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Compendium of Biotechnology and Life Science Companies in Gujarat

▶▶ Transcribing Brighter Bio Future

Compendium of
**Biotechnology and Life Science Companies
in Gujarat**

▶▶ Transcribing Brighter Bio Future

MESSAGE



Anandiben Patel
Honorable Chief Minister
Gujarat



Agri-Infra 2014-11-29-14

Dr: 29-11-2014

MESSAGE

The expanding vistas of modern science have been the pillars of our present and future progress. In present scenario when knowledge based economy holds key to better future, Government of Gujarat, regards Biotechnology as potential growth engine for future progress.

Development and growth of Biotechnology, is cumulative efforts of all the stakeholders specially the industries which drive the sector. With passion of entrepreneurship, as essential fabric of Gujarat mind set, the state has endeavoured to keep pace with time and advances in this niche area. The gradual increase in number of Biotechnology industries in Gujarat is an assurance of Gujarat's steady progress in the field.

Preparation of "**Compendium of Biotechnology and Life Science Companies in Gujarat**", as third edition and with updated information, is a continuation of right efforts made in this direction. This endeavor would contribute immensely in networking and development of synergy amongst biotech industries. It would also help in projecting the biotech business strengths of Gujarat at State, National and International level. I extend my heartiest congratulations and best wishes to **Gujarat State Biotechnology Mission**, for their efforts.

Anandiben Patel
(Anandiben Patel)

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Anandiben Patel
Chief Minister, Gujarat State

MESSAGE



Govindbhai Patel
Honorable Minister of State
Science & Technology, Gujarat



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Date : 28 NOV 2014

MESSAGE

Gujarat has identified biotech as key sector for driving the state towards a knowledge driven economy. To facilitate overall development of biotechnology in the State, government has established Gujarat State Biotechnology Mission, under the aegis of Department of Science & Technology.

Gujarat's concerted efforts, in identified areas of modern Biology and Biotechnology, have paid rich dividends. The impact of biotechnology related developments in agriculture, healthcare, environment and industry are visible and the efforts are now culminating into products and processes. The sector is being actively driven by industries which are providing new products and services to society. The increase in biotech industries is assurance of strong biotech business ecosystem.

The third edition of "Compendium of Biotechnology and Life science Companies in Gujarat" is a compilation which reflects the growth of biotech industries and biotech business in Gujarat. It will not only help in networking but will also facilitate synergy building amongst stakeholders.

I congratulate the team of Gujarat State Biotechnology Mission for their continuous efforts in this direction.


(Govind Patel)

MESSAGE



D. J. Pandian, IAS
Chief Secretary, Gujarat



D J Pandian, IAS
Chief Secretary

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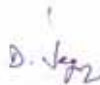
MESSAGE

Biotechnology is sunrise industry, providing technology solutions and contributing immensely to socio-economic development of society. Gujarat state has adopted a holistic approach for promoting this innovation driven sector and has undertaken key initiatives in research, education and business.

Growth of biotech business is key indicator of health of Biotechnology ecosystem and state has been monitoring and documenting this progress.

In this regard, preparation of third edition of "Compendium of Biotechnology and Life science Companies in Gujarat" with updated information is well timed effort.

I am sure this compendium will help the industries, Academia and other stakeholders. I extend my heartiest congratulations and best wishes, to Gujarat State Biotechnology Mission.



D J Pandian
Chief Secretary

MESSAGE



S. J. Haider, IAS
Secretary, Department of Science & Technology
Gujarat

S. J. Haider, IAS
Secretary


2019-20
Department of Science & Technology
Government of Gujarat


2019-20
SCIENCE & TECHNOLOGY
GO GUJARAT

MESSAGE

Government of Gujarat has identified Biotechnology as a service sector and has adopted an integrated approach for developing Biotechnology in the State.

The strategic actions, programmes and schemes undertaken by the State have been conducive to the setting up of the right ecosystem for the promotion of Biotechnology. Increased intensity of research, education, business, investments, products and collaborations signifies the definite achievements by the State in this regard.

The State Government has been playing the role of active facilitator. It has been coming up with documentation which reflect the trends and progress. The third edition of "Compendium of Biotechnology and Life Science Companies in Gujarat" with updated information is an effort of similar nature.

I warmly welcome the publication of this Compendium which showcases the growing strength of Gujarat Biotechnology industries. The Compendium has been made especially for stakeholders and policymakers. It shall facilitate the sharing of knowledge and resources amongst the existing players. The document will not only help in projecting the business strength of Gujarat but will also facilitate networking at the regional and global level.

I convey my sincere wishes and heartfelt congratulations to the Gujarat State Biotechnology Mission.


(S. J. Haider)

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Foreword

On behalf of Gujarat state Biotechnology Mission, I hereby bring forward the third edition of Compendium of Biotechnology organizations of Gujarat. Biotechnology has potentiality to play a pivotal role in every sector of the economy. Therefore Government of Gujarat has been undertaking relentless efforts to catalyse the growth of Biotechnology for socio-economic progress.

The present compilation is an updated version which has been brought out in a newer format to enlighten the sustained efforts of state government for the growth and development of the biotechnology sector in the state. Biotechnology industries have been driving the sector by bringing in innovative products, expanding businesses and research collaborations as well as creating employment opportunities.

This compendium is prepared with the objective to provide information of biotech business, sale of new biotechnology products, to encourage inter and intra-sector partnerships and strategic tie ups in order to promote Gujarat as biotechnology destination. The compendium provides analysis about evolution of biotechnology sector as a whole and also amongst its various constituent components i.e. Agriculture Biotechnology, Pharmaceutical and Healthcare Biotechnology, Bio-services, Industrial Biotech, Environment Biotechnology, Food biotechnology, Bio-informatics. The compilation presents the entire landscape of biotech industries in Gujarat, along with its value chain. It also underlines the increase in number of biotech industries in Gujarat, the ideal ground for global players, which widens platform for Biotech SMEs, the growing league of big Biotech players and the potential for future growth.

With successful Vibrant Gujarat Summits and Biotechnology investments -committed, completed and ongoing, Gujarat is emerging as global biotechnology strategic hub. In the given background I appeal to all Gujarat based entrepreneurs to second our efforts to place Gujarat on Global Bio-map. I also take opportunity to invite the global biotechnology community to partner with Biotechnology industries in Gujarat.

In accordance with its mandate of promoting Biotechnology, GSBTM has been coming up with products and outputs that have been facilitating foresight, business decisions, investment and planning for the industries. It will continue to do so and preparation of this compendium- "Compendium of Biotechnology & Life science Companies in Gujarat", is a continuation of our commitment in this direction.

I am thankful to our parent department – Department of Science & Technology and to the industries who have shared their valuable information with us, which has made this compilation possible. I also put on record the excellent team spirit, hard work with which the young team of GSBTM undertook the task and endeavoured to complete it.

I am sure that in the efforts of this nature, some lacunae might have crept in inadvertently which provides scope for further improvement. It will be our constant effort to update this compendium at regular interval and I welcome your input and feedback.

Akshay Kumar Saxena, IFS (Mission Director)

Gujarat State Biotechnology Mission (GSBTM)

Formation

To facilitate overall development of biotechnology in the State and to function as the implementation, feedback and promotional arm of the State Government, Gujarat State Biotechnology Mission, GSBTM has been constituted as an autonomous body by a government resolution under the aegis of Department of Science & Technology, Government of Gujarat and has initiated its operations from April 2004. The Government of Gujarat, in its resolve and continued efforts for socioeconomic upliftment of society, has identified Biotechnology as single most potential tool.

Vision

To realize and harness the potential of Biotechnology as a human endeavor for the highest intellectual pursuit and as an effective future delivery system for creating a disease free, nutritionally secure society living in safe, clean environment, leading to overall socioeconomic growth, welfare and progress of humanity.

Structure

The operations of Biotechnology Mission are regulated by four sector specialists, with their respective staff are taking charge of different sectors of biotechnology, headed by the Mission Director.

Objectives

- To implement the biotech policy and programs
 - Study and examine the central policies and international covenants
 - To liaise between the Central and State Government, international institutions, organizations and academia
 - To encourage research and industrialization in the field of biotechnology in Gujarat
 - To promote and develop the human capacity and infrastructure support in the field of biotechnology
- To monitor, state, evaluate, execute and implement the State Government programs in the area of biotechnology

Activities

- Awareness generation and knowledge upgradation programs like seminars, workshops, lecture series, participation in fairs and exhibitions
- Supporting and developing Centers of Excellence in various sectors of biotechnology
- Supporting and facilitating Human Resource Development in biotechnology
- Promoting biotechnology research and supporting infrastructure development
- Developing institutional framework for the implementation and regulation of biotechnology programs
- Networking and co-ordination of biotechnology sector

Disclaimer

Whilst every effort has been made to ensure that the information contained in this document is accurate at the time of going to press, no liability for damages is accepted by GSBTM arising from any errors or omissions that may appear, however caused, or from any editorial alterations to submitted information. The report covers a general view of the biotech and life science industries and company trends. The data compiled in the report consists of all available and relevant facts about the industry, which has been sourced from public domain or is on the basis of response received from the company. No responsibility is assumed for authenticity of the information furnished by these companies and believed to be reliable. Revenue profiles of biotechnology companies have been derived from annual reports, company website or Biospectrum ABLE Surveys. In case where data was not available, tentative values have been determined by applying suitable algorithm derived from current trends.

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Methodology

Appendix

The basis for the profiles presented in this Compendium, is the survey questionnaire that was addressed to all identified biotechnology organizations in the State of Gujarat. The questionnaire comprised of approximately forty questions covering crucial aspects such as organization's contact details, areas of operations (products/services, etc), human resource data, infrastructure, knowledge capital (patents, R&D Projects), financial data, achievements, future plans etc. In total 151 organizations received this survey.

Altogether 99 organizations responded to this survey and an additional 75 organizations were interviewed on telephone. The information for the remaining was collated from various secondary sources including websites, publications, business journals, industry databases, etc. Every effort was made to ensure that the final set of survey included all biotech organizations in the State. However, not all questions were answered by all the respondents.

The organizations selected for the Compendium are:

1. Firms located in Gujarat including biotech companies doing manufacturing and R&D in the State and excludes marketing offices of Indian companies/ Clinical sites setup by CROs/ Field trials being undertaken by agri-biotech companies.
2. Foreign Companies with subsidiaries in Gujarat, which have been incorporated as Gujarat based companies. Companies having manufacturing or R&D facility are also been included.
3. Research Organizations located in Gujarat imparting biotechnology related training or using biotechnology tools have been included.
4. Support Departments of Government of Gujarat, service providers like investors, consultants, IPR protection firms and start up support organization have been included.
5. Non-Government Organizations based in Gujarat, involved in biotechnology in terms of introducing the benefits of biotechnology to the society by promoting awareness, increasing their adaptability towards biotech products and encouraging their participation.

Biotechnology Industries in Gujarat- Sectorial Analysis

This chapter provides information on biotechnology & Life Science companies in Gujarat - Pure Play, Convergence, and services companies. It contains both an alphabetized matrix with relevant categorization under different heads, for quick scanning and 151 individual company profiles.

Matrix

The matrix of biotechnology companies includes the following information :

- Type of Organization
- Primary Business
- Innovation
- Approvals, Certificates and Achievements

Company Profile

The individual company profiles can serve as a useful resource in fostering the establishment of new contacts and collaborations in the industry. The company profiles include the following information:

- Contact Details
- Company Activities – Type of Organization, Sector Activity, Key Products/ Services
- Company Description
- Turnover
- Manpower
- New Products
- New Technology
- Overseas Expansion
- Mergers/ Acquisitions
- Collaboration (International & National)
- Future Plan

Sr. No.	Name of Companies	Survey Response			Type of Organization			Primary Bussiness					Innovations					Approvals, Certificates and Achievements									
		Written Response	Verbal Response	No Response	Pure Play	Conversions	Pure Services	R & D	Manufacturing	Marketing	Exporter	Supplier	Trader	New Products	Overseas Expansion	New Technology	Collaboration (International)	Collaboration (National)	Mergers /Acquisition	Patents	ISO	GMP	DSIR	DBT	NCS-TCP	HACCP	Awards
137.	Greendiamz Biotech Ltd	●	○	○	●	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
138.	Maps Enzymes Ltd.	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
139.	Meteoric Exim Pvt. Ltd: Meteoric Life Sciences	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
140.	Microgenix Pvt. Ltd.	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
141.	Micropore Filtration Solutions Pvt. Ltd.	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
142.	Zytext Biotech Pvt. Ltd.	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
143.	Abellon clean Energy Pvt. Ltd.	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
144.	Altret green fuel limited	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
145.	Ankur scientific energy technology Pvt ltd	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
146.	BND Energy Pvt. Ltd.	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
147.	Concept Biotech	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
148.	ONGC TERI Biotech Ltd	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
149.	IBIO Analysis Pvt. Ltd.	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150.	La Chandra Bio science Pvt. Ltd.	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
151.	Amul Research & Development Association(ARDA)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Introduction

The biotechnology sector is one of the sectors which have contributed to enhancing the global profile of India in the last decade. At the beginning of the decade, this industry began to take shape with the establishment of dozens of start-up companies as well as the diversification of established pharmaceutical players which have set up biotech divisions to focus on this segment. Numerous companies have sprung up to contribute to exponentially growing biotech market. The biotechnology companies in the Western Cluster, comprising the states of Maharashtra, Gujarat and Goa, generated Rs. 10,905.58 crores in revenues. Out of the total revenues of Rs. 25,165 crores generated by the biotechnology companies in India in 2013-14, the West's share was 43.3% with Maharashtra and Gujarat as major contributor (*Biospectrum, 2014*).

Today, Gujarat is amongst the top 5 biotech destinations in India. Gujarat's thriving Pharmaceutical and Agricultural sectors are driving its biotech industry, which already has a strong foundation in the state and is well supported by academic and research institutes. Further, specialized biotech park, skilled workforce, government support and ethnic diversity provide the investor with the ideal platform for clinical and contract research, application in agriculture, food and marine biotechnology. For facilitating the development of biotechnology in the State, Government of Gujarat has constituted Gujarat State Biotechnology Mission, under the aegis of Department of Science and Technology.

Biotechnology Industry in Gujarat

Today, the Gujarat Biotech Industries encompasses around 151 Companies and has generated revenue of 4000 INR in Crores in fiscal year 2013-14.

The Industry can be broadly categorized under seven major sub-segments:

- Agriculture Biotechnology
- Pharmaceutical & Healthcare Biotechnology
- Bio-services
- Industrial Biotechnology
- Environmental Biotechnology
- Bioinformatics
- Food Biotechnology

Gujarat, the Biotechnology Hub



Figure 1: Map showing major Biotechnology companies of Gujarat

Considering the industry's importance in the nation's development, the Government of Gujarat has significantly increased its efforts to accelerate R&D activities, and innovation. It has set up institutions for higher learning and has sanctioned numerous research grants. This report analyses the growth of the biotechnology industry in Gujarat over the past decade and sets a stage to assess the parameters driving the industry's growth.

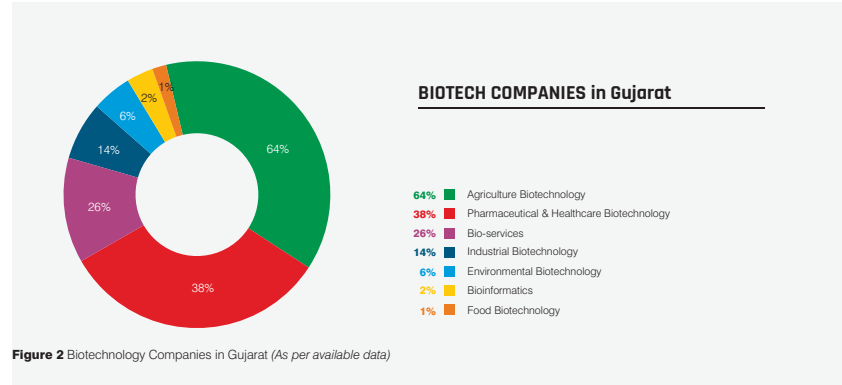


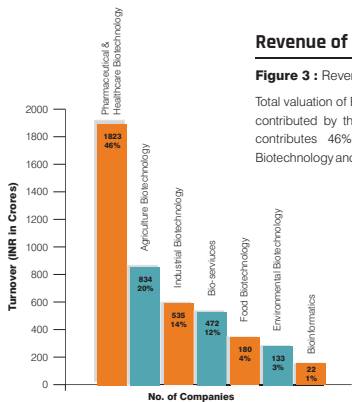
Figure 2 Biotechnology Companies in Gujarat (As per available data)

For the past few years, the number of Biotechnology companies in Gujarat have been increased exponentially. Pharmaceuticals and Healthcare Biotechnology, Agriculture Biotechnology, Industrial Biotechnology, Food Biotechnology, Environmental Biotechnology, Bio-services and Bioinformatics are the rapidly emerging sub sectors of the state. The above chart depicts breakup of 151 Biotechnology companies in various sub-sectors.

Revenue of Biotech Industries [2013-14]

Figure 3 : Revenue breakup of sub- sectors of Biotechnology in Gujarat (As per available data)

Total valuation of Biotechnology sector in Gujarat is 4000 Crores for the previous financial year (FY). 20% is contributed by the Agriculture Biotechnology, followed by Pharmaceuticals & Healthcare sector which contributes 46% and Industrial biotechnology, Bio-services, Environmental Biotechnology, Food Biotechnology and Bioinformatics contributed 12%, 3%, 4% and 1% respectively.



Turnover Breakup of last three years

Figure 4 : Turnover Breakup of Gujarat Biotechnology industries of last three years (As per available data)

The above graph is representing turnover breakup for last three financial years (FY). In which turnover value is divided into 4 categories – 0-50, 50-100, 100-300 and 300-500 crores, respectively. In FY 2013-14, 127 companies are categorized in value of 0 to 50 crores, apart from that value of 50 to 100, 100 to 300 & 300-500 crores, 12, 8 & 1 companies are categorized in each of values respectively.

