



Avra Laboratories Pvt. Ltd.



Company Overview

Introduction

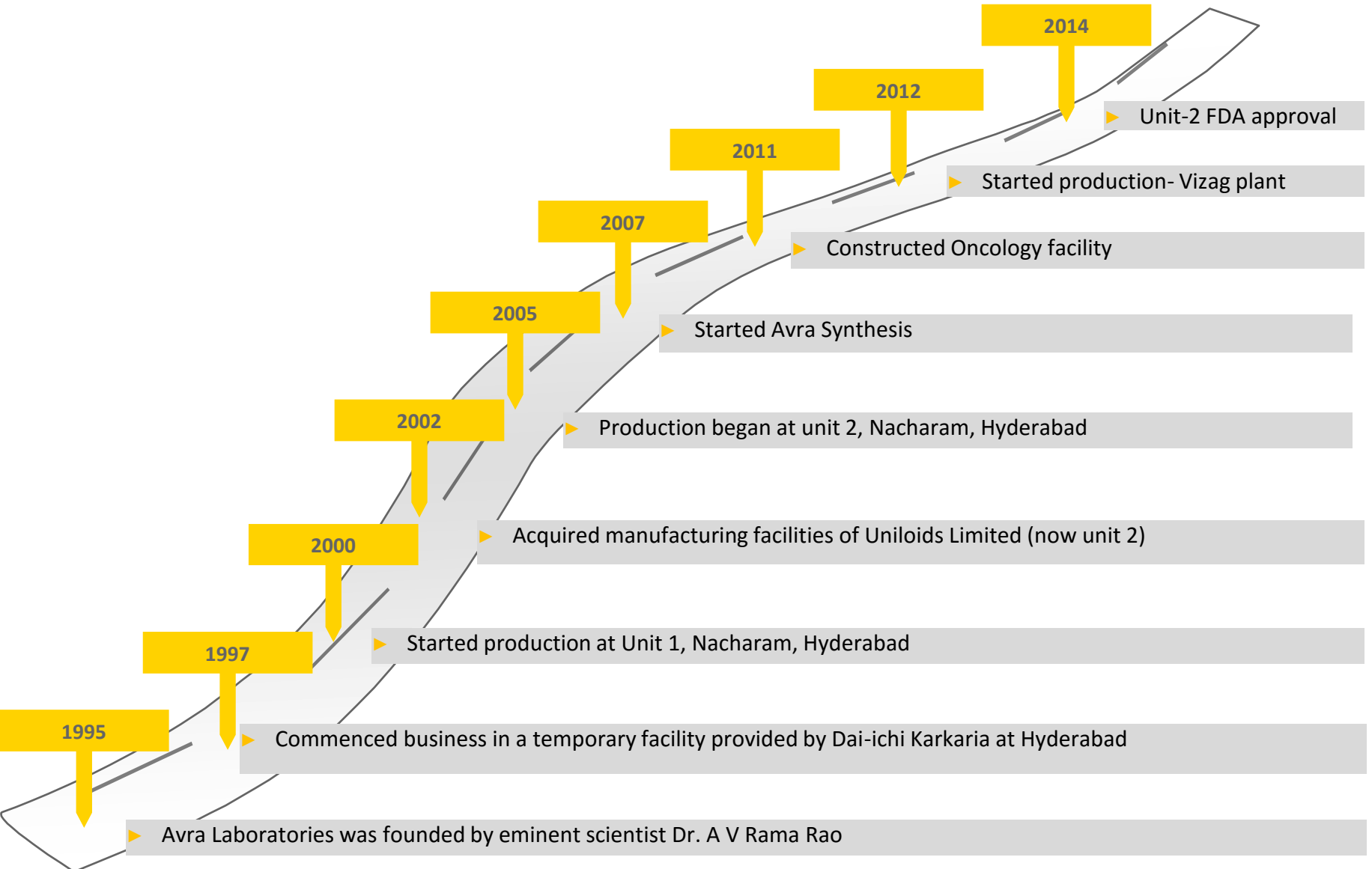


- ▶ Avra Laboratories Private Limited is amongst the first companies in India to focus on
 - ▶ Providing high-end contract research
 - ▶ Custom synthesis of complex chemicals
 - ▶ Manufacturing of niche intermediates and APIs covering various therapeutic areas including oncology
- ▶ Its subsidiary – Avra Synthesis Private Limited is engaged in providing high quality, pre-tested laboratory chemicals and reagents to various research organizations, companies and academic institutions
