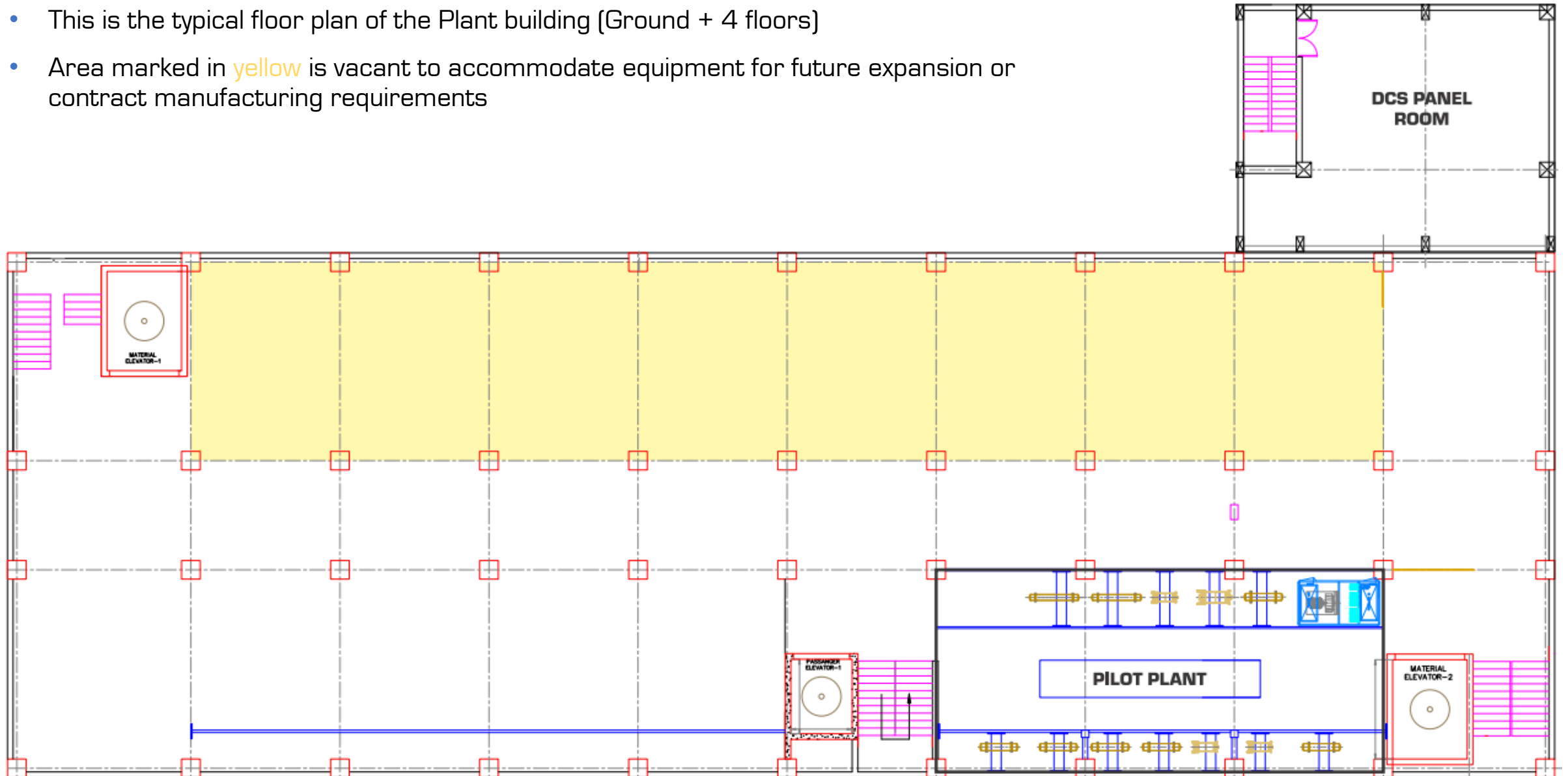
Reaction Pressure
Up to 10 kg/cm²g

Site Plan



Floor Plan

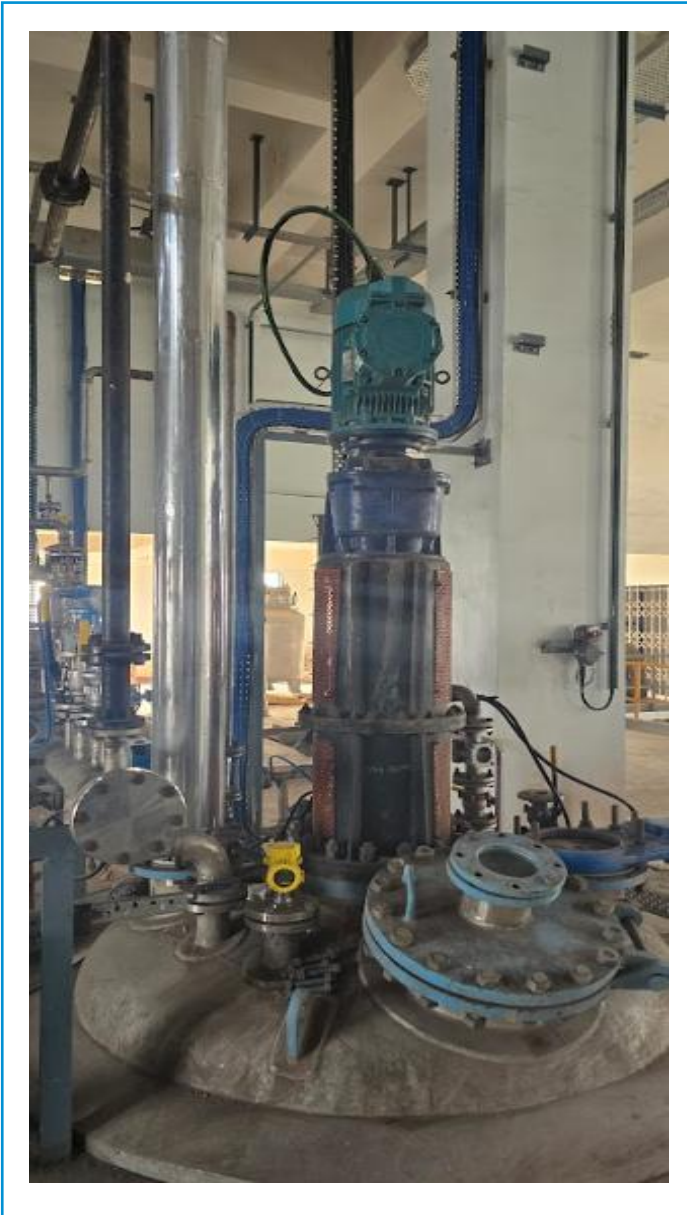
- This is the typical floor plan of the Plant building (Ground + 4 floors)
- Area marked in yellow is vacant to accommodate equipment for future expansion or contract manufacturing requirements



Current Site Photos



Current Site Photos



Current Site Photos





VISIT OUR WEBSITE

Thank You!



yogesh@jaychemicals.co.in
shruti.dama@jaychemicals.co.in

Meet us at:



ACHEMA