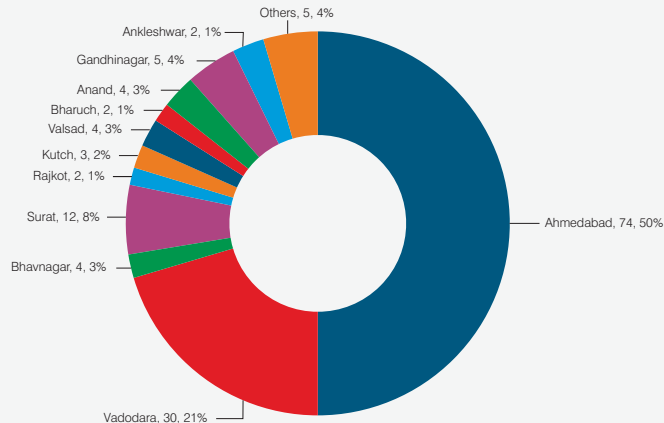
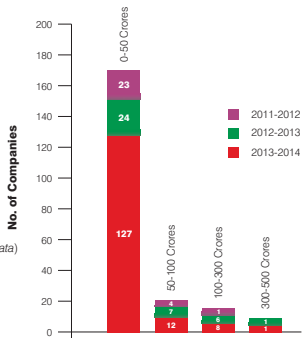
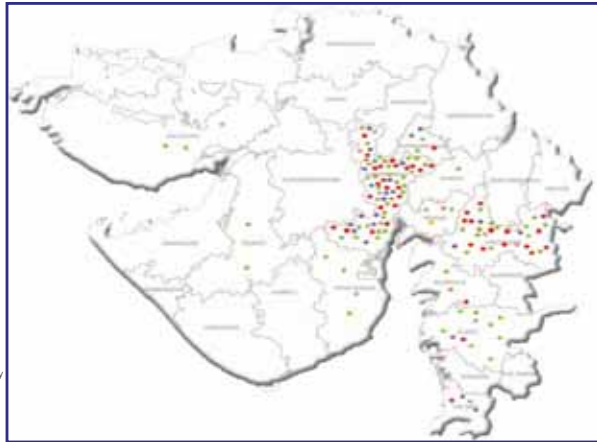


Figure 5 : Regional distribution of Biotechnology Companies in Gujarat

Regional distribution indicates that 50% companies are located in and around Ahmedabad followed by 20% companies in and around Vadodara making them major clusters of biotechnology industries.



- Bioinformatics Companies
- Environmental Biotechnology
- Agriculture Biotechnology
- Industrial Biotechnology
- Food Biotechnology
- Bio-services
- Pharmaceutical & Healthcare Biotechnology

Figure 6 : Map showing distribution of Biotechnology companies in Gujarat

Out of 151 Biotech companies in Gujarat, Ahmedabad has the highest number of companies (77), followed by Vadodara (30), Surat (12), Gandhinagar (5); Valsad, Anand and Bhavnagar each have (4); Bharuch, Kutch and Rajkot each have (2), while the other districts namely Kheda, Navsari, Narmada, Mehsana, Panchmahal and Vapi have 1 company each. One of the major canters in India where many enterprising business houses are anchored, Biotechnology has also found its ground in Ahmedabad.

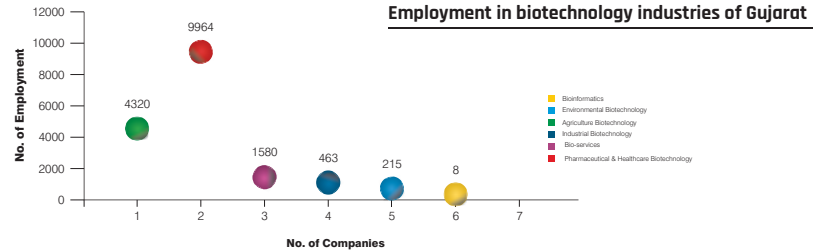
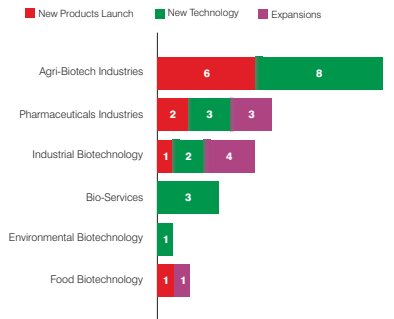


Figure 7 : Manpower in the respective subsectors (As per available data of 94 companies)

As the biotechnology industry continues to flourish in Gujarat, it devours a wide variety of career opportunities ranging from sales and marketing, research and development, manufacturing and quality control and assurance. Not only are the total number of biotechnology companies increasing, but employment in the biotechnology field continues to grow as well. Pharma and Healthcare Biotech has been the major employment generator followed by Agri Biotech and Bio-services.



Innovation is driven by the influences to create lasting value from breakthrough advances in technologies and processes. Few of the parameters considered here as a representation of this are launch of a new product, improvement in product quality or quantity, expansion of facility and infrastructure etc. Based on the above-mentioned parameters, Gujarat over the past 5-7 years, in the Agri-biotech sector represents maximum evolution: six of these companies have launched new products in the area of Crop Protections and Bio-fertilizers, eight have acquired new technology. In Pharma & Healthcare sector two companies have launched new products in the area of vaccines and biosimilars, five companies having acquired new technology in the area of virus like particles vaccine technology and three having expanded their facilities to establish global presence. Food Biotechnology is limited to probiotic products which are launched by Amul. Industrial Biotechnology companies have expanded their fermentation capacities for enzymes and metabolite production. In Environmental Biotechnology sector Oil Zapper technology has been developed by ONGC TERI Biotech limited.

Figure 8 : Innovations in Biotechnology sector of Gujarat. (As per available data)

DSIR Recognition

Out of total 1797 DSIR recognized companies in India in FY 2013-14, 181 companies are based in Gujarat. Biotechnology companies of Gujarat have 24% share in DSIR recognition followed by 76% in Biology & Allied areas. Out of 49 SIRO recognized R&D centres of India, 38 Centres are based in Gujarat. . (Directory of R & D Institutions June 2010 and Directory of Recognized In-House R&D Units, 2013, Ministry of Science & Technology, Department of Scientific and Industrial Research (DSIR), Government of India)



Agriculture
Biotechnology





Agriculture Biotechnology Sector Analysis

Sr.No.	Name of Companies	Agri-Biotech Products					
		Tissue Culture	Biofertilizers	Bioinsecticides, Biolungicide, Growth Promoters	Herbal Products	Hybrid Seed	Others
1.	ABC Agrobiotechnology Pvt. Ltd.	●	○	○	○	○	○
2.	Abellon Agrisciences	●	○	●	○	○	○
3.	Agriland Biotech Ltd.	○	●	●	○	○	○
4.	Algene Biotech	○	●	○	●	○	○
5.	Amines Biotech Pvt. Ltd.	○	○	○	●	○	○
6.	Arcadia Agro	●	○	○	○	○	○
7.	Arihant Bioferlichem Pvt Ltd.	○	●	○	○	○	○
8.	Asia Green BioCrops Science	○	●	●	○	○	○
9.	Aumgene Biosciences Pvt. Ltd.	○	○	○	○	○	○
10.	Aura Herbal Textiles Ltd.	○	○	○	●	○	○
11.	Avalanche Associate	○	●	●	○	○	○
12.	Biogene Agritech Pvt Ltd.	○	○	○	○	○	●
13.	Cadila Pharmaceutical Ltd. (Agro Division)	●	●	○	○	○	○
14.	Carrag SeaVeg Pvt. Ltd.	○	○	○	●	○	○
15.	Chinmay Raj Biotech Pvt. Ltd.	○	○	●	○	○	○

Sr.No.	Name of Companies	Agri-Biotech Products					
		Tissue Culture	Biofertilizers	Bioinsecticides, Biolungicide, Growth Promoters	Herbal Products	Hybrid Seed	Others
16.	Cippy Biointernational	○	○	○	○	○	●
17.	Drishti Biotech Pvt. Ltd.	○	○	●	○	○	○
18.	Excel Cropcare Ltd.	○	●	●	○	○	○
19.	Farm Biotech Pvt. Ltd.	○	●	○	○	○	○
20.	Forest Herbal Research	○	●	○	○	○	○
21.	Geeta Biotech	○	○	●	●	○	○
22.	Glarion Agri bio-tech Pvt. Ltd.	○	○	○	○	●	○
23.	Godrej Agrovet Limited (GAVL)	○	●	●	○	○	○
24.	Greenfield Biotech	●	○	○	○	○	○
25.	Gujarat Bio Organics Pvt Ltd	○	●	●	○	○	○
26.	Gujarat Eco Microbial Technologies Pvt	○	○	●	○	○	○
27.	Gujarat Lifescience Pvt. Ltd.	○	○	●	○	○	○
28.	Gujarat Narmada Valley fertilizers Co. Ltd.	●	●	○	○	○	○
29.	Gujarat State Fertilizers & Chemicals Ltd.	●	●	●	○	○	○
30.	Gujarat State Seed Corporation Ltd	○	○	○	○	●	○

Agriculture Biotechnology Sector Analysis

Sr. No.	Name of Companies	Agri-Biotech Products					
		Tissue Culture	Biofertilizers	Bioinsecticides, Biolungicide, Growth Promoters	Herbal Products	Hybrid Seed	Others
31.	Hybriteck Tissue Culture & Nuresry Pvt. Ltd	●	○	○	○	○	○
32.	Indo-us Bio-Tech Pvt Ltd	○	○	○	○	○	●
33.	Indus Tissue Technologies	●	○	○	○	○	○
34.	Ishan Biotech	○	●	○	○	○	○
35.	Jaiveek Agro Biotech Pvt. Ltd.	○	○	●	○	○	○
36.	Kutch Crops Services Ltd.	●	○	○	○	○	○
37.	La Chandra Bioscience Pvt Ltd.	●	○	○	○	○	○
38.	Maize Products Ltd.	○	○	○	●	○	○
39.	maxEema Biotech Pvt. Ltd.	○	○	●	○	○	○
40.	Nano Agro Science Co-operative Society Ltd.	○	●	●	○	○	○
41.	Navkar Hybrid Seed Corporation Pvt. Ltd.	○	○	○	○	●	○
42.	Navya Agricose Pvt. Ltd.	●	●	●	○	○	○
43.	Neel Agrotech Pvt. Ltd.	○	○	○	●	○	○
44.	Neesa Agritech & Foods Ltd.	●	○	●	○	○	○
45.	Nico Orgo Manuares	○	○	●	○	○	○
46.	Pac Bio Fungbact	○	○	●	○	○	○
47.	Phyto Concentrates	●	●	●	○	○	○

Sr. No.	Name of Companies	Agri-Biotech Products					
		Tissue Culture	Biofertilizers	Bioinsecticides, Biolungicide, Growth Promoters	Herbal Products	Hybrid Seed	Others
48.	Prasad Biotech	○	○	○	○	○	○
49.	Pruthvi fertilizer Pvt Ltd.	○	○	○	○	○	○
50.	Redox Agro-tech Pvt. Ltd.	○	○	○	○	○	○
51.	Reva Agro-tech Pvt Ltd	○	○	○	○	○	○
52.	Sarjan Biotech Pvt Ltd.	○	○	○	○	○	○
53.	Scorpion Biotech Co.	○	○	○	○	○	○
54.	Shaili Biotech Pvt. Ltd	○	○	○	○	○	○
55.	Shradhdha agritech Industries	○	○	○	○	○	○
56.	Shrunik Biotech Pvt. Ltd.	○	○	○	○	○	○
57.	Siddhi Plantek	○	○	○	○	○	○
58.	Sikko Industries Ltd.	○	○	○	○	○	○
59.	Solar Agrotech Pvt Ltd	○	○	○	○	○	○
60.	Sphere Bio-Arc Pvt. Ltd.	○	○	○	○	○	○
61.	Sun Agrigenetics Pvt. Ltd.	○	○	○	○	○	○
62.	Suraj Crop Sciences Pvt. Ltd.	○	○	○	○	○	○
63.	Vaishnavi Biotech Ltd.	○	○	○	○	○	○
64.	Vitrogold Tissue Culture Pvt. Ltd.	○	○	○	○	○	○

Agriculture Biotechnology

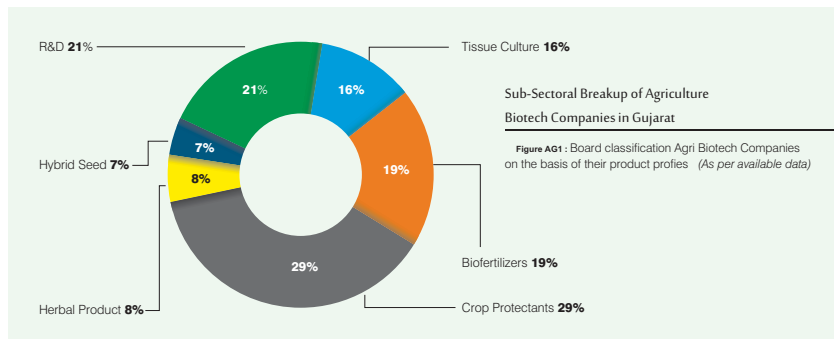
Agriculture in India has an extensive background dating back to many centuries. India holds the second largest agricultural land in the world comprising 179.9 million hectares. A majority of the Indian population relies on agriculture for employment and livelihood. Agriculture accounts for 14 per cent of gross domestic product (GDP) and about 11 percent of India's total exports. Maharashtra, Madhya Pradesh, Chhattisgarh, Jharkhand, Andhra Pradesh etc. are some of the major agricultural states of India, led by Gujarat.

Today 63% of the population of Gujarat lives in rural areas and depends for its livelihood on agriculture and the rural non-farm sector that is interlinked with agriculture. Over the past decade, Gujarat has made rapid progress in agricultural production and processing, mainly due to assured irrigation and scientific water management. The state has often recorded double-digit growth in the farm sector, even as the national growth rate averaged around 3-5%. Besides being the epicenter of the country's White Revolution that made India the largest milk producer in the world, it's also known for production of commercial crops such as cotton, oilseeds (groundnut, rapeseed/mustard, sesame, castor, etc) and seed spices. Often termed as an 'Agrarian Miracle', Gujarat has been considered as the pioneer of the Green Revolution in our country, causing it to stand out as a role model for other states as well for India in terms of food security and agro-economic growth.

Several factors have contributed to this success: from technological success of BT cotton to check dams recharging groundwater, to Narmada waters, 'Jyotigram' giving regular and reliable power supply in rural areas, Krishi Mahotsav which transformed the Agri-extension landscape, ever-flourishing dairy sector and well connected, good quality roads in rural areas.

It is becoming increasingly difficult to meet the demands of the continuously rising population, especially on account of loss of arable land due to rapid industrialization and use of certain crops as bio-fuels. Biotechnology can help bridge the gap between supply and demand by providing simple yet unique and innovative ways to control pests, improve soil fertility, improve crop yield in terms of quantity as well as quality etc. With the growing number of dedicated R&D centers invested in Agri-biotech research and enhanced clarity on IPR issues, the country at large and Gujarat in particular, can harness the diverse agro climatic topography to play a significant role in the Agri-biotech sector. The major thrust areas of the corporate players in Gujarat Agri-biotech industry include tissue culture, bio-fertilizers and bio-pesticides and Agri-related services.

Out of the 64 Agriculture Biotechnology Companies in Gujarat, 17 are involved in tissue culture, 20 produce biofertilizer, 30 produce crop protectants like bioinsecticides/ biofungicides, 9 are involved in the production of various herbal products (organic dyes, natural bio-extracts and other agro products), 7 produce and supply/market hybrid seeds and 22 are R&D and/or service-providing companies.



Agriculture biotechnology in Gujarat is represented by major companies like GSFC, Cadila Pharma-Agro Division, Gujarat Life Science Pvt. Ltd., etc. Out of these 63 companies, 5 have their shares listed on the stock market and there by offer their securities for sale to the general public. Such companies, called 'listed' or 'quoted' companies, which includes Cadila Pharmaceutical Ltd., Excel Cropcare Ltd., Godrej Agrovet Ltd. (GAVL), Gujarat State Fertilizers & Chemicals Ltd. (GSFC), Gujarat Narmada Valley Fertilizers and Chemicals Ltd. (GNFC).

Revenue Profile

The total turnover of Agriculture Biotechnology Companies in 2013-14 is 834 Crores (As per available data).