- ▶ Has 4 R&D and manufacturing facilities (including one facility owned by Avra Synthesis) located in Hyderabad and Visakhapatnam in India
- ▶ Facilities are certified with ISO 9001 and the company follows cGLP and cGMP practices
- ▶ USFDA approved facility
- ▶ The company has been profitable since its first year of operations

Avra's vision is to become a global research organization with core competencies in chemistry and to be recognized as a reliable long term partner by global pharmaceutical companies

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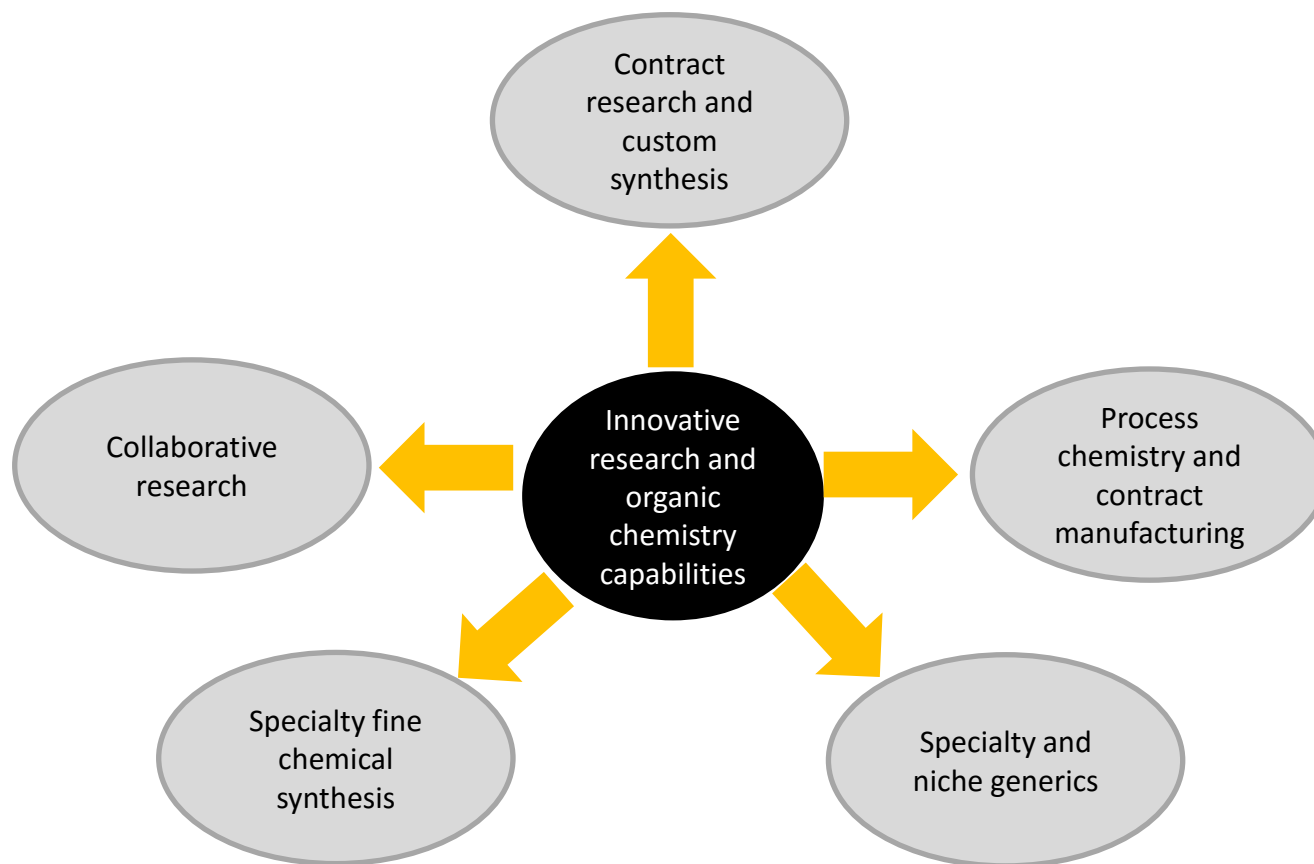
The journey so far...



