BUILDING TECHNOLOGY PLATFORMS

Imbuing cutting edge science and technology into pharmaceuticals

Technology has played one of the most crucial roles in the overall advancement of the drug manufacturing process. We are undergoing transformation to achieve excellence in science, technology, and innovation. Our approach aims to develop technological platforms in chemistry and biotransformation to boost the innovation engine and bring innovative offerings for our customers.

Transitioning from inefficient and waste intensive processes to acceptable, resource efficient alternatives require a significant change in approach and technology. Biotech and Biomanufacturing is driving incredible, unprecedented technological advancements, being fuelled by nature-based tools such as fermentation, enzymes and microorganisms.

Building relevant technology platforms and innovation is an integral part of our strategy going forward and set to move the organization towards excellence in Science, Technology and Innovation while protecting the manufacturing excellence, as the DNA of the organization.

Biological catalysts allow for mild working conditions compared to traditional chemical catalysts, so it is eco-friendly, biodegradable and highly cost-effective. It comprises fewer steps, easy purification and requires minimal capital investment than conventional synthetic processes.

Enzyme/protein engineering is an exciting opportunity for us to drive future innovation from the perspective of Cost competitiveness, Manufacturing excellence & productivity and Sustainability & Green chemistry.

We are also leveraging our technology alliances to achieve backward integration for some of the key raw materials, including PAP and DCDA, employing innovative routes and process technologies, and focusing on manufacturing quality with sustainability at the forefront. Using novel approaches and procedures,

We will be using the technology platforms, coupled with innovation in reuse and recycle of by products, with almost no generation of waste, reimagined manufacturing platform using minimum resources of energy, development of “eco-green” process development.