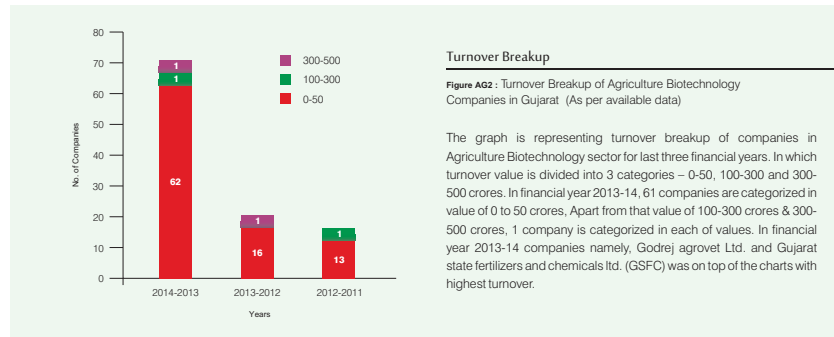
Sr.No.	Company	Revenue (INR Crores) (2013-14)	Sr.No.	Company	Revenue (INR Crores) (2013-14)
1	ABC Agrobiotechnology Pvt. Ltd.*	3.9	17	Drishti Biotech Pvt. Ltd.*	2.8
2	Abellon Agrisciences*	43.7	18	Excel Cropcare Ltd.*	31.5
3	AgriLand Biotech Ltd.*	7.9	19	Farm Biotech Pvt. Ltd.*	0.9
4	Algene Biotech*	1.0	20	Forest Herbal Research*	0.3
5	Amines Biotech Pvt. Ltd.*	0.0059	21	Geeta Biotech*	0.2
6	Arcadia Agro*	8.0	22	Glarion Agri bio-tech Pvt. Ltd.*	0.3
7	Asia Green BioCrops Science*	0.5	23	Godrej Agrovet Limited (GAVL)*	360.0
8	Aumgene Biosciences Pvt. Ltd.*	5.0	24	Greenfield Biotech*	0.5
9	Aura Herbal Textiles Ltd.*	8.0	25	Gujarat Bio Organics Pvt. Ltd.*	0.5
10	Avalanche Associate*	0.6	26	Gujarat Eco Microbial Technologies Pvt Ltd*	3.0
11	Arihant BiofertiChem Pvt Ltd.*	0.25	27	Gujarat Lifescience Pvt. Ltd.*	3.6
12	Biogene Agritech*	0.25	28	Gujarat Narmada Valley Fertilizers Co. Ltd.*	220.3
13	Cadila Pharmaceutical Ltd. (Agro Division)*	12.9	29	Gujarat State Fertilizers & Chemicals Ltd.*	1.52
14	Carrag SeaVeg Pvt. Ltd.*	0.1	30	Gujarat State Seed Corporation Ltd.*	4.5
15	Chinmay Raj Biotech Pvt. Ltd.*	0.9	31	Hybriteck Tissue Culture & Nursery Pvt. Ltd*	0.2
16	Cippy Biointernational*	0.6	32	Indo-US Biotech Pvt. Ltd.*	0.1

Sr.No.	Company	Revenue (INR Crores) (2013-14)	Sr.No.	Company	Revenue (INR Crores) (2013-14)
33	Indus Tissue Technologies*	1.0	49	Pruthvi Fertilizers Pvt. Ltd.*	8.6
34	Ishaan Bio*	12.9	50	Redox Agro-tech Pvt. Ltd.*	8.5
35	Jaiveek Agro Biotech Pvt. Ltd.*	0.1	51	Reva Agri Bio-Tech Pvt. Ltd.*	1.0
36	Kutch Crops Services Ltd.*	5.0	52	Sarjan Biotech Pvt Ltd.*	2.5
37	La Chandra Bioscience Pvt Ltd*	0.5	53	Scorpion Biotech Co.*	0.8
38	Maize Products Ltd.*	0.2	54	Shaili Biotech Pvt. Ltd.*	8.0
39	maxEema Biotech Pvt. Ltd.*	10	55	Shradhdha Agritech Industries*	0.4
40	Nano Agro Science Co-operative Society Ltd.*	0.3	56	Shrunik Biotech Pvt. Ltd.*	4.0
41	Navkar Hybrid Seed Corporation Pvt. Ltd.*	3.5	57	Siddhi Plantek*	5.0
42	Navya Agricose Pvt. Ltd.*	0.1	58	Sikko Industries Ltd.	10.0
43	Neel Agrotech Pvt. Ltd.*	3.0	59	Solar Agrotech Pvt Ltd*	0.3
44	Neesa Agritech & Foods Ltd.*	10.0	60	Sphere Bio-Arc Pvt. Ltd*	1.0
45	Nico Orgo Manuales*	1.5	61	Sun Agrigenetics Pvt. Ltd.	1.6
46	Pac Bio Fungbact*	3.3	62	Suraj Crop Sciences Pvt. Ltd.*	0.1
47	Phyto Concentrates *	0.6	63	Vaishnavi Biotech Ltd.*	2.0
48	Prasad Biotech*	1.0	64	Vitrogold Tissue Culture Pvt. Ltd.*	2.0
	Total			834	

Table AG1: Turnover of Agriculture Biotechnology Companies in 2013-14

*Estimated Biotechnology turnover derived from a) RBI estimation, b) MOU of Commissioned Projects

*Turnover of Biotechnology Business only as per communicated by telephonic discussions & companies' Annual Reports



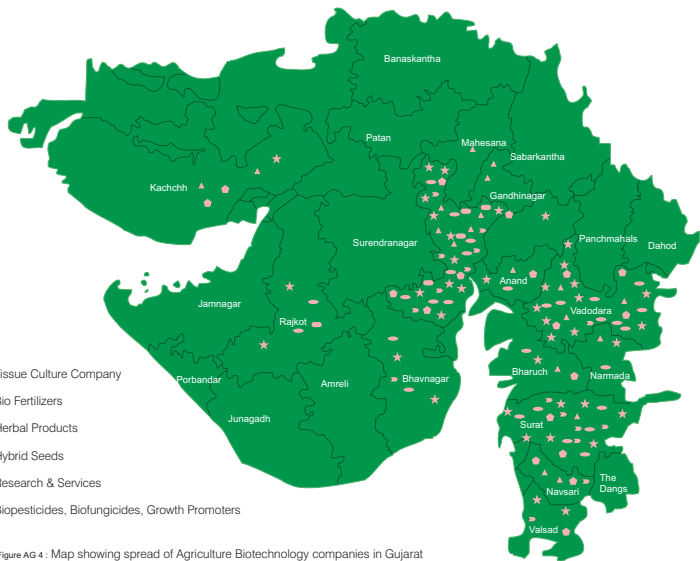



Figure AG 4 : Map showing spread of Agriculture Biotechnology companies in Gujarat

Sr. No.	AG : 1		
Company Name	ABC Agrobiotechnology Pvt. Ltd.		
Address	347-744, Sardarnagar Industrial Co-Op. Society Estate, Village-Chhapara, Ahemdabad - 387130		
Contact Person	Mr. Mihir H. Pandya Mr. Jay G. Vadi Mr. Mangalan S. Nusurhame		
Designation	Director		
Phone	+91-9825009848		
Fax	—		
E-mail ID	—		
Website	—		
Type of Organization	Private Limited		
Sector Activities	Tissue Culture		
Founding Year	14th Nov, 2011		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	3.9
Key Products/Services	Products: Plant tissue culture: Banana, Pomegranate, Teak, Bamboo		
Manpower	Total No. of Employees - 20		
Future Plans	Plant tissue culture of lime and lemon		
New Technology	All Plant tissue culture protocols are self-developed		


Sr. No.	AG : 1		
Company Name	Abellon Agrisciences <i>Abellon Agrisciences</i>		
Address	Abellon Agrisciences Limited, Sydney House, Premchand Nagar Road, Bodakdev, Ahmedabad - 380054, India		
Contact Person	Mr. D.P Mishra		
Designation	Sr. Manager		
Phone	79-66309332		
Fax	79-66309334		
E-mail ID	www.abelloncleanenergy.com		
Website	—		
Type of Organization	Private Limited		
Sector Activities	Manufacturer and service provider		
Founding Year	—		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	20.4	36.76	40.37
Key Products/Services	Products : Soil and Plant nutrition : Banana Gold, Sampoorna, Swarnim, Evaim, Oakcy, Mr. Prontos (earth Essentials) Growth Factor : Tracino, Rutaze Plant Protection : Kacrocin, Squam, Kitofaz -H, Empedo -V, Bronocin, Mykosin Adjuvant : Adzovant Plant Tissue culture : Banana and Bamboo		
Company Profile (150-200 Words)	Abellon Agrisciences is a part of Abellon Group, which mainly operates in the domains of clean energy and sustainable agriculture. Abellon Agrisciences aims at achieving a transformation in the current agricultural scenario through a long-term sustainability led approach. Abellon's model of sustainable agriculture is based on certain key principles including:		

Company Profile (150-200 Words)	<ul style="list-style-type: none"> Enhancing yield and productivity by promoting progressive agricultural practices Creating a sustainable and inclusive growth model involving farmers, experts and the government, leading to larger social change and progress Supporting the cause of a 'Clean and Green Environment' <p>In its endeavor to promote ecologically sustainable agriculture, Abellon emphasizes on research, education and policy interventions, with a specific focus on:</p> <ul style="list-style-type: none"> Applied Crop Sciences including tissue culture, plant genomics, study of plant growth hormones and regulators, experimental trials with various species, improved methods of applying fungicides and pesticides as well as efficient agronomy practices. Applied Soil Sciences including issues like soil enrichment, soil nutrients and balancing, reduction of salinity, balancing acid and alkali, pH balancing, TDS reduction, maximum yield as well as optimum utilization of the available land. Technological interventions, R&D for better agronomy practices Conservation of natural resources and environment
Manpower	Total No. of Employees - 103 Ph.D. - 1 MBA - 10 Post Graduates - 15 Under Graduates - 77
Recognition/Affiliations/Achievements	<ol style="list-style-type: none"> Abellon Agrisciences Research and Development department is recognized by Department of Scientific and Industrial Research (DSIR), Government of India, Ministry of Science and Technology. Onecert Certification for Mr. Prontos, Banana Gold and Sampoorna -Pelleted Fertilizer MoU with Anand Agriculture University
Collaborations (National)	Educational and Research collaborations : <ol style="list-style-type: none"> Anand Agriculture University Abellon Cleanenergy Ltd Xcelris Genomics
Future Plans	Development of drought and saline tolerant high biomass yielding bamboo plants by tissue culture. Establish gene expression technology and pathway analysis related to salinity and drought tolerance in Prosopis species using next generation sequencing technology. Metagenomics analysis of rhizosphere soil of waste and saline land. Product development for Virus diagnosis and indexing in Banana.


Sr. No.	AG : 3		
Company Name	Agriland Biotech Ltd.		
			
Address	36,Prince, Industrial Estate,Motamotipura 391 520, TA: SAVLI, DIST: Vadodara, Gujarat		
Contact Person	Mr. Ramji Mangukia, Mr. Mukesh Patel		
Designation	Director		
Phone	02667-251296/ 9825073628, 9825305628		
Fax	02667-251596		
E-mail ID	agrilandbiotech@gmail.com / info@agrilandbiotech.com		
Website	www.agrilandbiotech.com/index.htm		
Type of Organization	Limited Company (Closely Held)		
Sector Activities	Manufacturing of Biopesticides, Biofertilizers and insect sex pheromones		
Founding Year	1994		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	7.3	8.4	7.9
Key Products/Services	Products: Biofungicide, Bionematicide, Bioinsecticide, Biofertilizers		
Company Profile (150-200 Words)	<p>Agriland, incorporated as the private limited company in 1994 is now enjoying the status of Limited company. It was promoted by the technocrats with an experience for over 20 years in the area of research and development of environment friendly plant protection products. The promoters, Shri Mukesh Patel and Shri Ramji Mangukia both held the master degree in Agriculture with their specialization in Plant Pathology and Entomology, respectively and acquired the rich experience in the field of Agri-biotechnology prior to the promotion of the company with massive emphasis on Lab-to-Land.</p> <p>Looking to the current need, the company has framed a strategy to add still more unmatched quality products that can be complementary to the present range and to expand production and marketing horizontally so as to achieve faster growth rate.</p>		

	In a nut shell, the major thrust of the company has been on the development of the innovative products for Sustainable Agriculture and Friendly Environment. Thus the company has contributed and is still contributing to the sustained practices in particular and to the country's GDP in general. Registration of their products in Australia, New Zealand, Ghana etc. Contributing to the Foreign Exchange earning of the country.
Collaborations (International)	Enformtech NZ Ltd., New Zealand
Collaborations (National)	<ol style="list-style-type: none"> 1. The Energy Research Institute (TERI), New Delhi 2. Bhabha Atomic Research Centre (BARC), Trombay 3. Indian Institute of Horticultural Research (IIHR), Bangalore 4. Anand Agricultural University, Anand 5. Navsari Agricultural University, Navasari
Manpower	Total No. of Employees - 45 Ph.D. - 1 MBA - 1 Post Graduates - 12 Under Graduates - 21
Recognition/Affiliations/Achievements	<ol style="list-style-type: none"> 1. ISO 9001 :2008 certified 2. IMO control approval to 22 products for use in organic agriculture 3. Rating : NSIC Crisil SE 2B 4. DSIR recognized R&D centre, Conferred by All India Achievers' Foundation, New Delhi 5. Selected award for Best Innovation in Science and Technology by Udyog Bhavan, Government of Gujarat. Considered for the telecast as Leaders of Tomorrow in Agriculture and Food Sectors by Economic Times Channel 6. Selected for three state Level awards Viz. Outstanding MSME Unit, Outstanding Entrepreneur and Best Innovation in Agriculture Sciences.
Future Plans	Since the beginning, the company has been launching a diverse range of products so as to cater to the need of the users. The company is striving hard to launch new products for taking the competitive advantage for some years simultaneously with the horizontal market expansion. The company has already expanded its production capacities and further expansion of the production is in progress so as to synchronize the supply chain in expanded market. Since the people in developed nations are becoming more and more reluctant to take food with toxic residues, the demand for residue free fruits, vegetables and food items is increasing phenomenally. This is the reason; the company is expecting more demand for biopesticides in world market. Looking to this trend, company is all set to grow faster.


	The company has adopted new production technology called Surface Technology for the production of biopesticides. This technology offers world class quality products and huge production capacities. Apart from this, the company has forayed into the expansion of its existing biofertilizers' production capacity and production of Mycorrhiza biofertilizer.
New Technology	Surface Fermentation Technology
Any other details	<p>Unlike chemical pesticides and chemical fertilizers that leave hazardous residues in food channel, company offers eco-friendly agricultural inputs that are much safer to human beings, animals, pets and other useful flora and fauna. Secondly, the company has undergone innovative production technology called Surface Technology which offers products with longer storage life, higher potency, better field efficacies as compared to similar biological products available in the market.</p> <p>Details Of Innovative Technology Adopted:</p> <p>A. Mycorrhiza biofertilizer production through hairy root organ tissue culture technique. This is unique in-vitro technology for production of Mycorrhiza biofertilizer.</p> <p>B. Surface Technology for production of biopesticides offers biological products manufactured through environmentally robust technology called Surface Technology. This is an unique spore production technology which is not found in similar principles manufactured by other companies. For identifying products manufactured through Surface Technology, they print following registered technology logo on products' packing and promote the logo among the users.</p> <p>C. Liquid fermentation Technology for various liquid biofertilizers.</p> <p>D. Developed NoMate LifeTime Insect Sex pheromone system for the management of fruit fly occurring in fruit crops and cucurbit crops.</p> <p>E. Developed Pheromone Impregnation Technology for Insect Sex Pheromone systems for ten different insects occurring in various crops like Cotton, Sugarcane, Okra, Brinjal, Tomato, Chilli, Cabbage, Cauliflotheyr, Rice, Castor, Tobacco etc..</p>

Sr. No.	AG : 4		
Company Name	Algene Biotech 		
Address	A-14, Sainath Society, At & Post - Mandvi, Dist- Surat- 394160, Gujarat, India		
Contact Person	Mr. Balram Patel		
Designation	—		
Phone	+91-9427897841, +91-9426826314		
Fax	—		
E-mail ID	info@foodicine.in, info@algenebiotech.com		
Website	www.foodicine.in, www.algenebiotech.com		
Type of Organization	Proprietorship Firm		
Sector Activities	Agriculture Biotechnology and Nutraceutical: Manufacturer		
Founding Year	2010		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.5	0.51	1.0
Key Products/Services	Products: Health food supplements, Biofertilizers		
Company Profile (150-200 Words)	<p>Algene Biotech is founded in 2012, with aim to manufacture "NATURAL" nutraceutical & agricultural products. Foodicine is their brand. They are manufacturer of nutraceuticals products in Gujarat, india. their product range includes two divisions : 1. Nutraceutical 2. Agriculture (Biofertilizers and agricultural nutrients products). Algene biotech, has been certified - ISO 22000:2005. The company is developing new brands of its own through retailing as theyll as by supplying bulk product to various buyers. Company's main focus is to develop own market for non-marketed nutraceutical products and build new brand with already marketed nutraceutical products. They also do contract manufacturing for their products.</p>		

	The main objective of company is to Deliver nature's own nutrition to people as Food is the best medicine. The company's commitment is to give the best quality product to its customers – for that they get tested their product from well recognised international and national laboratories. Mission Statement : To develop, manufacture and market NATURAL health supplement/food products that complies with international quality standards.
Manpower	Total No. of Employees: 15
Recognition/Affiliations/Achievements	ISO 22000:2005 certified
Future Plans	To develop own market for known marketed nutraceuticals products and build new brands with already marketed nutraceuticals products.
New Technology	Humic acid extraction method from spirullina.
Any other details	Currently, the company is setting up GMP manufacturing facility to provide export quality spirulina powder and capsules.

Sr. No.	AG : 5
Company Name	Amines Biotech Pvt. Ltd. 
Address	103-104, Galaxy Complex, 16 / Vishwas Colony, B/H National Plaza, R. C. Road, Vadodara, Gujarat - 390 007, India
Contact Person	Mr. Ketan Mehta
Designation	CEO
Phone	9953355871, 9723724442, 9723707340, (265)-2342208, (265)-2342642
Fax	91-265-2337588
E-mail ID	marketing@aminesbiotech.com, aminesbiotech@aminesbiotech.com, aminisbiotech@eth.net
Website	www.aminesbiotech.com
Type of Organization	Private Limited

Sector Activities	Manufacturer		
Founding Year	2003		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.0059	—	1
Key Products/Services	Products: Herbal Extracts, Essential Oils, Flavors and other Herbal Products, Water Treatment Formulated products, Specialty Chemicals for Water Treatment/Aroma Chemicals/ Cosmetics & Toiletries/Food Additives & Healthcare & Bio-organics Nutraceutical Formulated products.		
Company Profile (150-200 Words)	Amines Biotech Pvt. Ltd. offers wide range of Herbal Extracts, Essential Oils, Flavors and other Herbal Products, Water Treatment Formulated products, Specialty Chemicals for Water Treatment/Aroma Chemicals/ Cosmetics & Toiletries/Food Additives & Healthcare & Bio-organics Nutraceutical Formulated products. They also offer products like Basic Chemicals & Dyestuffs, Pharmaceuticals Raw Materials & Minerals through their Trading Division. Besides manufacturing, they are also engaged in the activity of technology transfer in waste water management on turnkey basis. Employed with team of highly experienced chemists & technocrats, they are able to offer a range that satisfactorily meets the clients' requirements.		
Manpower	Total No. of Employees: 15		

Sr. No.	AG : 6
Company Name	Arcadia Agro 
Address	23 Maruti Complex, Opp. Swaminarayan Nagar, Vadodara, Gujarat, India - 390 002
Contact Person	Mr. Aditya B. Shah
Designation	Managing Director
Phone	0265-2774884, 9227733911, 9227140315
Fax	0265-2774921

E-mail ID	arcadia@arcadiaagro.com		
Website	www.arcadiaagro.com		
Sector Activities	Tissue culture		
Founding Year	2002		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.4	6.0	8.0
Key Products/Services	Products : Plant tissue culture: Banana, Gerbera & ornamental plants		
Company Profile (150-200 Words)	<p>Arcadia Agro specializes in generating the best disease-resistant and high yield plant varieties. They are a leading Plant Biotechnology company specializing in hybrid Gerbera & Carnation flowering plants through Tissue Culture Technology.</p> <p>Responding to a changing agricultural world, where plant life and invulnerability are of prime importance, each of their products is the outcome of an effort to conserve nature's precious resources through substitution or value addition. Capitalising on their tested plant tissue culture technology, they have become highly specialised in the field of Floriculture and over time, have successfully established themselves in the Indian market and, exporting to various countries around the world.</p>		
Manpower	Total No. of Employees: 125		
New Technology	<ol style="list-style-type: none"> 1. Isreal-based technology for tissue culture 2. New Portugese technology for invitro and invivo culturing of Gerbera 		