Products and Services Overview



Avra's aim is to become a one-step destination for international pharmaceutical companies that require chemistry based support starting from lead generation till commercial production of APIs and intermediates



Products and Services

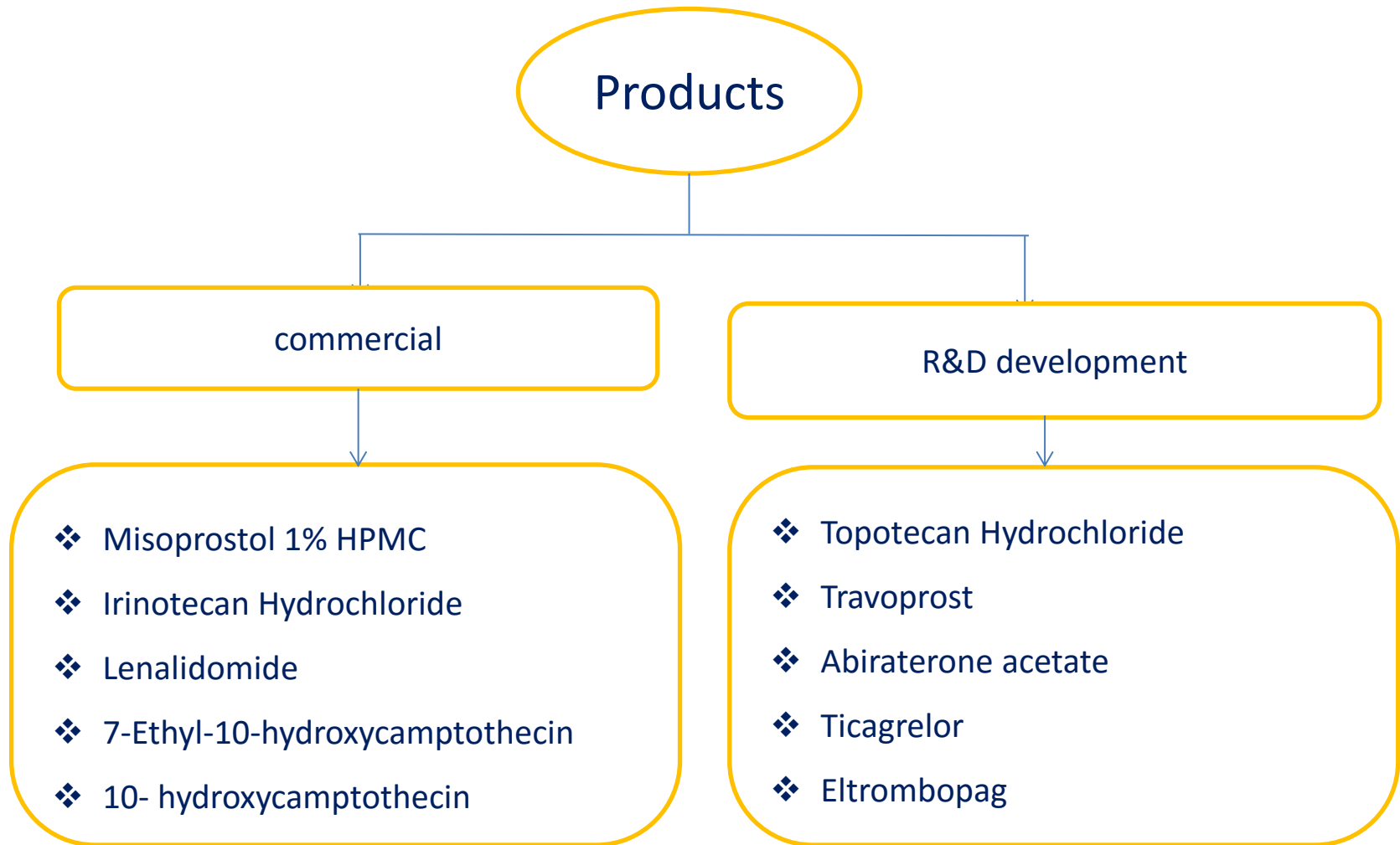
Specialty and Niche Generics



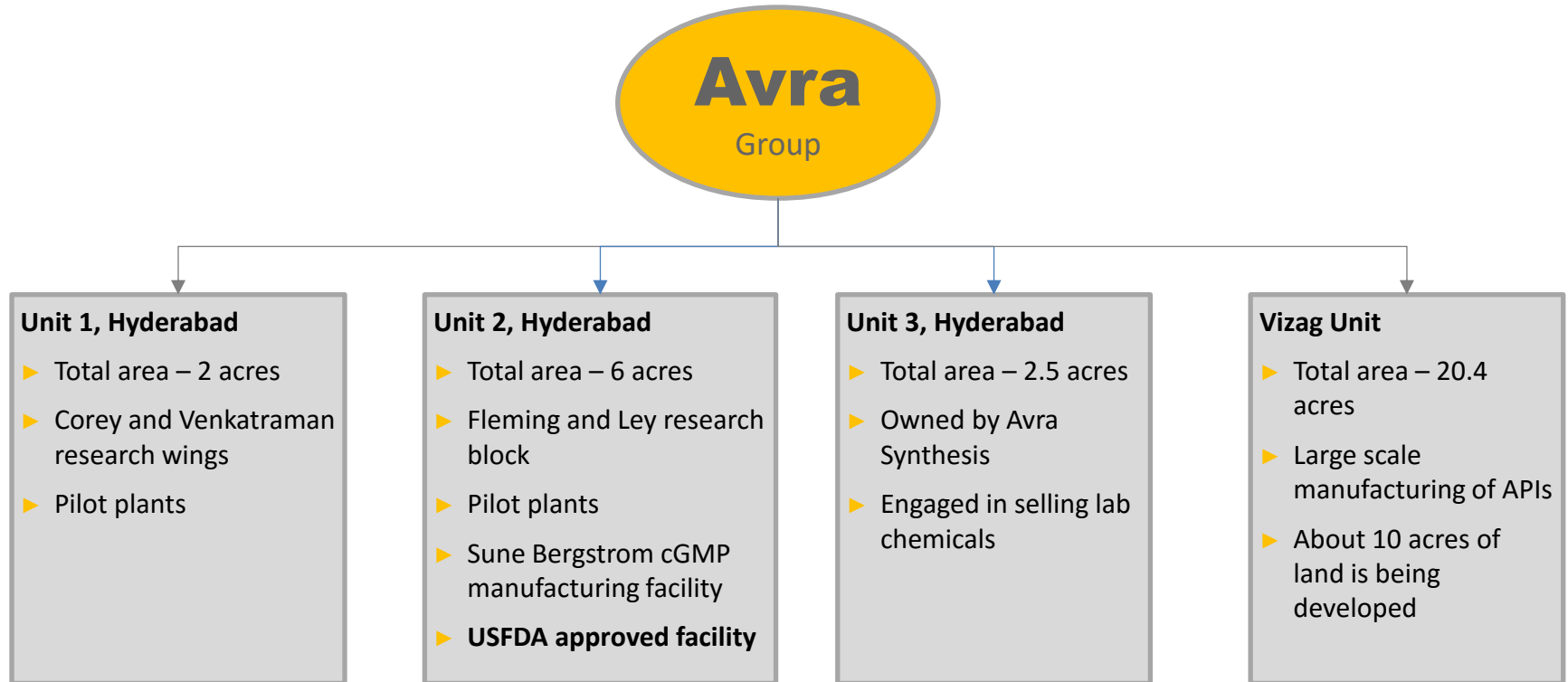
Specialty and niche generics

- ▶ Currently focuses on cytotoxic drug class in cancer treatment
- ▶ World's first company to develop a synthetic route for manufacturing camptothecin derivatives including Irinotecan (trade name – Camptosar) and Topotecan (trade name – Hycamtin)
- ▶ Various molecules in pipeline

