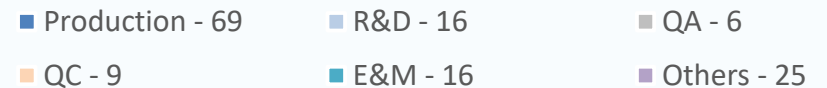
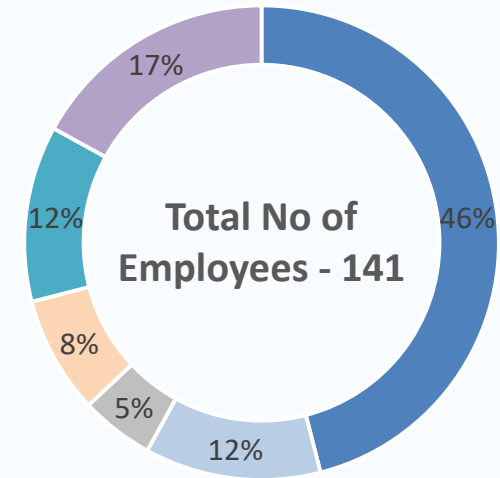


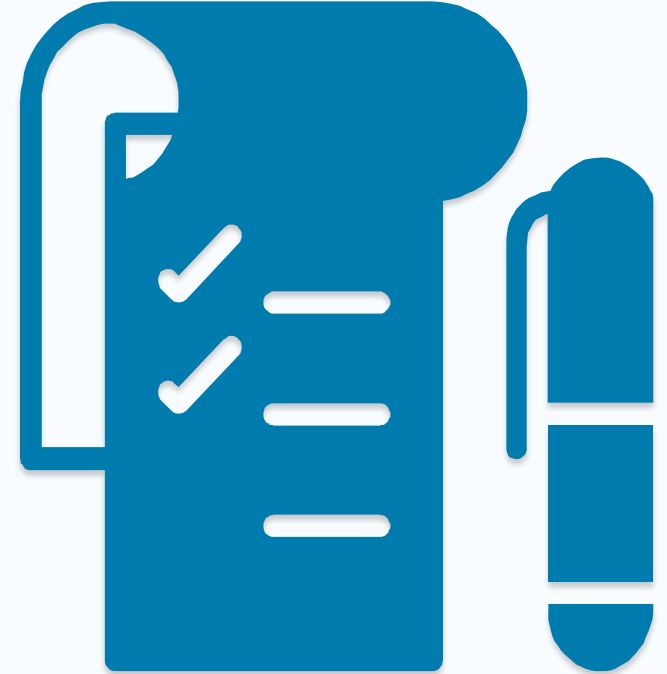
# FACILITIES

- » Production Capacity of 100kl
- » Hydrogenation – Up to 15kgs working pressure
- » Cryo facility – Up to -180 degrees
- » High Temperature facility – Up to 300 degrees
- » Clean Rooms – 2
- » Stability Chambers – 3
- » World class GMP Warehouse
- » Quality Control Labs with GC , HPLC and other systems



# EFFLUENT DISPOSAL CAPACITY

- We have CETP for Effluent disposal in our Industrial Area Atchutapuram and also another CETP in Ramky Pharma city Parvada.
- We have permission for the following quantities:
  - ✓ Each CETP 40 KL per day HDS/LSD and also we can scope for increasing the capacity if required based on the production capacity.
  - ✓ Process Organic residue and Distillation residue 2 MT per day.
  - ✓ Inorganic residue and mixed salts 4 MT per day.



# REACTION CAPABILITIES

- Our R&D department has very good experience in the synthesis of API molecules and Intermediates with in the time line and better quality.
- We have good experience in handling the following reactions:

Grignard	Stille Coupling	Cryogenic Reactions	Friedel Crafts Reactions
Wittig	Chanlam coupling	Hydrogenation	Halogenations
Suzuki	Mitsunobu	Grignard Reaction	Condensation
Heck	Vilsmeier	Ammonalysis	Nitration
Sonogashira	Sandmeyer	Oxidation	High Vacuum Distillations etc.
Friedel craft Duff	All Types of Alkali Metal Reactions	Acetylation	

# AVAILABLE SERVICES



## cGMP Manufacturing

- » API
- » API intermediates

## Custom Synthesis

- » Fine chemicals
- » Intermediates of advanced chemicals
- » Key starting materials

## R&D for Industrial Processes

- » Optimization and validation
- » Technology transfer from bench scale to commercial plant level

# EQUIPMENT DETAILS

Name of the Equipment	Type	Capacity	Quantity
Reactor	GLR	1 kL – 5 kL	7
Reactor	SSR	0.6 kL – 6 kL	14
Centrifuge	SS-316	48"	4
Centrifuge	SS-316 , HALAR	48"	1
ANFD	SS-316	2 kL	2
RCVD	SS-316	600 L	1
VTD	SS-316	48 Trays	1
Tray Drier	SS-316	96 Trays	3
Shifter	SS-316	50–250 kg/hr	2
Multi-miller	SS-316	18 Inches	2
Storage Tank	MS,PPFRP,HDPE	10–25 kL	10





# UTILITIES



Boiler	2 Ton capacity
Hot Oil	600,000 kcal capacity
Hot Oil	200,000 kcal capacity
High vacuum	High vacuum set up with steam jets
Cooling Tower	500 TR capacity
Cooling Tower	300 TR capacity
+5 degree C Chilling Plant	60 TR
-10 degree C Chilling Plant	28 TR
-20 degree C Chilling Plant	20 TR
Nitrogen Plant	99.95% 25 nm <sup>3</sup>
Air Compressor	12.5 HP Air Compressor