Sr. No.	AG : 7
Company Name	Arihant Bio Fertichem Pvt Ltd
Address	Paras Chowkdi, Near Prime Industries, GIDC, 5144, 4th South Rd, Ankleshwar GIDC, Ankleshwar, Gujarat 393001
Contact Person	Mr. Bhavesh R. Patel
Designation	MD

Phone	098790 13751		
Type of Organization	Private Limited		
Sector Activities	Manufacturer , Importer, Supplier		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.25
Company Profile (150-200 Words)	<p>Arihant Bio Fertichem Pvt. Ltd., established in the year 2007, they are one of the leading manufacturers, importers and suppliers of nitro benzene, calcium nitrate, potassium chloride, seaweed base granules, micronutrient fertilizers, etc. It is an ISO 9001:2008 and ISO 14001:2004 certified organization and one of the eminent manufacturers, importers and exporters of a comprehensive array of fertilizers, soil conditioners & plant growth promoters. Products of Arihant Bio-Fertichem Pvt. Ltd. are formulated using superior quality raw materials. Under the able guidance of their mentor Mr. Bhavesh R. Patel, Arihant Bio-Fertichem Pvt. Ltd has witnessed extraordinary growth in the last few years. Their growing clout and goodwill in the industry is also attributed to the team of competent professionals, which is committed to fulfill organization's core goals and objectives. Their production process, quality management exercise and other operations are carried out as per set industry guidelines. Arihant Bio-Fertichem Pvt. Ltd. is engaged in offering fertilizers which are formulated using scientific techniques and quality approved ingredients. Arihant Bio-Fertichem Pvt. Ltd products are renowned for their eco-friendly nature, non-toxicity and accurate composition that facilitate high yield of crops.</p>		
Manpower	Total No. of Employees: 25		


Sr. No.	AG : 8
Company Name	Asia Green Biocrops Science
Address	No. 32, Saibaba Shradha Society, Near Choksywadi, New Rander Road, Surat - 395009, Gujarat
Contact Person	Dr. Jitendra Patel
Designation	Chairman



Phone	9429419595,261-2782929		
Website	www.asiagreenbiocrops.com		
Type of Organization	Limited Company		
Sector Activities	Manufacturer and Exporter		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	Products: Bio organic formulation: Bio-pesticides, Bio-fertilizers		
Company Profile (150-200 Words)	Asia Green Bio Crops Sciences, which originated under the supervision of Dr. Jitendra Patel, is a company that preaches honesty to its core. Company's operations are in the field of biofertilizers, biofertilizers and bio-organic solutions.		
Manpower	PG - 1 UG (Diploma) - 1		
Recognition/Affiliations/Achievements	Supply of bio-fertilizers to Africa, on a trial basis		
Future Plans	Establishment of collaboration with Okha		

Sr. No.	AG : 9
Company Name	Aumgene Biosciences Pvt. Ltd
Address	8201/5, Road No. 8, GIDC Sachin, Surat, Gujarat
Contact Person	Mr. Anand Daga
Designation	Managing Director
Phone	9825062475
Fax	91-261-2399409

E-mail ID	admin@aumgene.com		
Website	www.aumgene.com		
Sector Activities	Manufacturer & Contract Research		
Type of Organization	Private Limited		
Founding Year	2004		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5
Key Products/Services	Products : Enzymes, Bioinoculants Services : Contract Research		
Company Profile (150-200 Words)	Aumgene Biosciences Pvt. Ltd. is a research driven biotech company based in Surat, India. The company has been formed with the primary objective of bringing innovative biotech products to the market through non-infringing research in biosciences. It undertakes development, manufacturing and marketing of agribiotech, industrial & speciality enzymes & recombinant protein products. They also offer a wide range of contract research & fermentation / manufacturing services to pharmaceutical, biotechnology and related companies. A multi-disciplinary team of scientists, managers and engineers work on various biotech products / molecules at Aumgene's DSIR approved R&D facility in Surat. The company's R&D facility is equipped with a state-of-the-art infrastructure for product and process development of various biological products. The company also has a fully equipped pilot and production scale fermentation facility.		
Manpower	Total No. of Employees: 28		
Recognitions/ Affiliations/Achievements	The R&D center has received the recognition of Department of Scientific and Industrial Research (DSIR) by the Government of India.		

Sr. No.	AG : 10
Company Name	Aura Herbal Textiles Ltd. 
Address	69, N.I.D.C., Nr. Stovec Industries, Lambha, Post: Narol, Ahmedabad, Gujarat- 382 405

Contact Person	Mr. M L. Baid		
Phone	9979432113, 079 - 25711685		
Website	079-25714232		
E-mail ID	mlbaid@auraherbaltheyar.com		
Website	www.auraherbaltheyar.com		
Type of Organization	Limited Company		
Sector Activities	Manufacturer		
Founding Year	2001		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	8.0
Key Products/Services	Products: Organic Herbal dyed Cotton Yarn, Fabrics, Cotton Knit, Totheyis, Silk & Organic Herbal		
Company Profile (150-200 Words)	<p>Aura Herbal Textiles Ltd. offers options to each and every user to choose a herbal dyed textile over chemical dyed one, with no limitations to design, quantity and quality.</p> <p>Aura Herbal Textiles Ltd. is certified by Global Organic Textile Standard (GOTS) for their all natural/herbal dyeing process. Certified organic fabrics, textiles and yarns are used as the raw material. Dyeing, weaving and printing is done under keen supervision to maintain quality standards. Dyeing of fabrics up to 120" width has been achieved. Even lengths of up to 1000 meters in different fabrics like voile, poplin, twill, flannel, corduroy, denim, knits, silks is now achieved at Aura. Aura Herbal Textiles Ltd. has a beautiful color palette of earthy shades & various prints, ensuring no waste is generated. All the solid & liquid waste is used as manure for irrigating their farms.</p>		
Collaborations (National)	The Company has a Joint Venture with Gujarat Biotechnology Venture Fund formally known as GVFL		
Manpower	Total No. of Employees: 7		
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> 1. Aura Herbal Textiles Ltd is certified by Global Organic Textile Standard (GOTS) for their all natural/herbal dyeing process 2. Global Organic Textiles Standard Certified 3. Organic Certification Agency USA 		

Future Plans	To expand their business venture around an innovative process of producing herbal textiles and dyes. Thus, they help in preventing global warming and pollution related to textiles. Soon, they plan to enter domestic retail market too.
New Technology	Process patented for herbal dyeing using medicinally rich herbs

Sr. No.	AG : 11		
Company Name	Avalanche Associate 		
Address	Rajnagar, P.O. Timba, Ta- Savli, Vadodara, Gujarat - 388710, India		
Contact Person	Mr. Dhaval Ray		
Designation	Director		
Phone	+(91)-9978911352		
Fax	2667-264305		
Sector Activities	Manufacturer		
Founding Year	2012		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.5	0.55	0.6
Key Products/Services	Products: organic fertilizers, biopesticides, larvicides, micronutrients, biofertilizers, foliar spray fertilizers, humic acid, sea-weed extract, micronutrient fertilizers		
Company Profile (150-200 Words)	<p>Avalanche Associates are a leading organization, involved in manufacturing, exporting as well as wholesale supply of a wide array of plant growth Promoter, soil conditioner, bio-insecticides, bio-larvicides, biofungicides, growth stimulants, soil conditioners etc. These products find application in agriculture fields to provide nutrition to crops, protect them against various disease, etc. Precisely processed by their skilled professionals making use of utmost-grade ingredients and ultra-modern technology, their offered products are guaranteed of their quality. For rigorously adhering to the set industry norms, they strictly test these products on well-defined norms of quality.</p>		

Manpower	Total No. of Employees - 11/25 Post Graduates - 3
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Sr. No.	AG : 12		
Company Name	Biogene Agritech 		
Address	801, Milestone Building, Near Drive-In Cinema, Thaltej Ahmedabad - 380 054, Gujarat, India		
Contact Person	Dr. Pranjivan Zaveri		
Designation	CEO		
Phone	+(91)-(79)-29098784, +(91)-9824258961		
Fax	40051894		
Sector Activities	Manufacturer		
E-mail ID	biogenepz@gmail.com		
Website	www.biogeneagritech.com		
Type of Organization	Private limited		
Sector Activities	Services Provider		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.25
Key Products/Services	Products: Hybrid seeds: Pigeonpea, Cotton, Castor, Pearl millet (Bajra)		
Company Profile (150-200 Words)	Biogene agritech is specialized in research, production and marketing of high quality hybrid seeds of Pigeonpea, Cotton, Castor, Pearl millet (Bajra) for commercial crop planting. Their focus is on genetic enhancement of performance of hybrids with inbuilt resistance to biotic and abiotic stresses. They also developed improved varieties in Pigeonpea (tur), Mustard and Cumin (Jeera).		


Sr. No.	AG : 13		
Company Name	Cadila Pharmaceutical Ltd. (agro Division) 		
Address	Cadila Pharmaceuticals Ltd., Agro Division, IRM House, Nr. Sardar Sewa Samaj, Off C.G. Road, Ahmedabad Plant Address : Cadila Pharmaceuticals Limited (Agro Division), 755, Prakruti Farm, Hirapur, Mahemdabad Road, Tal. Daskroi		
Contact Person	Dr. Geeta Patel, Ms. Namita Divyang Oza, Mr. Shishir Srivastava		
Designation	Head of Agro Business, Deputy manager, Assistant Manager		
Phone	079-26562615, 9879010580, 9727403306, 91-2718245260, 245755		
Fax	91-2718-245495		
E-mail ID	shishir.s@cadilapharma.co.in, dmrimita.Oza@cadilapharma.co.in, agro@cadilapharma.co.in		
Website	www.agro.cadilapharma.com		
Type of Organization	Limited Company		
Sector Activities	Manufacturer/ Exporter/ R & D		
Founding Year	1992		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	12.9
Key Products/Services	Products: Tissue culture products- Banana, Teak, Pointed Gourd, Sugarcane, Foliages for domestic and International Markets Biofertilizers/Bioformulations- Mycorrhiza, Aspergillus, Aminoacids, Humic Acid, Plant growth promoter, sticker Services- After sales services related to agronomy, plant protection and market of products		
New Products Launched	Introduced a non-toxic and environmentally safe product under the Brand name "Mentor", 2011		
Company Profile (150-200 Words)	Cadila Agro-Division today is Asia's most reputed and preferred company when it comes to production and supply of quality Bio-Formulation based on Mycorrhiza and Aspergillus niger. They also specialize in common liquid growth promoter based on Gelatin derived Amino Acid, Humic Acid, multi activity growth promoter, natural postash (14%) for over all health , Brassinolide-based plant activity enhancer, non-ionic surfactant a sticking agent etc.		

	The company's vision is to up-lift the rural community of Gujarat and the Nation as a whole by providing high quality farming inputs to the farmers. Today, Cadila happens to be the major institutional supplier of the above products in various states in India. The company is confident about its quality products and excellent customer services and foresees a high level of growth in technology benefiting the rural India
Collaborations (International)	Membership of IFOAM (International Federation for Organic Agriculture Movement), Germany
Collaborations (National)	Department of Biotechnology (DBT), Ministry of Science and Technology, New Delhi, Government of India
Manpower	Total No. of Employees: 300
Recognition/Affiliations/Achievements	<ol style="list-style-type: none"> 1. Certified as "Approved for use in organic agriculture" by "INDOCERT" Aluv, 2005 2. Launched Seed raised papaya, 2005 3. Established 3 new hardening centers in Gujarat, 2007 4. Launched Tissue culture raised Pointed Gourd, 2008 5. Established a hardening center in Utter Pradesh, 2008 6. Launched Humic acid based Root boosters in Powder and Liquid formulations-CadGrow, 2009 7. Accreditation from DBT, 2009 8. Launched Tissue culture raised Sugarcane, 2009 9. Launched Trichoderma Biofungicide - CadTricho, 2009 10. Launched Tissue culture raised Teak, 2009 11. Launched Tissue culture raised Spine Gourd, 2009 12. Launched Root boosters in Tablets, Powder and Liquid formulations, 2009 13. Established 8 new hardening centers at Maharashtra, UP, Tamilnadu, Chhattisgarh and Karnataka, 2009 14. Launched Brassinolide based growth promoter -Cadmore, 2010 15. Launched AmiCAD a protein hydrolysate nutrient supplement formulation, 2010 16. Launched CAD OK a botanically derived potash that supports growth of soil microorganisms, 2010 Launched CADStick, a unique non-ionic surfactant with zero toxicity, 2010 17. Launched CADMore, Plant based Brassinolide' plant activity enhancer, 2010 18. Launched CADAloo Selected Potato Tubers derived from multiplying tissue cultured plants in the field for limited generation, 2011 19. Launched Red Pearl, Bhagwa variety of Pomegranate TC plants, 2011 <p>Launched sulphur based 'Mentor' in liquid formulation - a plant nutrient mobilizer and output quality improver</p>

Future Plans	New products in agricultural crops, horticultural crops and in forestry, Tissue culture for orange and guava		
Sr. No.	AG : 14		
Company Name	Carrag Seaveg Pvt. Ltd.		
Address	C-103, Kaliyabid, Bhavnagar-364002		
Phone	91-278-2470016/ 9824804982		
Fax	91-278-2570075		
E-mail ID	carragseavegpltd@gmail.com		
Type of Organization	Private limited		
Sector Activities	Exporter		
Founding Year	2005		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.1
Key Products/Services	Products: Exporters Of seaweeds, food additives, micro- and macro-algae, biodiesel, spirulina		
Manpower	Total No. of Employees: 10		

Sr. No.	AG : 15		
Company Name	Chinmay Raj Biotech Pvt. Ltd.		
Address	608, Milestone Building, Near Drive-in Cinema, Drive-in Road, Ahmedabad - 380054, Gujarat , India		
Contact Person	Mrs. Swati Mehta		

Designation	Director		
Phone	+91-9825005092, 91-79-40053080/26751029		
Fax	91-79-26745506		
E-mail ID	swatimehta9@indiatimes.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer / Exporter		
Founding Year	1992		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.9
Key Products/Services	Products: Agrochemicals, Biopesticide		
Manpower	Total No. of Employees - 50 Ph. D. - 1 MBA - 1 UG - 1		

Sr. No.	AG : 16		
Company Name	Cippy Biointernational 		
Address	602, Corporate Tower, Nr. Parimal Crossing, Ellisbridge, Ahmedabad		
Contact Person	Mr. Chandrakanth Sheth/ Mr Viren Sheth		
Designation	Chairman, Managing Director		
Phone	079-26461462/64-26461894, 9227252445/6		
Fax	079-26461894		
E-mail ID	info@cippybio.com, cippybio@gmail.com		
Website	www.cippybio.com/cippy/testimonials		

Type of Organization	Proprietary		
Sector Activities	Manufacturer/Service Providers		
Founding Year	1983		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.6
Key Products/Services	Products: Bio-fertilizer & Bio-pesticide		
Company Profile (150-200 Words)	Cippy Bio-international is strategically poised to deliver some rare and innovative solutions to the Farmers and Eco-World by expanding its reach globally in these years, in the times of environmental threats and challenges. The revolution already initiated by Cippy is a rare solution to the agri and eco world today. Presently Cippy manages their operations from their corporate office at Ahmedabad.		
Manpower	Total No. of Employees : 15		
Recognition/Affiliations/Achievements	Cippy Products are approved inputs for Organic Agriculture as approved by ECOCERT, SA		
Future Plans	<p>Cippy's first and foremost bond is Farmer and Environment. And this bond is unbroken, strengthening consistently and aggressively towards a healthy and happy agriculture era. Their aim is to provide beneficial, multiple active, efficient, less expensive eco-products. At the same time, they are marching towards being an eco friendly company in times of environmental threats and challenges. They pain on expanding their operations and look out for new horizon in India as well as other part of the world to penetrate their approved inputs for organic agriculture.</p> <p>Establish new bio-fertilizer & bio-pesticide & tissue culture unit: Their plan is to work with different type of microorganisms like Trichoderma Sp., Beauveria bassiana, Verticillium licanii, Metarhizium anisopliae, Paecilomyces lilacinus Bacillus Sp., Pseudomonas fluorescens, Paenibacillus popillia, Azospirillum Sp., Azotobacter Sp., Rhizobium leguminosarum etc. and develop different types of eco-friendly products using them.</p>		
Any other details	With biotech research, this company started its journey towards the next Green Revolution. Cippy, along with their associates dedicate themselves to the service of mankind.		

Sr. No.	AG : 17		
Company Name	Drishti Biotech Pvt. Ltd. 		
Address	107 & 108, Sundaram Arcade, Opp. CIMS Hospital & Shukan Mall, Science City, Sola, Ahmedabad - 380060, Gujarat, India		
Contact Person	Mr. Rakesh Kumar Jha		
Designation	CEO		
Phone	91-9925460308,91-9979848512 91-79-26751029		
Fax	91-79-26745506		
E-mail ID	group@drishtibiotech.com		
Website	www.drishtibio.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer, consultancy and supplier, service provider		
Founding Year	2008		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	2.8
Key Products/Services	Products: Biopesticides, plant growth promoters, seeds of field crop and vegetables, agricultural commodities. Services: Contract Farming, farm management, crop management for farmers, market promotion and management advisory for corporate companies in agribusiness, project preparation and execution on behalf of clients in agribusiness sector, bulk procurement of commodities from farmers, seed production, organic farming and others.		
Manpower	Total number of employees: 29 (Technical manpower)		

Company Profile (150-200 Words)	<p>Drishti Biotech Pvt. Ltd. was incorporated in 2008 by Mr. Rajesh Jha, Chairman & Managing Director, and Mr. Rakesh Jha, CEO, to provide a one stop solution to the Indian agribusiness and farming. The company provides agri inputs like biofertilizers, bio-pesticides, agrochemicals, seeds and agri commodities like food grains, pulses, spices and oil seeds with professional agri business and farm consultancy. The company is headquartered in Ahmedabad, Gujarat.</p>
Collaborations (National)	<ol style="list-style-type: none"> 1. Shubham Agribusiness & Financial Solution - Ahmedabad 2. Chinmay Raj Biotech Pvt Ltd- Ahmedabad 3. Scorpion Biotech Company - Ahmedabad 4. Chandel Agribusiness solutions Pvt Ltd- Delhi 5. Ambica Properties- Ahmedabad
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> 1. DBPL certificate of incorporation 2. DBCL certification of Importer-Exporter Code
Future Plans	To offer a complete package to Indian farmers and corporate houses under one roof for their farming and agribusiness needs to make Farming a profitable and sustainable solution of economy.