- ▶ First company in the world to develop a synthetic route for manufacturing of camptothecin derivatives like Irinotecan and Topotecan, which provides for significantly higher levels of drug purity compared to the existing product forms
- ▶ Irinotecan is used in combination therapy for treatment of colon cancer and Topotecan is used in the treatment of various cancers like ovarian, lung etc.
- ▶ Supplies Irinotecan intermediates to various pharma companies in India and abroad
- ▶ Various pharma players are planning to file DMFs based on Avra's Intermediates
- ▶ Irinotecan Hydrochloride
- ▶ Topotecan Hydrochloride
- ▶ 7-Ethyl-10-hydroxycamptothecin (SN-38)
- ▶ 10-hydroxycamptothecin



Manufacturing and R&D Infrastructure Overview



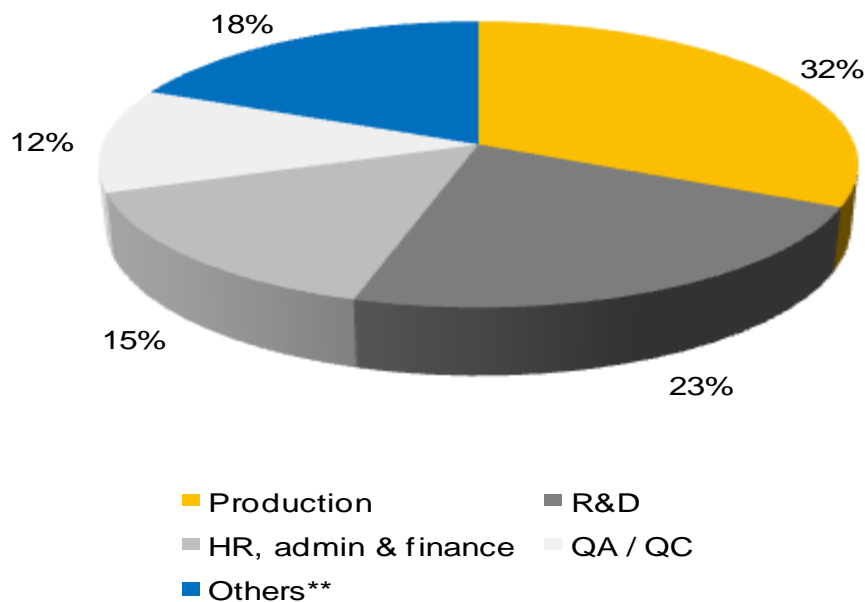
- ▶ To comply with international research and manufacturing standards, Avra has implemented comprehensive documentation for standard operating procedures, test method documentation, limit specifications and qualifications
- ▶ The R&D labs are ISO 9001 certified and cGLP complaint
- ▶ Manufacturing facilities are cGMP compliant

Human Resource Overview



Department wise employees*

Total employees - 580



* Total employees are as on April 2014, including 100+ employees on contractual basis

* Total employees are only for Avra Labs; Avra Synthesis employs ~ 35 people

** Others include electrical, excise, maintenance, supply chain



Thank you

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