Sr. No.	AG : 18		
Company Name	Excel Cropcare Ltd. 		
Address	Plot no. 205-209 Bhuj-Mundra Road, Near Kera Village, Taluka : Bhuj, District: Kutch, Gajod-370430		
Contact Person	Mr. Navinkumar		
Designation	Vice President (HRD & Admin)		
Phone	91-22-42522200 / 91-278-2212401		
Fax	079-27544626		
E-mail ID	excelahd@excelcropcare.com		
Website	www.excelcropcare.com		

Type of Organization	Limited Company		
Sector Activities	Manufacturer		
Key Products/Services	Products: Insecticides,Fungicides, Fumigants, theyedicides, Organice Manuares,Organic composer		
Company Profile (150-200 Words)	<p>Excel Crop Care Ltd. was established in 2002 and has risen out of the demerged portfolio of the agricultural products segment of Excel Industries Limited. Today, it has realized its pride of being the 'supplier of choice' by reaching out to millions of farmers in more than 50 countries.</p> <p>Besides solutions in soil health, seed treatment, crop protection, pest management, Excel Crop Care also offers effective post-harvest treatment that has ensured smooth supply and trade in agricultural commodities in many countries. They extend solutions developed through backward integration of technology. Their products and solutions are directed to secure returns for farmers on farm inputs while adhering to the company's policies that aim for environmental safety and sustainability.</p>		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	25.38	28.86	31.5
Manpower	Total No. of Employees: 1200		
Recognitions/ Affiliations/ Achievements	<ol style="list-style-type: none"> 1. DSIR approval for In-house R & D unit, 2003 2. Commercialization of patented process for manufacturing Granular Ammonium Glyphosate - (Mera 71), 2004 3. EPA approval of Imidacloprid Export, for US markets, 2005 4. Development, Production & Launch of Bio-Inoculum for Agri-waste composting-Madhyam, 2005-06 5. Construction of Soil Health Research Lab, 2009-10 6. Fermentation R&D lab for Bio Pesticides Research & production, 2009-10 		

Sr. No.	AG : 19
Company Name	Farm Biotech Pvt Ltd
Address	911, Akshat towers, Opp. Rajpath Club, S G. Highway, Nr Pakwan Dinning hall, Ahmedabad-380054
Contact Person	Mr. B. V. Patel

Designation	Managing Director		
Phone	079-26870924, 079-30471967, 9825038586		
E-mail ID	farmbiotech@yahoo.co.in		
Website	www.farmbioproduct.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer		
Founding Year	1996		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.9
Key Products/Services	Products: Delta and Biofa, The wonder products offered in the brand names of Delta and Biofa stimulate healthy growth of the plant, induces its natural hormone function, increases photosynthesis, and develops antibodies against weeds, fungicide, and diseases.		
Company Profile (150-200 Words)	<p>Farm Biotech was established in August 1996 with the aim of providing products based on bio-technology to the farmers and has made quick strides in the field of development of agricultural yield. Excessive and unrestrained use of synthetic chemicals in the form of chemical fertilizers, pesticides, and crop boosters has become a common practice among farmers in India and many other regions in Asia.</p> <p>The majority of farmers are uninformed and oblivious to the harmful effects and fallout of such practice There is no doubt that synthetic agricultural chemicals have proven disastrous to mankind at large, and have spawned incurable diseases. In such a situation agricultural experts at Farm Biotech have considered it their social responsibility to protect the health of the people by protecting the soil and its yield from these strong synthetic chemicals that are artificially produced. By rigorous pursuit of R&D, the Company has made a remarkable breakthrough in developing its two premium products. (i)Delta (a bio-stimulant) (ii) Biofa (a crop enhancer) in the form of liquid and granules.</p> <p>With willing welcome and acceptance by the farmers, the products have proved their usefulness and efficacy in fulfilling the claims of Farm Biotech. This response and increasing demand has impelled the company to delve deeper into developing different kinds of fertilizers based on organic sources and natural cyclic process to present better alternatives to chemical fertilizers.</p>		

Sr. No.	AG : 20		
Company Name	Forest Herbal Research		
Address	Mangalmurti Complex, Station Road, Mahuva-364290, Bhavanagar, Gujarat		
Contact Person	Babubhai V. Jethwa (Partner)		
Phone	91-2844-223957/+91-9879031639/+91-9429415718/+91-9825135393		
E-mail ID	info@forestherbal.com		
Website	www.forestherbal.com		
Sector Activities	Exporter, Manufacturer, Importer, Supplier		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.3
Key Products/Services	Herbal Pesticides and Fertilizer		
Company Profile (150-200 Words)	Forest Herbal Research is a manufacturer, exporter and supplier of 100% Natural/Herbal Pesticides and Fertilizer. They developed products which are supplementary to the Chemical Fertilizers and pesticides. It works as natural fertilizer and pesticide it protects crop from attack of pest, insects and disease. It works growth promoter and increase crop yield. They established large-scale production processes and facilities that permit us to meet customer needs and ensures best quality and continuous availability of our products. Currently, we are marketing our products through distributors and direct marketing.		
Manpower	MBA - 5 Post Graduates - 5 Biotechnologists - 1 Graduates - 4		

Sr. No.	AG : 21		
Company Name	Geeta Biotech		
Address	Plot No.-440/2, GIDC Industrial Estate, Surat - 394223, Gujarat, India		

Contact Person	Mr. T.N.R.Singh		
Designation	Proprietor		
Phone	9427170797		
E-mail ID	geetabiotech@yahoo.com		
Sector Activities	Manufacturer/Supplier		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.2
Key Products/Services	Products: Agro product, growth promoter, Stevia plantation		
Company Profile (150-200 Words)	Geeta Biotech is a leading manufacturer & supplier of biofertilizers, organic fertilizers, urea.		


Sr. No.	AG : 22		
Company Name	Glarion Agri Bio-tech Pvt. Ltd.		
Address	26, Shreeji Farm Estate. N.H.8, Nr Forest Dept., ASLALI Ahmedabad - 382 427 (Gujarat) India		
Contact Person	Mr. Harshad Paneliya		
Designation	Director		
Phone	079-65421301,097243 50021		
Type of Organization	Private Limited		
Sector Activities	Manufacturer		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.3

Key Products/Services	Products: All type of seeds		
Sr. No.	AG : 23		
Company Name	Godrej Agrovet Limited (gavl) 		
Address	405, Anshi Avenue, B/h Ketav Petrol Pump, Polytechnic Road, Ambawadi, Ahmedabad- 380015, Gujarat, India		
Contact Person	Mr. J. S. Ramani		
Designation	Entrepreneur		
Phone	91-79-40047520		
Website	www.godrej.com/godrej/GodrejAgrovet		
Type of Organization	Limited Company		
Sector Activities	Manufacturer and supplier		
Founding Year	1992		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	243.75	316.5	360
Key Products/Services	Products: Plant growth promoters, pesticides, soil conditioners etc.		
Company Profile (150-200 Words)	Geeta Biotech is a leading manufacturer & supplier of biofertilizers, organic fertilizers, urea.		
New Products Launched	1. 'Dripzyme': special nutrient requirement of horticultural crops, 2011 2. 'Bovino': new-age cattle feed, 2009		

Company Profile (150-200 Words)	Godrej Agrovet Limited (GAVL) is a diversified agribusiness company dedicated to improving the productivity of Indian farmers by innovative products and services that sustainably increase crop and livestock yields. GAVL has interests in animal feed, oil palm plantations, Agri-inputs and poultry etc.		
Collaborations (International)	1. Tyson Foods, USA 2. ACI Group, Bangladesh		
Sr. No.	AG : 24		
Company Name	Greenfield Biotech 		
Address	1234, Ruta Farm near toll booth, Adalaj-kalol highway, Shertha village, Gandhinagar-382423		
Contact Person	Mr. Priyank Shah		
Phone	079-23225077,9924184406		
E-mail ID	priyankshah@greenfieldbiotech.com		
Website	www.greenfieldbiotech.com		
Sector Activities	Manufacturer		
Founding Year	2012		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	Products: Tissue cultured planting material of Robusta, Williams, Mahalakshmi Banana Plants		
Company Profile (150-200 Words)	Greenfield Biotech is located in the capital city of Gujarat (Gandhinagar). In the year 2012, with very strong Biotechnology background they achieved an initial production capacity of 1.5 million plants per annum. The objective of this project is the large scale commercial propagation and distribution of high quality, disease-free, uniform, reliable and cost effective banana plant material based on plant		

Company Profile (150-200 Words)	tissue culture which can be multiplied under a controlled environment, anywhere, irrespective of the season and weather, on a year-round basis and to create new opportunities in global trading for producers, farmers, and nursery owners, and for rural employment without compromising on quality. The partners of M/S Greenfield Biotech have more than 15 wigha of land at Shertha which is about 8 km far from Gandhinagar, which includes 1000 sq.mtrs of fan & pad system greenhouse, 4500 sq.mtrs of nethouse and 600 sq.mtrs of laboratory building.
Collaborations (National)	Biotechnology department of Sardar Patel University

Sr. No.	AG : 25		
Company Name	Gujarat Bio Organics Pvt. Ltd.		
Address	110 Shopper's Plaza, Parimal Chowk, Waghavadi Road, Bhavnagar-364002, Gujarat		
Phone	91-278 2567789/+91-278-2515112/+91-9909919150		
E-mail ID	Sales@gujaratbioorganics.com		
Website	www.gujaratbio.com		
Type of Organization	Private limited		
Sector Activities	Exporter , Manufacturer , Importer , Supplier		
Founding Year	2009		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	Biofertilizers, organic plant protectors, soil conditioners		
Company Profile (150-200 Words)	Gujarat Bio Organics Pvt. Ltd. are a well-known manufacturer, exporter, importer and supplier of high grade organic fertilizers, plantonics granules, plantonicliquids, organic soil conditioners, humic acid granules, seaweed granules, seaweed extracts, amino acid granules, organic micronutrients, organic plant growth promoters, biofertilizers, organic manure and organic plant protectors. These products provide cost-effective, sustainable and eco-friendly solution to agriculture industry.		


Sr. No.	AG : 26		
Company Name	Gujarat Eco Microbial Technologies Pvt.ltd		
			
Address	B/5, Madhur Milan Society, High Tension Line Road, Subhanpura, Vadodara 390 023		
Contact Person	Mr. Bhavesh Patel		
Phone	0265-2391605, 9879580176		
E-mail ID	md@gujarateco.com		
Website	www.gujarateco.com		
Sector Activities	Manufacturer		
Founding Year	2012		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	2.24	2.60	3
Key Products/Services	Products : Biofertilizers, Biopesticides Services : Bioremediation		
Founding Year	2004		
Company Profile (150-200 Words)	<p>Gujarat Eco Microbial Technologies Pvt Ltd (Gujarat Eco) is engaged in the investigation, development, manufacturing and marketing of products based on naturally occurring microorganisms and plant extracts.</p> <p>The products of Gujarat Eco Microbial Technologies Pvt Ltd are compatible with the biosystem and contain naturally occurring microorganisms – principally fungi and bacteria. Their objectives with these products, is to offer an alternative to the users of toxic and dangerous chemical products in each economic sector.</p> <p>Gujarat Eco Microbial Technologies Pvt Ltd's products are based on microorganisms which exist in different biosystems that form their natural environment. These microorganisms are the principal part of their environmental balance. After years of investigation, they have identified the functions of these microorganisms in the studied bio systems and have found that chemical and toxic products can be substituted by their use without changing the natural balance of the biosystem. They are the owners of an industrial production system of these microorganisms through an innovative fermentation process, which is world-wide patented. Therefore, they can offer natural products which do not alter the ecosystem and offer a high efficiency rate in those applications to the different industrial and agriculture production processes.</p>		

Collaborations (International)	Transfer of Technology through FIPB from USA
Manpower	MBA - 1 Post Graduates - 1 UG - 3
Recognitions/ Affiliations/ Achievements	1. NOCA – Organic Input Approval Natural Organic Certification Agency, Pune. 2. GPCB – Consolidated Consent & Authorization

Sr. No.	AG : 27		
Company Name	Gujarat Life Sciences (p.) Ltd.		
			
Address	9, Krishna Estate, Gorwa, Vadodara		
Contact Person	Dr. Arjun Singh Mehta		
Designation	Managing Director		
Phone	+91-265-2285611/3290778		
Faxe	+91-265-2290035		
E-mail ID	admin@glsciotech.com		
Website	www.glsciotech.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer/Research & Development		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	3.3	2.9	3.6
Key Products/Services	Products: Biopesticides, Tricholife, Neem-A-Life (1500ppm), Thrip Thrash, Wonderlife-G, Beaulife, Bioshot, Monoshot, Safe-o-Shine, Nematkiller, Mite-No-Mite, Wonderlife-1		

New Products Launched	Spically horticulture products, organic cleaning agents, organic hand wash
Company Profile (150-200 Words)	<p>Gujarat Life Sciences (P) Ltd. (GLS) was promoted as a joint venture company with the State government for the popularization and promotion of eco-friendly technologies for agriculture and environment. GLS is managed by a team of professional managers and young scientist-entrepreneurs, trained in USA, Japan and Australia. While the strong R&D and technology development core team places GLS above all the average companies, the government association provides a large platform for marketing together with the alliances with leading agro-chemical companies which have helped establish effective market network. The research activities and product application of GLS began in 1995 through the then formed Gangotri Agri Biotech, which was renamed Gujarat Life Sciences in February 2001, under the joint venture with the state government.</p> <p>Areas of Expertise and Focus:</p> <p>Agriculture Biotechnology Division:</p> <ul style="list-style-type: none"> • Novel Nutrition-Biocontrol Consortia cultures - Solid & Liquid Inoculums for seed treatment and application through drip systems for nutrition, increasing productivity & enhancing soil fertility and providing efficient biological control of soil borne diseases. First time development of Consortia Culture Formulations. • All products developed with the R&D and technology of Agricultural University and endorsed by the same. • Wonderlife: based on the same biotech process as above providing a unique Biocomposting solution to various solid wastes. • Re-Life: A unique concept in converting the organic waste lying in the field after harvesting, to beneficial stheirc of nutrients and microflora. • Biological Control Agents: Various Biopesticides and control agents • Tissue Culture and Plantation Projects including specialized medicinal plants and organic farming. • Consultancy for new product development, market survey and establishment, project co-ordination and implementation. <p>Environment Biotechnology Division:</p>
Collaborations (National)	Agricultural Universities, Leading fertilizers and pesticide industries, private firms
Manpower	Total No. of Employees - 45 Ph. D. - 2 MBA - 1 PG - 3 UG - 35
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> 1. DSIR recognized 2. ISO 9001:2008 certified. 3. Organic certifications. At the Leadership Summit's-2012 4. Chairman, Dr. M. H. Mehta was awarded Padma Shri by President of India 5. GLS-all bio-products are 100% organic and certified by ECOCERT

Future Plans	Enzymes, speciality biotech products
Overseas Expansion	New line of fermentation systems and down-stream processing to be established. New microbial lab for conservation and quality control to be set up.
New Technology	1. GLS R&D has established a novel Process for the Extraction of pure Karanjinin from Karanj oil. 2. Safe-O-Shine - A unique Bio-Disinfectant and Floor Cleaner by GLS 3. GLS has launched - A unique Bio-Disinfectant and Floor Cleaner recently.
Any other details	All the products are ECOCERT certified.

Sr. No.	AG : 28		
Company Name	Gujarat Narmada Valley Fertilizers Co.ltd.		
			
Address	PO.: Narmadanagar - 392 015, District: Bharuch, Gujarat, INDIA		
Contact Person	Mr. V. S. Sirohi		
Designation	Executive Director		
Phone	91-2642-663256		
Faxe	91-2642-228063		
E-mail ID	vssirohi@gnfc.in, industrialproducts@gnfc.in		
Website	www.gnfc.in		
Type of Organization	Limited Company		
Sector Activities	Agriculture Biotechnology: Manufacturer and Sales, R&D		
Founding Year	1976		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	220.3

Key Products/Services	Biofertilizers, Bioremediation
Company Profile (150-200 Words)	GNFC has drawn on the worlds leading technologies and systems for its various production culmination of enterprise and initiative.resource fulness and resolve, technology at GNFC common vision for continuous growth. GNFC has always shown a dedication to standards of production and environment safeguards, qualified research acumen, and 100% capacity utilisation for more than two decades.
Manpower	Total No. of Employees: 19
Recognition/Affiliations/ Achievements	1. National Safety Council 2. USA: Good Safety Performance 3. National Productivity Council: Best Productivity - First, Second & Third Prizes 4. Best Productivity for Nitrogenous Fertilizers 5. Ministry of Labour, GOI: Good Safety Performance (Thrice) 6. Federation of Indian Chamber of Commerce & Industry (FICCI) : Best Environment Preservation & Pollution Control 7. Indian Chemicals Manufacturers Association (ICMA) : Environmental Control & Safety 8. Fertilizer Association of India (FAI) : For research paper 9. Best Technical Innovation - pure CO2 enhancement scheme in Ammonia plant 10. Best Technical Innovation implemented in fertilizer industry (twice)
New Technology	1. Set up the world's largest single stream, fuel oil based Ammonia - Urea plant 2. All fertilizers under the brand name of Narmada, along with extensive support activities, have been theyll accepted by the country's farmer community.

Sr. No.	AG : 29		
Company Name	Gujarat State Fertilizers & Chemicals Ltd		
			
Address	PO. Fertilizernagar -391 750, Dist. Vadodara, Gujarat, India		
Contact Person	Dr. H.V. Patel		

Designation	MD		
Phone	91-265-2242451, 2242651, 2242751		
Fax	91-265-2240966, 2240119		
E-mail ID	dkdave@gscfld.com/info@gscfld.com		
Website	www.gscfld.com		
Type of Organization	Limited Company		
Sector Activities	Manufacturer		
Founding Year	1962		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.52
Key Products/Services	Products: Biofertilizers, Plant tissue culture		
Company Profile (150-200 Words)	<p>Gujarat State Fertilizers & Chemical Limited (GSFC) is the first joint sector company promoted by Government of Gujarat in 1962. The company is managed by a team of highly professional Board chaired by the Chief Secretary of Government of Gujarat.</p> <p>The company Manufactures and Markets fertilizers and Petrochemicals. It is one of the largest integrated fertilizer and Petrochemicals companies in India. Fertilizers manufactured are Urea, DAP, Ammonium Phosphate Sulphate, NPK and Ammonium Sulphate and major Industrial Products Manufactured are Caprolactam and its intermediates, Malamine, Nylon-6 Engineering Plastic, Nylon Filament Yarn, Acrylics, Ammonia, Acids and Industrial Gases.</p> <p>The company has excellent marketing network across India independently for fertilizers and petrochemicals. The company is also having strong base of Agro development and Agro services to provide excellent farm advisory services with Sardar Agrinet, a total solution provided to farming community in Gujarat and elsewhere.</p>		
Collaborations (International)	<ol style="list-style-type: none"> 1. With M/s. Haldor Topsoe A/S (HTAS), Denmark for license, know-how and basic engineering as well as for supply of proprietary equipment & catalyst. 2. Tunisian Indian Fertilizer (TIFERT) project in Tunisia 		

Collaborations (National)	With Project & Development India Ltd., Vadodara (PDIL) for Detail Engineering, Procurement Services, Inspection & expediting, Store management & Construction Supervision services for Methanol Project.
Manpower	Total No. of Employees: 151
Recognition/Affiliations/Achievements	<ol style="list-style-type: none"> 1. FAI Award for the best production performance of nitrogenous Plant for the year 2012-13. 2. Runner up for FAI Award for the best production performance of nitrogenous Plant for the year 2012-13. 3. FAI Award for Production, Promotion & Marketing of Biofertilizers for the year 2012-13. 4. FAI Award for Production, Promotion & Marketing of Biofertilizers for the year 2012-13. 5. FAI Environmental Protection Award in the NP/NPK fertilizer plants for the year 2012-13. 6. FAI Environmental Protection Award in the NP/NPK fertilizer plants for the year 2012-13. 7. FAI Award for the best production performance of an operating Phosphoric Acid plant for the year 2012-13 8. Best overall Performance of an operating Phosphoric Acid plant for the year 2012-13 9. Prestigious SAP-ACE Award -2013 for Best Run Public Sector Undertaking 10. The Occupational Health & Safety audit was conducted by BSC during Nov-Dec 2012 for GSFC's 4 Units viz. Baroda, Sikka, Polymers & Fibre. Awarded 5 Star with 92.6% rating. 11. Award for Environmental Protection in the NP/NPK Fertilizer Plants excluding captive acids category, 2011-12 12. Environmental Protection in the NP/NPK Fertilizer Plants excluding captive acids category for the year 2011-12 for Sikka Unit. 13. Award for Best overall Performance of an operating fertilizer unit for Complex Fertilizers, 2011-12 14. Best overall Performance of an operating fertilizer unit for Complex Fertilizers for the year 2011-12 for Vadodara Unit 15. National Energy Conservation Award-2011 16. Certificate of Merit for National Energy Conservation Award-2011 for GSFC's vital contribution in the field of energy conservation. Since last 3 year consecutive, GSFC received this Award. 17. Best overall performance for P205 in Complex Fertilizers for Sikka Unit, 2010-11
Future Plans	To Continue with ongoing activities and explore new business opportunities in the field of Agri-Biochemistry

Sr. No.	AG : 30		
Company Name	Gujarat State Seed Corporation Ltd.		
Address	Beej Bhavan, Sector 10A, Gandhinagar, Gujarat		
Phone	079-23256690		
E-mail ID	mm@gurabini.com		
Website	www.gurabini.com/index.aspx		
Type of Organization	Limited company		
Sector Activities	Supplier, marketing		
Founding Year	1975		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	4.5
Key Products/Services	Products: Seeds- various kharif, rabi and summer crop seeds		

Sr. No.	AG : 31		
Company Name	Hybriteck Tissue Culture & Nuresry Pvt. Ltd		
Address	Lal Dungri, Opp. Gandevi Sugar Factory Old Gate, Nani Khergam, Gandevi, Navsari, Gujarat		
Contact Person	Dr. Rakesh Desai		
Designation	MD		
Phone	9825116462		
Fax	2634263581		

E-mail ID	sahkaragro@yahoo.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer		
Founding Year	1999		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	0.18	0.2
Key Products/Services	Products : Plant tissue culture: banana and patchouli plants Services : Providing consultancy services for establishing plant Tissue culture laboratories		
Company Profile (150-200 Words)	Hybriteck Tissue Culture & Nursery Pvt. Ltd. have been producing banana tissue culture plants since last 11 years and since last 2 years have been into production of patchouli plants. This mpany has also successfully provided consultancy services to GNFC for establishing and expanding their tissue culture facilities.		
Manpower	Total No. of Employees - 14 Ph. D. - 1 Others - 13		
Future Plans	Export of TC raised plants		

Sr. No.	AG : 32		
Company Name	Indo-us Bio-tech P. Ltd		
Address	309, Shanti Mall, Satadhar Cross Road, Sola Road, Ahmedabad-380 061, Gujarat, India		
Contact Person	Mr. Jagdish Devjibhai Ajudia		
Designation	MD		
Phone	079-2749 1807, 99090 43999		
E-mail ID	indous99@hotmail.com, indous_jagdish@yahoo.co.in		




Website	www.indousagriseeds.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer and Research & Development		
Founding Year	2004		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.1
Key Products/Services	Products: Hybrid Seeds of Cotton & other vegetables		
Company Profile (150-200 Words)	<p>Indo-US Biotech Pvt. Ltd. strongly believes in through commitment research and quality with modern technology, they assure that whatever product they produce and supply and whatever laboratory testing services they offered, there will be no compromise on quality and purity one of their goals is to breed various varieties that can be grown in different climates and areas that can be resistant or tolerant to heat cold bolting, humidity, environment and diseases etc., thus eventually to benefit farmers and serve people better. Indo-US Biotech Pvt. Ltd. has an opportunity to hold a leading position in acquiring the authorization of ISO 9001-2000 certificate of agriculture seed industry and has been registered as a member of National Seed Association of India.</p> <p>The company has received number of awards for its excellent performance in productivity and safety. As part of clean environment measure, the company has initiated implementing Clean Development Mechanism. The company is adding to the product range by implementing project for manufacturing Methanol and also expanding capacities of Caprolactum, Melamine etc.</p>		
Recognition/Affiliations/Achievements	ISO 9001-2000 certified		

Sr. No.	AG : 33
Company Name	Indus Tissue Technologies
Address	Vanzana, Via Rankuwa, TA: chikhli, Navsari-396560, Gujarat
Contact Person	Mr. Austin Edwin

E-mail ID	sahkaragro@yahoo.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer		
Founding Year	1999		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	0.18	0.2
Key Products/Services	Products : Plant tissue culture: banana and patchouli plants Services : Providing consultancy services for establishing plant Tissue culture laboratories		
Company Profile (150-200 Words)	Hybriteck Tissue Culture & Nursery Pvt. Ltd. have been producing banana tissue culture plants since last 11 years and since last 2 years have been into production of patchouli plants. This mpany has also successfully provided consultancy services to GNFC for establishing and expanding their tissue culture facilities.		
Manpower	Total No. of Employees - 14 Ph. D. - 1 Others - 13		
Future Plans	Export of TC raised plants		

Sr. No.	AG : 34
Company Name	Ishaan Bio 
Address	27, Riviera Greens, Gokuldham, Sarkhej-Sanand Road, Sanathal, Ahmedabad, Gujarat 382210, India.
Contact Person	Ms. Payal Patel
Designation	Senior Executive
Phone	+91-79-40065686, +91 9725205005,
Fax	+91-22-66459181


E-mail ID	info@ishaanbio.com		
Website	www.ishaanbio.com		
Type of Organization	Private Limited Company		
Sector Activities	Industrial Biotechnology: Manufacturer, Supplier and Research services		
Founding Year	2011		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	1.53	4.51	12.9
Key Products/Services	Products : Bio-catalysts (Enzymes, Cultures and Microbes based systems, Probiotics), Proteins & Peptides, Bio-Chemicals (Starches, Sweeteners and Organic Chemicals), Bio-fertilizers		
Company Profile (150-200 Words)	<p>Ishaan Bio Private Limited is an Indian biotech company engaged in manufacturing, supplying and research of various Bio-Products. We are manufacturers and exporters of a wide range of Bio-Products, serving various industry sectors. Our product portfolio is diversified into 4 major product verticals; Bio-catalysts (Enzymes, Cultures and Microbes based systems, Probiotics), Proteins & Peptides (Vegetable sources), Bio-Chemicals (Starches & Sweeteners), Bio-fertilizers.</p> <p>Ishaan Bio is a company with a dynamic team of over 30 executioners who believes in delivering Bio-excellence. At Ishaan Bio the philosophy is to provide Value Addition and provide a Total Solution. Company's comprehensive technology resources to do research, develop and produce biotech solutions...this is the back-bone of our business model. Company have its own proprietary technical know-how on Bio-synthesis and Chemical synthesis and use various technology platforms like Bio-fermentation, Bio-chemistry, Microbiology, Organic Chemistry and Enzymology to bring out various innovative solutions. Company have its own sophisticated manufacturing facility and also carry out toll manufacturing at dedicated contract manufacturing facilities. We have state-of-the-art R&D set-up with Pilot plant & Application labs where a research team of scientist, engineers & technicians utilise the most advanced instrumentation & analytical techniques to achieve numerous technological advancements to bring out innovative solving industry's toughest problems. We have Quality labs, where all the products passes through stringent tests to make sure that we deliver as committed.</p> <p>With a dedicated Sales & Technical Team, and over 100 direct Customers, Distributors and Dealers, we have extensively increased our market presence into 15 countries and versatile end-use application in industries like Food, Beverage, Health & Wellness, Pharmaceutical, Textile, Leather Paper, Animal feed, Personal Care and Agriculture.</p>		
	Manpower	Total No. of Employees - 32 MBA - 4 PG - 10 UG - 18	


Sr. No.	AG : 35		
Company Name	Jaiveek Agro Biotech Pvt. Ltd. 		
Address	Third Floor-11/12, Shivalaya -II, Near Raneshwar Temple, Opp. D-mart, Vasna Road, Vadodara - 390007, Gujarat		
Contact Person	Mr. Mehul D Buddhadev		
Designation	Director		
Phone	0265 – 2251223		
Fax	0265 – 2324161		
E-mail ID	info@jaiveekagro.com		
Website	www.jaiveekagro.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer and service provider		
Founding Year	2009		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.1
Key Products/Services	Products: Biofertilizers: Nufeed, Pescorine, Neemtor, Solirich, Folinch, Soncer Plus Services: <ul style="list-style-type: none"> • Land Development • Farm Planning • Soil and plant analysis • Organic Farming • Fertilizer recommendations • Integrated pest management 		

	<ul style="list-style-type: none"> • Weed scouting and control • Tillage recommendations • Manure management • Crop residue and cover crop management • Environmental services and recommendations • Sourcing Input Material • Pre and Post Harvest Management • Sourcing Farm Machinery and Implements Services • Providing Staffing Solutions
Company Profile (150-200 Words)	<p>Jaiveek Agro Biotech Pvt. Ltd. is a part of Natventure Group. They started their commercial operations from January 2009 and brought the best in organic agricultural input products directly to farmers and growers in the horticultural and agricultural industries.</p> <p>They specialize in producing and sourcing novel products for plant health, pest and disease control, soil health, and organic systems. The majority of their product range features natural plant extracts, digested cattle dung, plant residues or naturally occurring organisms such as bacteria, nematodes and natural insect predators.</p>
Collaborations (National)	Solution 4 Energy Pvt Ltd., Sajeev Organo Foods Pvt. Ltd.
Recognition/Affiliations/ Achievements	INDOCERT certification
Future Plans	To become complete Organic farming System provider company. To be less dependent on imports & improve social & economical status of the farmers and agriculturists.

Sr. No.	AG : 36
Company Name	Kutch Crops Services Ltd. 
Address	C/o RARDS, Opp. Mahesh Nagar, Mundra Gandhidham Road, Mundra – Kutch-370421

Contact Person	Shri K.C. Shroff		
Phone	91-02838-223258		
Website	www.kcs-india.com		
Type of Organization	Limited Company		
Sector Activities	Tissue culture and consultancy		
Founding Year	2005		
Key Products/Services	Services : soil-water analysis, plantation layout and supervision, pollination support, nutrition, pest and water management		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	2.74	3.37	5
Company Profile (150-200 Words)	<p>KCSL has State of the art Tissue Culture Laboratory dedicated to Date Palm (<i>Phoenix Dactylifera L.</i>) propagation and it is a joint venture of Excel Crop Care Limited, Agrocel Industries Limited and an enlightened Kutchi Businessman Shri K.M.Gala. The laboratory is exclusively designed to fulfill the requirements of NCP–TCP standards (Department of Biotechnology) for producing domestic and export oriented plants. KCSL has adopted technology based approach to significantly improve livelihood of the farmers by helping them to identify the right technologies for related crops and produces considering date palm as a critical horticultural produce for the farmers of Kutch. In a short period of 4 years KCSL has gained its reputations as a committed source of support to the farmers and has also gained the reputation as a successful scientific organization to develop successful protocol for date palm. There are very few such successful tissue culture laboratories in the world and in India KCSL is the only company which is successfully micropropagating Date Palm.</p>		
Manpower	Total No. of Employees - 32 MBA - 1 Post Graduates - 2 Biotechnologists - 2 Graduates - 6		
Collaborations (National)	Excel Crop Care Limited, Agrocel Industries Ltd.		
Recognition/Affiliations/ Achievements	NCS-TCP certificate		

Sr. No.	AG : 37		
Company Name	La Chandra Bioscience Pvt Ltd 		
Address	C/O Chandrabhan Hospital, Raj Plaza, Sonal char rasta, Subhash Chowk, Gurukul Road, Memnagar, Ahmedabad-380052		
Contact Person	Mr. Priyavrat Gadhvi		
Phone	91-9099028738/91-79-27451819		
E-mail ID	info@lachandra.com		
Website	www.lachandra.com		
Type of Organization	Private Limited		
Sector Activities	Tissue culture, plant disease diagnostics		
Founding Year	2012		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	Services: Plant tissue culture, plant disease diagnostics, genomics and bioinformatics		
Company Profile (150-200 Words)	La Chandra Bioscience is a young and vibrant company rooted in application-oriented Biotechnology. Their research and production is focused on delivering novel, high quality & result-oriented products in Agro-Biotechnology, Genetics and Diagnostics. They are involved in tissue culture, analysis of diseases of affecting crops as well as genetics and genomics.		
Collaborations (International)	Forsite Diagnostics, UK		
Manpower	Post-graduates: 3		
Recognitions/ Affiliations/ Achievements	1.DBT recognized 2.NCS-TCP certificate		
Future Plans	Expecting to reach a turn-over of 1 crore		
New Technology	New Technology : micropropagation protocol for pomegranate 2013: Received funding approval from DBT, Pepsico India evaluated rapid plant disease diagnostic kits for their Potato Programme, tissue culture received NABARD recognition for rural innovation		


Sr. No.	AG : 38		
Company Name	Maize Products Ltd. 		
Address	P.O. Kathwada-Maize Products, Ahmedabad – 382430, Gujarat India		
Contact Person	Mr. Priyam B. Mehta		
Designation	CMD		
Phone	079- 22901581-85		
Fax	079- 22902424		
E-mail ID	sales@maizeproducts.com		
Website	www.maizeproducts.com		
Type of Organization	Limited Company		
Sector Activities	Manufacturer		
Founding Year	1941		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.2
Key Products/Services	Products: Maize starch powder, modified starch, liquid glucose, dextrose monohydrate, dextrose anhydrous, sorbitol, corn steep liquor, high maltose corn-syrup		
Company Profile (150-200 Words)	<p>Maize Products Ltd. is a part of Sayaji Industries Ltd. (SIL) which was established in 1941 and had started as corn wet milling unit with a modest corn crushing capacity of one Ton/Day in Ahmedabad, mainly to cater to its own textile units besides the other textile units located in the city. SIL bears a fitting testimony to India's own industrial revolution. Through a wide range of products that are used in their daily lives, they reaffirm the values that have shaped the company into one of India's largest corn refiners.</p> <p>Since more than 70 years, they have dealt with corn in more than one way. Their curiosity to learn more about corn has paid dividends in terms of development of products and its varied applications. They have gradually developed facilities to manufacture modified starches and other derivatives like liquid glucose, dextrose monohydrate, dextrose anhydrous and sorbitol among others and they are amongst the front runners in the corn wet milling business.</p>		

	<p>They have a very well equipped R & D Laboratory at their factory which is constantly in search or more and more ways to analyze corn and add something to its range of applications. their R & D have also saved substantial amount of foreign exchange for the country by developing import substitute products. The Board of awards for import substitution recognizing this contribution and awarded Maize Products with the National Award for import substitution in the year 1976.</p> <p>SIL has been awarded ISO 9001:2008 certification for its commitment to quality. The company was also granted Export House Status by the Joint Director General of Foreign Trade, Government of India for the exports done which helps the company to obtain a lower credit against the exports and reduces the procedural requirements for the exports done by the company. SIL is the largest exporter in the Indian starch industry. To cater to the domestic demand, SIL has office at Ahmedabad, Mumbai, Delhi, Chennai, and Kolkata.</p>
Collaborations (International)	Joint Venture agreement with Sethness Product Company USA for manufacturing caramel colors in India
Collaborations (National)	Sayaji Sethness Ltd., Sayaji Industries Ltd., L. G. Doctor Associates P. L.
Manpower	Total No. of Employees: 1000
Recognitions/ Affiliations/ Achievements	1. National Award for import substitution in the year 1976 2. ISO-9001:2008 certified

Sr. No.	AG : 39
Company Name	maxEema Biotech Private Limited
Address	Plot 496, Tajpur Road, Off. Sarkhej-Bavla Highway, Changodar PO, Ahmedabad - 382 213
Contact Person	Dr. K J Bakshi
Designation	Chairman
Phone	91 2717 652710
E-mail ID	info@maxeemabiotech.com
Website	www.maxeemabiotech.com
Type of Organization	Private Limited




Sector Activities	Manufacturer, R&D		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	6	8	10
Key Products/Services	Products: Bio-chemical Pesticides & High end Plant Growth Promoters, Organic Agrochemicals Services: Effective Organic Solutions for Plant Disease, Pests, Nutrition, soil & seed management		
Company Profile (150-200 Words)	<p>maxEema takes honor in introducing itself as one of the pioneers in the field of "Green-Safe-Effective- Economical" Agricultural inputs (farm-chemicals). All activities at maxEema are driven by "Mission Greentearth". maxEema has been working in this area of research since 1997 and now happens to be the top Indian Organic Crop Care Group with state-of-art production facility as per GLP/GMP standards. maxEema as on date is truly a better option in the myriad of other companies with highly intellectual knowledge and information base and rich source of purest organic, herbal and microbial ingredients. maxEema enjoys the reputation of being a benchmark setters for other firms in this business domains. On-field product performance has enabled maxEema to stay far ahead of other prominent players in the domain of organic crop care formulations.</p> <p>At maxEema, they have effectively integrated a wide spectrum of activities. Their strategy of isolate & break has helped us to look deeply into problems faced by the customers and assists them with their R & D based capabilities to overcome major hurdles. maxEema continues to sharpen their skills to meet the evolving needs of customers and markets.</p>		
Manpower	Total No. of Employees - 32 P.H.D. - 1 MBA - 5 Post Graduates - 5 Biotechnologists - 1 Graduates - 25		
Collaborations (National)	Excel Crop Care Limited, Agrocel Industries Ltd.		
Recognition/Affiliations/ Achievements	1.National Excellence Award - 2003 2.IFOAM 3.International Award " Golden Eagle for Prestige & Quality, Europe – 2011" from Actualidad, Madrid, Spain. 4.ISO 9001:2008 certified 5.Certified Inputs for Organic agriculture as per IFOAM/ NPOP standards 6.Certified Non polluting unit by GPCB, 7.Member - CHEMEXCIL 8.Life Member - PPAG (Plant Protection Association of Gujarat), 9.Member TRA - (Tea Research Association), Kolkata) Patron - Ahmedabad Management Association		

Sr. No.	AG : 40		
Company Name	Nano Agro Science Co-operative Society Ltd.		
Address	Plot No. G-1384, Lodhika GIDC, Taluka-Lodhika Metoda-360021, Dist. Rajkot (Gujarat), India		
Contact Person	Mr. Kanjibhai Raiyabhai Kalavadia		
Designation	Chairman		
Phone	2827-287080		
E-mail ID	info@nascoworld.com		
Website	www.nascoworld.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer		
Founding Year	2002		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.3
Key Products/Services	Products: Bio Fertilizers, Bio Pesticides/ insecticides, Herbal Insecticide, Organic Fertilizers, Compost Fertilizers, Bio Fungicides		
Company Profile (150-200 Words)	Nano Agro Science Co-operative society is registered under Multistate Co-operative society Act-2002 (39 of 2002) vides registration no. MSCS/CR/381/2011 by the central registrar of Co-operative Society under the Department of Agriculture and Co-operation, Ministry of Agriculture, Govt. of India. The main objective of the society is to promote the interest of its members as well as farmers and weaker section of the Agriculture community by promoting and manufacturing of bio/organic and natural sources as agriculture inputs.		
Collaborations (International)	The North Atlantic Salmon Conservation Organization (NASCO)		
Collaborations (National)	National & International level Agricultural & Bio Organic Institution Government Organisation State, Central Level Farmers Associations		
Future Plans	Mainly focused on development of organic green product which are low cost and promote green movement for improving health of soil and plants simultaneously and enhance the productivity of soil and plants.		

Sr. No.	AG : 41		
Company Name	Navkar Hybrid Seed Corporation Pvt. Ltd.		
Address	Baker Ali's Wadi, Mirzapur Char Rasta, Ahmedabad		
Contact Person	Mr. Ashwin Shah, MR. Kordik Shah		
Designation	Founder		
Phone	91795503141		
Faxe	91795503129		
E-mail ID	navkar@icenet.net		
Website	www.navkarseeds.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer, Export / Import		
Founding Year	1978		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	3.5
Key Products/Services	Products: Hybrid seeds Services: processing and marketing of certified seeds of different crops		
Manpower	Total No. of Employees - 25		
Sr. No.	AG : 42		
Company Name	Navya Agricose Pvt. Ltd.		
Address	Old SBI Building, Ena, Surat-394310		


Contact Person	Mr. Naresh Kumar Bhagat		
Designation	Director		
Phone	91-8866381837/9726701995		
E-mail ID	www.navyaagricose.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer and exporter		
Founding Year	2012		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.1
Key Products/Services	Products: Cavendish Bananas, Fresh Mango, Plant Growth Products and Agricultural Inputs Services: Horticulture Consultancy Services, Agricultural Diagnostic Services and Soil & Water Testing Services		
Company Profile (150-200 Words)	Navya Agricose Pvt. Ltd. is widely acknowledged to provide instant solutions to the clients. They are the foremost Manufacturer and Supplier of a diverse range of products, including several fruits and products processed from it as well as agri-services		
Manpower	Total No. of Employees: 5		

Sr. No.	AG : 41		
Company Name	Neel Agrotech Pvt. Ltd.		
			
Address	S - 3, Navrang, Swastik Cross Road, Navrangpura, Ahmedabad - 380009, Gujarat, India		
Contact Person	Mr. Mitul Shah		
Phone	91-79-26568012/ 91-79- 26409327		
Faxe	91-79-2640932		


E-mail ID	info@neel.co.in		
Type of Organization	Private Limited		
Sector Activities	Manufacturer and Exporter		
Founding Year	1997		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	3.0
Key Products/Services	Products: Dehydrated vegetables, canned vegetables & fruits, frozen food		
Company Profile (150-200 Words)	Neel Agrotech Pvt Ltd. was established in the year 1997 and is consistently engaged with agricultural activities by catering farmers & guiding them for technologies by agriculture. Meantime they have achieved recognition for quality inputs and services among their valued customers. They are now an ISO certified company, also registered with apex bodies like APEDA and Spice Board of India to assure their customers for their best services and quality.		
Manpower	Total No. of Employees - 100		
Recognition/Affiliations/ Achievements	ISO certified company, also registered with apex bodies like APEDA and Spice Board of India		

Sr. No.	AG : 42		
Company Name	Neesa Agritech & Foods Ltd.		
			
Address	Plot No. 279P, Pancharatna Industrial Estate, Armac Cold Storage, B/h. Wilson Print City, Changodar, Ahmedabad - 382213, Gujarat, India		
Contact Person	Mr. Nilesh Parikh		
Phone	0271 7323965		
Faxe	02717-250825		

E-mail ID	contact@neesaagritech.com, napl@neesaagritech.com		
Website	www.neesaagritech.com/index.htm		
Type of Organization	Limited Company		
Sector Activities	Manufacturer/Service Provider		
Founding Year	2006		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	10
Key Products/Services	Products: Plant tissue culture: Banana and gerbera, Biopesticide, Biopesticide		
Company Profile (150-200 Words)	<p>Neesa Agritech & Foods Limited started operations in the year 2005-06 and engaged in the production of elite tissue culture plantlets of banana and seed grown papaya. In the true spirit of sustainable agriculture, Neesa Agritech is also engaged in the niche market of Bio-fertilizer & Bio-pesticides since 2006. The company, through its brotherly framed Field personnel, Scientists regards to enrich the farmers with basic knowledge of efficient use of water, manures, fertilizers and pesticides.</p> <p>The company's association with TDD, Govt. of Gujarat demonstrates the value which can be created through private public partnership, to create sustainable benefit to the resource poor farming community. It also gives us a chance to practice CSR (Corporate Social Responsibility) encouraging community growth and development.</p> <p>The company is having a state of the art production facility which is designed to the international standards of excellence for class 10,000 and class 100,000 as per US Federal Standards 209B. The workstations are however class 100 giving the best sterile conditions. The company also uses the best resources available i.e. all the input material from hormones, vitamins to soil for the young plants are imported from the best suppliers around the world.</p>		
Collaborations (National)	Association with TDD		
Recognition/Affiliations/ Achievements	ISO 9001:2008 and DBT certified lab		
Future Plans	<ol style="list-style-type: none"> 1. Tissue Culture Lab at Neemrana, Rajasthan 2. Biotechnology Institute at Neemrana, Rajasthan 3. Single Super Phosphate Plant at Udaipur 4. Neem based Biopesticide Plant at Abu Road 		

Sr. No.	AG : 45		
Company Name	Nico Orgo Manuares 		
Address	Research Farm, Opp. Railway Station, Dakor, Kheda - 388225. Gujarat, India		
Contact Person	Mr. Dushyant P. Laijawala		
Designation	Partner		
Phone	91-2699-244403/ 244611		
Faxe	91-2699-244903		
E-mail ID	nicoorgo@neemnico.com kartik@orgoneem.com		
Website	www.neemnico.com/index.htm		
Type of Organization	Partnership firm		
Sector Activities	Manufacturer and supplier		
Founding Year	1992		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.5
Key Products/Services	Products: Soil Fertility & Conditioning, Nitrification Inhibitor, Plant Growth Promoter & Bio Stimulant, Botanical Pesticides, Bio Control Agent		
Manpower	Total No. of Employees - 25		
Company Profile (150-200 Words)	<p>Nico Orgo Manuares an ISO 9001-2000 certified company offers a wide range of organic inputs for sustainable agriculture and horticulture. These products specially address the serious modern day concerns about environmental degradation and the threat posed to human health as a result of chemical inputs. Their products are bio-degradable, environment friendly, protect crops naturally, are safe to use and at the same time help increase crop yields. Their products have been successfully used in Integrated Crop Management (ICM) systems.</p>		

Company Profile (150-200 Words)	Nico Orgo Manures has its own fully equipped scientific laboratory; R&D Centre and research farm which help maintain the quality control standards of its products. It is their constant endeavour to develop and bring to you new environmentally safe and ecologically viable eco friendly products. Nico Orgo Manures is promoted by Nicosulf Industries & Exports Pvt.Ltd., an ISO 9001- 2000 certified company which is one of the world's largest manufacturers and exporters of Nicotine and its salts.
Recognition/Affiliations/Achievements	1. ISO 9001:2008/International Biocontrol Manufacturers' Association (IBMA) 2. ECCOCERT 3. OMRI 4. Organic farmers and growers UK
Future Plans	Full Range of Biofertilizer

Sr. No.	AG : 46
Company Name	Pac Bio Fungbact 
Address	PAC Bio Fungbact Pvt. Ltd., Madhi Syadla Road, Nr. Old ST Depot, Madhi, Ta: Bardoli, Dist: Surat 394340 Gujarat, India
Contact Person	Mr. Devendra Patel
Designation	Chairman
Phone	91-2622 302300
Faxe	91-2622-302300
E-mail ID	info@pacbiofungbact.com
Website	www.pacbiofungbact.com
Type of Organization	Private limited
Sector Activities	Manufacturer and exporters
Founding Year	2010

Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	3.3
Key Products/Services	Products: Growth promoting organic extract, decomposers		
Company Profile (150-200 Words)	PAC Bio Fungbact are one of India's prominent and trusted manufacturer and exporters of organic agricultural inputs having catered to customers around the globe. Their expertise covers many interesting products for related agricultural needs. Research and development is their company's forte, and they build on that to create, develop and support a wide range of products. These extensive capabilities benefit their customers in numerous ways. They focus on their customers' needs and strive to exceed their expectations. In an increasingly complex world, they take pride to connect with each and every member of the agricultural community and they recognize that the only lasting competitive advantage is higher and higher quality at an affordable cost. Therefore, they continuously focus on the details that make for better quality and for improved agricultural inputs. As a company, they foresee the process of farming free from harmful Chemicals and pesticides.		
Manpower	Total No. of Employees - 300 PG - 3		
Recognition/Affiliations/Achievements	ISO 9001:2008 Certified Company and FIEO registered member		

Sr. No.	AG : 47
Company Name	Phyto Concentrates 
Address	7, Ravi Chamber, Madhupura Road, Madhupura, Opposite Dariyapur Gate, Madhupura, Ahmedabad-380004, Gujarat
Contact Person	Mr.Kalpesh Shah
Designation	MD
Phone	9825006629,79-22124447, +91-2764-286568 ; 286409
E-mail ID	kalpeshphyto@yahoo.in
Website	www.phytoconcentrates.com
Sector Activities	Manufacturer and suppliers

Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.6
Key Products/Services	Products: Herbal extracts, phytochemicals, extracts for cosmetics, extracts for biofertilizers, extracts for pesticides, extracts for veterinary products		
Company Profile (150-200 Words)	Phyto Concentrates is the name of a Health Team personally committed to produce & deliver scientific processes on herbs & spices with youngest technical mind & advanced equipments.		
Recognition/Affiliations/Achievements	1. ISO: 22000:2005 accreditation 2. HACCP certification 3. GMP certificate		
Future Plans	To offer the best quality and advanced nature based products to the world.		
Any other details	To contribute to a variety of industries such as Pharmaceutical, Cosmetic, Ayurvedic and Food Industries by offering them products based on isolated compound and phyto ingredients		

Sr. No.	AG : 48
Company Name	Prasad Biotech
Address	725, G.I.D.C, New. Gundlav, Valsad - 396 035, Gujarat
Contact Person	Dr. Ashok C. Shah
Designation	Proprietor
Phone	+91-02632-237029, 254070, +91-9825123874
Fax	91-2632-236086
E-mail ID	dracshah13@yahoo.com, info@organicprasad.com
Website	www.organicprasad.com
Sector Activities	Manufacturer and supplier

Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.7	0.8	1.0
Key Products/Services	Products: Natural agricultural inputs- biocompost, biocultures, animal feed supplements, medicinal plantation, organic farming, agro-forestry etc. Main products: Agririch, Agrishaktee, Agrisef Plus, Kaizen N.P.K.Y., Agrimor, Agrivet, Kaizen-21, Kaizen microbes		
Company Profile (150-200 Words)	Prasad Biotech is conversant with various Microbial Fermentations; Industrial Biotechnology and Agricultural Biotechnology from Laboratory scale to Industrial levels. They often serve as an adviser to Allopathic/Ayurvedic Pharmaceuticals Co. on need basis, provide practical guidance in the fields of Organic Agriculture, Traditional Medicinal / Aromatic preparation, Panchgavya, Agro forestry etc. and also act as consultant for organic farming of horticulture and cash crops. They suggest natural ways to prevent and treat chronic diseases like cancer, thallemia, diabetes, heart disorders, neurological disorders, impotency, reproductive related disorders, etc.		
Manpower	Ph.D. - 3 MBA - 1 Post Graduates - 1 Biotechnologists - 1 Graduates - 7		

Sr. No.	AG : 49
Company Name	Pruthvi Fertilizer Pvt Ltd
Address	A.V.road, Anand, Gujarat - 388001, India
Contact Person	Mr. Jayesh Patel
Designation	Director
Phone	2692-245183
Fax	2692-245183
E-mail ID	pruthvifertilizers@gmail.com
Website	www.pruthvifertilizers.com


Type of Organization	Private Limited		
Sector Activities	Manufacturer		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	5.7	9.7	8.6
Key Products/Services	Products: Biofertilizers, biopesticides, organic manure		
New Products Launched	Aquaculture product		
Company Profile (150-200 Words)	Pruthvi Fertilizers Pvt. Ltd. (PFPL), was established in March, 1999 and is one of the leading suppliers to the various State Governments for their various subsidy schemes in integrated pest and vector management in India. PFPL has a wide range of Central Insecticide Board Registered Biopesticides and Botanicals, Biocontrol agent Products and Organic nutrients and "Single Roof Solution" for organic farming in agriculture sector		
Manpower	PG - 2 UG - 2		
Future Plans	In process of gaining DSIR registration		

Sr. No.	AG : 50	
Company Name	Redox Agro-tech Pvt. Ltd.	
Address	109, S. K. Tiles Eastate, Near Relief Hotel, Sarkhej, Ahmedabad-382210, Gujarat	
Contact Person	Mr. Janak S. Dhameliya/ Hitesh Kumbhani	
Designation	CEO/ Partner	
Phone	9099936203	
E-mail ID	janak_dhameliya@yahoo.com	
Website	www.redoxagrotech.com	

Type of Organization	Private Limited		
Sector Activities	Manufacturer and exporter		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	2.0	8.5
Key Products/Services	Products: Biofertilizers, biofungicides, biopesticides, flowering stimulant, organic pesticides and plant growth promoters, bioinsecticide, bio-stimulant, growth regulator, soil conditioner, humic acid, amino acids, fulvic acid, indole-3 acetic acid, indole butyric acid, 6-benzyle amino purine etc.		
Company Profile (150-200 Words)	Redox Agro-Tech Pvt. Ltd. is an Ahmedabad-based manufacturer and supplier of biofertilizers, biofungicides, biopesticides, etc. They successfully cater to the diverse needs of agriculture sector, by making available a comprehensive range of the best quality products. High quality raw materials, like bio organic manures, agril waste, wild plant extract, etc. are used in production process.		
Manpower	Total No. of Employees - 70 PG - 10		
Recognition/Affiliations/ Achievements	1. ISO 9001: 2008 certified 2. 'AAA' Business Achievers Award		

Sr. No.	AG : 51	
Company Name	Reva Agri Bio-tech Pvt.Ltd	
Address	Survey No.175/176, Nr. Railway Crossing, Rajpardi Road, Vaghpura, TA. Jhagadia, Bharuch - 393110, Gujarat, India	
Contact Person	Mr. Vijaysinh Khumansinh Surtia	
Designation	Director	
Phone	02645-290396,9427105042	
E-mail ID	revagreencare@yahoo.com , vsuratia@yahoo.in	


Type of Organization	Private Limited		
Sector Activities	Manufacturer, Wholesaler, Distributor, Supplier, Trading Company		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.0
Key Products/Services	Products: Banana plants, tissue culture plants		
Company Profile (150-200 Words)	Reva Agri Bio-Tech is a trader, manufacturer, distributor and supplier of fully hardened tissue plant, ex-agar plant, banana plants. Reva Agri Biotech Pvt. Ltd. decided to deal in different types of green plants as a contribution to the work of ecological balance. They are a well known manufacturer and supplier of fully hardened plants and ex-agar plant.		
Manpower	Total No. of Employees - 30 PG - 3 UG - 2		

Sr. No.	AG : 52		
Company Name	Sarjan Biotech Pvt Ltd.		
Address	66/B-2, Lotus Colony, Opp. G. K. General Hospital, Bhuj-Kutch 370001, Gujarat, India		
Contact Person	Mr. Harish P Nagda		
Designation	MD		
Phone	98795 82306, 2632 293150		
E-mail ID	sarjanbiotech@gmail.com		
Website	www.sarjanbiotech.com		
Type of Organization	Private Limited		
Sector Activities	Exporter, Manufacturer, Supplier		
Founding Year	2005		

Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	2.5
Key Products/Services	Products: Banana Plants, Plant Tissue Cultures of Banana, Primary Hardened Plants of Banana, Potato & other plants		
Company Profile (150-200 Words)	Sarjan Biotech is one of the most advanced Plant Tissue Culture Company in India and was established in 2005, with ultra-modern plant tissue culture laboratory, precious plant tissue culture research & testing equipment. Sarjan Biotech Company has excelled in providing high quality plants to farmers, industries and government departments in India and overseas. The Sarjan Biotech Company maintains stringent quality standards, coupled with the latest research findings in the bio technology which ensure superior cloned plants with lowest level of rejection		
Manpower	Total No. of Employees - 21		
Recognition/Affiliations/Achievements	1. NCS-TCP certificate, 2009 2. ISO 9001:2008 certified		

Sr. No.	AG : 53		
Company Name	Scorpion Biotech Co.		
Address	Taluka Panchayat Society, Near Udgam School, Thaltej Road, Ahmedabad-380054		
Contact Person	Dr. Chirag I. Rana		
Designation	CEO		
Phone	9924499445, 9979599445, 9924399445		
E-mail ID	chirag@scorpionbiotech.com, ceo@scorpionbiotech.com		
Website	www.scorpionbiotech.com		
Sector Activities	Manufacturers, suppliers and exporters		
Founding Year	2009		

Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.8
Key Products/Services	Organic pesticides: Mealy Bug pesticide, Whitefly pesticide; Organic Sucking Pest Controller: Sharp Arrow Larvicide; Plant Growth Inhibitor: Sulphur deficiency (Tiger S-90), nitrobenzene inhibitor (S Flotheyr Plus), Growth enhancer (S-BioZyme and S-Aspa 90); Nitrobenzene Plant Growth Regulator: S-Super Flower Plus, Humic Acid regulators (S-Kalasona 90), amino acid regulators (S-Vigro Combi), Cytokinin regulators (S-Rash Plus and S-target), S-HumiCare		
Company Profile (150-200 Words)	Scorpion Biotech Co. have emerged as one of the prominent firms engaged in manufacturing, supplying, importing and exporting of a wide variety of Bio Pesticides & Fertilizers / Organic Fertilizers and other allied products. Their offered pesticides and fertilizers are immensely praised for salient features such as effectiveness, environment-friendliness and biodegradability.		
Manpower	Total No. of Employees - 4		
Recognition/Affiliations/Achievements	ISO 9001-2008 certified		
Collaborations (National)	Axis Crop Science (Indore, MP), Liberty Crop Science Private Limited (Raipur, Chhattisgarh), Ravi Agro Corporation (Jamnagar, Gujarat)		

Sr. No.	AG : 54		
Company Name	Shaili Biotech Pvt. Ltd. 		
Address	401/ Sarthik Square, Near GNFC Tower, Sarkhej Gandhinagar Highway, Bodakdev, Ahmedabad, Gujarat		
Phone	079-26852181, 268521		
Website	www.shailibiotech.com		
Sector Activities	Exporter, Manufacturer, Supplier		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	8.0

Key Products/Services	Products: Plant tissue culture: Banana, Cordyline, Alpinia, Lily, Dioneae, Nepenthus
Company Profile (150-200 Words)	Shaili Biotech (P) Ltd. is part of Ahmedabad based Jhaharia group of companies engaged in diverse business arenas like Pharmaceutical ingredients, Wax derivatives and Nutraceuticals. Shaili Biotech is situated at Nandasan, North Gujarat, India, started its operation in the year 1992 and now became one of the best admired plant tissue culture company in India .
Manpower	Total Manpower - 44

Sr. No.	AG : 55		
Company Name	Shradhdha Agritech Industries		
Address	Shradhdha complex, Daulat Bazaar, Rajpipla, Dist -Narmada- 393145, Gujarat, India		
Contact Person	Dr. Pratima Shah		
Phone	2640-220909		
E-mail ID	www.shradhdhaagritech.com		
Sector Activities	Manufacturer, Supplier		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.4
Key Products/Services	Products: Bio-fertilizers and bio-pesticides, tissue culture of endangered plant species and few medicinal plants		
Overseas Expansion	Established tissue culture protocols for medicinal plants like Terminalia bellirica (Baheda), Terminalia chebula (Hrade) and Tecomella undulata (Ragathoido).		
Manpower	Total No. of Employees - 19		
New Technology	Hairy root culture, extraction of roots for flavonoids		

Sr. No.	AG : 56		
Company Name	Shrunik Biotech Pvt. Ltd.		
Address	Plot No.507, Safal Prelude, Near Prahladnagar Garden, Opp. Deputy Mamlatdar Office, Corporate Road, Satellite, Ahmedabad - 380015, Gujarat		
Contact Person	Mr. Surendra Bakshi		
Designation	Director		
Phone	91-9601287478		
E-mail ID	www.shraddhaagritech.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturers		
Founding Year	2011		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	4.0
Key Products/Services	Products: Bio-organic fertilizers, silicon fertilizers, phosphate fertilizers, nitrogen fertilizers, bacterial fertilizers, soil nutrients etc.		
Manpower	Total No. of Employees - 10		
New Technology	Hairy root culture, extraction of roots for flavonoids		

Sr. No.	AG : 57		
Company Name	Siddhi PlanteK		
Address	Vill. Hathipura, Tal. Anklav, Dist. Anand – 388 510		

Phone	91-9727795337		
Website	siddhi.planteK@gmail.com		
Sector Activities	Tissue culture		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5.0
Key Products/Services	Products: Plant tissue culture		
Recognitions/ Affiliations/ Achievements	NCS-TCP certificate		

Sr. No.	AG : 58		
Company Name	Sikko Industries Ltd.		
			
Address	No. 508, Iscon Elegance, Near Jain Temple, Prahladnagar Cross Roads, S.G.Highway, Vejalpur, Ahmedabad-380051		
Contact Person	Mr. J.M. Kumbhani		
Designation	MD		
Phone	8373904553/91-9099753320;079-66168950/66168951		
E-mail ID	trade@sikkoindia.com/info@sikkoindia.com		
Website	www.sikkoindustries.net		
Type of Organization	Private Limited		
Sector Activities	Manufacturer & Suppliers		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	10.0

Key Products/Services	Products: NPK fertilizers, ezyme granules, organic fertilizer granules, organic pesticides and fungicides, soil conditioners, micro-nutrient fertilizers, weedicides etc.
Company Profile (150-200 Words)	Sikko Industries was established in the year 2000, and it is the prominent processors and suppliers of a quality range of organic pesticides, organic fungicide, biofungicide, chemical fungicides, NPK fertilizers, soil conditioners, seaweed-based fertilizer, seeds etc.
Manpower	Total No. of Employees: 101-500
Recognitions/ Affiliations/ Achievements	ISO 9001-2008/ISO 14001-20004 certified

Sr. No.	AG : 59		
Company Name	Solar Agrotech Pvt Ltd		
Address	Shyam, 3-Milpara, B/h Royal Complex, Rajkot: 360002, Gujarat.		
Contact Person	Dr. T. L. Dholaria		
Designation	Director		
Phone	281-2229877		
Fax	281 222 9877		
E-mail ID	dr@doctorseeds.com		
Website	www.doctorseeds.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer, trader, exporter		
Founding Year	1994		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.3



Key Products/Services	Products: Sarju , Solar-60, Goldstar, Shrikant, BT Cotton Hybrids: Sarju BG, Mahasangram BG (Released), BGII Cotton Hybrids Released: SOLAR 56 BGII
New Products Launched	1. Developed good germplasm in cotton with most desirable traits: The Bollgard and Bollgard II 2. "Insect Tolerance Technology in Cotton" (Monsanto Technology) were successfully introgressed in proprietary elite cotton germplasm lines.
Company Profile (150-200 Words)	Solar Agrotech company was established in 1994 by agricultural technocrat with an aim "To provide the solution to the agricultural problems to Indian farmer and better services to Indian agriculture by innovative research using the methods of breeding crop plants for higher yield with superior quality with increased profitability. The ethic and core value of the company is "Empowering the Farmers by Providing the Hi-tech Seed".
Collaborations (International)	Mahyco Monsanto Biotech (I) Ltd
Collaborations (National)	Cistrionics Technovations Pvt Ltd, 2009
Recognitions/ Affiliations/ Achievements	1. ICAR approval 2. DBT approval
Overseas Expansion	Apart from Seed industry, Cistrionics Technovations Pvt Ltd, which is a sister concern of the company, was incorporated in 2009 with an intention to gratify the different products for agricultural industries and has emerged as a manufacturer of seed coating polymers in India.
New Technology	Cistrocoat Seed Coating Polymers: advanced seed coating polymers to provide protection against mechanical or environmental damage. It helps in application of fungicide treatments, seed coloring, and nutrient packages to promote better stand establishment.

Sr. No.	AG : 60
Company Name	Sphere Bio-arc Pvt. Ltd.
Address	22-B, Indl. Soc., Nr. Abhilasha Circle, New Sama Rd, Vadodara
Contact Person	Mr. Ramesh Dalsania

Designation	Director		
Phone	2652761098, 9662501670		
E-mail ID	spherebioarc@gmail.com		
Website	www.savligidc.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer and service provider		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.0
Key Products/Services	Products: Bio-pesticides, liquid bio fertilizers		
Manpower	Total no. of employees: 15		

Sr. No.	AG : 61		
Company Name	Sun Agrigenetics Pvt. Ltd.		
Address	2nd Floor, Reign Plaza, Gotri Road, Vadodara - 390021, Gujarat, India		
Phone	265-232-2138		
E-mail ID	info@sunagri.in		
Website	www.sunagri.in		
Type of Organization	Private Limited		
Sector Activities	Trader, Exporter and manufacturer		
Founding Year	1999		

Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.6
Key Products/Services	Products: Tissue culture plants, plug plants, organic manure, micronutrient		
Company Profile (150-200 Words)	<p>Sun Agrigenetics Pvt. Ltd. (SAPL), established in 1999, is a pioneer tissue culture lab and plant R&D centre based in Gujarat. It is the first Indian tissue culture laboratory to have both R&D recognition by DSIR and NCS-TCP. Their aim isto provide the solutions to society for solving problems of energy and pollution using biotechnology and towards this have been consistently developing new products and solutions such as "Sunrich" organic manure made from the discarded banana waste, "DP1" salt resistant variety of banana, to combat increasing salinity in the soils and water etc.</p> <p>SAPL undertakes research projects for developing protocols for micropropagation, anther culture, cell and protoplast cultures. SAPL has a large micropropagation facility to undertake contract micropropagation and delivers plants within acceptable time frame and at the most competitive rates. Their beneficiaries and buyers belong to all categories of end users i.e. farmers, cooperative societies, nurseries and tissue culture labs, researchers, institutional buyers , agriculture universities and the Government.</p>		
Manpower	Total No. of Employees - 40 Skilled - 06		
Collaborations (National)	1.Maharaja Sayajirao University 2.Kadi Sarva Vidyalaya 3.Department of Biotechnology, Govt of India, New Delhi 4.Gujarat Gram Vikas 5.Krushicare 6.Syngenta Govt of Meghalaya		
Recognitions/ Affiliations/ Achievements	NCS-TCP certificate: 2010		
Other details	Exports revenue FY 2013-14: 20 Lacs		

Sr. No.	AG : 62		
Company Name	Suraj Cropsiences Pvt. Ltd.		
Address	Godhra-Halol Highway, At. & Post-Delol, Ta.Kalol, District – Panchmahals- 389310, Gujarat		
Contact Person	Dr. SPS Kushwah		

Designation	CMD+		
Phone	91-2676-235030, +91-2676-236131		
E-mail ID	info@surajcropsciences.com/surajcropsciences@gmail.com		
Website	www.surajcropsciences.com		
Type of Organization	Limited Company		
Sector Activities	Supplier		
Founding Year	2010		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.1
Key Products/Services	Products: Hybrid seeds		
Company Profile (150-200 Words)	Suraj Cropsciences Pvt. Ltd., established in the year 2010, is a pioneer & dynamic agricultural biotech company delivering high quality seeds for Indian seed market. SCPL with its diverse and unique portfolio of products in all group & segments of seeds contribute to a greater magnitude to the agricultural growth over the years to come. Company's goal as an Organization is "Grow Together".		
Recognitions/ Affiliations/ Achievements	1. ISO 9001-2008 Certified Company 2. Business expansion across 10 different states 3. production and sale of Deshi Cotton Hybrids & OP research varieties as well as Cotton non Bt hybrids		
Future Plans	The company is also planning and looking forward to make their R&D base more advanced by setting up various R&D units across its various processing units. So, the company's focus would be now to come out with various research products and offer them for sale in Indian as well as global market. At the same time, the company also plans to import the required seeds from temperate countries with well known reliable countries and place in the market for sale after the clearance from our quality assurance team. For Expansion of business, Company has also started to join and collaborating different Govt. & Private authentic Organizations & Associations who are known for safety and Quality. In the line of this goal, Company is planning for the approvals of different organizations like DSIR, NSA, CSIR, PPV, IBSC, MMB, DBT, GEAC, State Universities etc.		
Any other details	Presently, the company has has five large R&D Farms at different locations with educated and skilled manpower as well as infrastructure, like Breeders, Scientists, Technologists, Farm Managers, Field Assistants, Field workers, Labourers, Green House, Laboratories & Farm equipments etc.		

Sr. No.	AG : 63		
Company Name	Vaishnavi Biotech Ltd. 		
Address	No.27, Village Vadia, District : Bhavnagar- 364240		
Contact Person	Mr. KVSS Sairam		
Designation	Chairman		
Phone	2846 223324		
E-mail ID	info@vaishnavibiotech.com		
Website	www.vaishnavibiotech.com		
Type of Organization	Limited Company		
Sector Activities	Manufacturer and Marketer		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	2.0
Key Products/Services	Products: Plant Nutrients, Crop Protector		
Company Profile (150-200 Words)	Vaishnavi Biotech Limited (VBTL) is one of Asia's largest Industrial Fermentation establishments in the business of manufacturing and marketing of eco-friendly biotechnology products viz., food preservatives & additives, organic agri inputs, biofertilizers, animal health care (cattle/poultry feed supplements) and other value added products based on carbohydrates.		
Collaborations (National)	Prathista Industries Ltd.		
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> 1. An ISO 9001, 14001 & OHSAS 18001 Certified Company 2. VBTL products are certified by INDOCERT which offers organic certification as per USDA-NOP standards and European Union Standards and VEDIC Organic Certification Agency. 3. VBTL In-House R&D center is recognized by Department of Scientific and Industrial Research (DSIR), Govt. of India. 		

Future Plans

VBTL's ultimate focus is on product enrichment and enlargement of its product profile as a part of its business strategy. In order to multiply sales, VBTL has identified certain innovative molecules for manufacture and in its pursuit it is embarking upon various technology collaboration arrangements with Indian National Laboratories / Academia and also joined hands with partners for International Joint Venture.

Sr. No.	AG : 64		
Company Name	Vitrogold Tissue Culture Pvt. Ltd.ch Ltd.		
Address	198 GIDC Estate, Ranasan, Ranasan, Vijapur, Mehsana-382870, Gujarat		
Contact Person	Mr. Raysangbhai N. Chaudhari, Keshabhai Fatabhai Chawdhry		
Designation	Director		
Phone	91-9825878526		
Type of Organization	Private Limited		
Sector Activities	Tissue culture		
Founding Year	2010		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	2.0	—
Key Products/Services	Products : Plant tissue culture: banana and pomegranate		
Recognition/Affiliations/Achievements	DBT accreditation		



Pharmaceutical & Healthcare
Biotechnology



Pharmaceutical & Healthcare Biotechnology

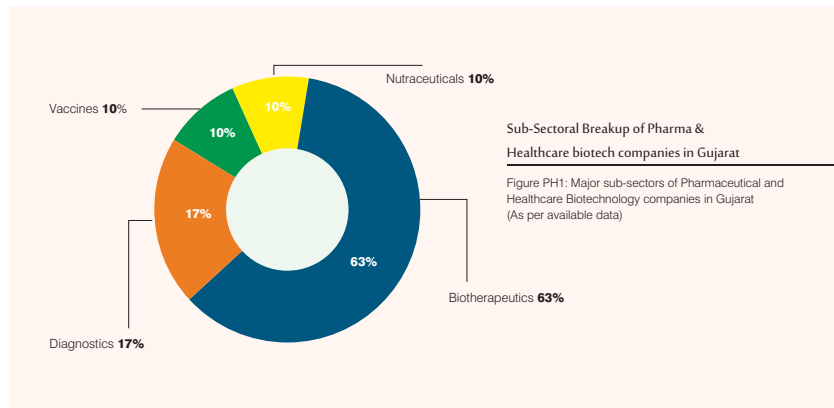
Pharmaceutical Biotechnology is an increasingly essential area of biotechnology which contributes to design and delivery of new therapeutic drugs, development of diagnostic products for medical tests and also "gene therapy" for correcting health effects of hereditary diseases. Other implications of Pharmaceutical Biotechnology are widespread, which ranges from issues pertaining to changes in healthcare practices and providing detail insight into the technologies that allow development and production of biopharmaceuticals from start to finish i.e. from pre-clinical studies to launching the product in the market. Healthcare biotechnology refers to a medicinal, diagnostic product or a vaccine that consists of or has been produced in a living organism and may be manufactured via recombinant technology. Today, the majority of innovative medicines whether manufactured using biotechnology or via a chemical synthesis like a traditional small molecule medicines, as well as many diagnostic products are made available by applying modern biotechnology in their development and/or manufacturing processes.

The State houses several established companies such as Cadila Pharmaceuticals, Torrent Pharma, Cadila Healthcare, Alembic Pharmaceuticals, Sun Pharmaceuticals, Claris, Intas Pharmaceuticals and Dishman Pharmaceuticals, which have operations in the world's major pharma markets. Over the years, the biotechnology and pharmaceutical industry sector in Gujarat has seen numerous developments. Gujarat's contribution in the growth of India's Pharmaceutical industry has been significant. There is no stopping for the pharmaceutical and biotechnology industry in Gujarat, which from its

glorious past is racing ahead by meeting the needs of outsourcing era that has late infused new life into the pharma and biotech industry world over.

The latest distinction as the favorite local for outsourcing follows its stint as the major exporter of pharmaceuticals and producer of active pharmaceutical ingredients (APIs) in the country. Gujarat became the first state in India to manufacture active pharmaceutical ingredients (APIs), finished dosage forms and pharmaceutical machineries. Also, as pharma and biotech industry slowly gained ground in the country, Gujarat earned the distinction of becoming the first state in the country to embark on preclinical safety and toxicology studies. There are currently approximately 3,500 drug manufacturing units in Gujarat. The state commands 42 percent share of India's pharmaceutical turnover and 22 percent share of exports. Approximately 52,000 people are employed in Gujarat's pharmaceutical sector. Ahmedabad and Vadodara are leaders in the production of generics while Ankleshwar and Vapi produce much of India's bulk drugs.

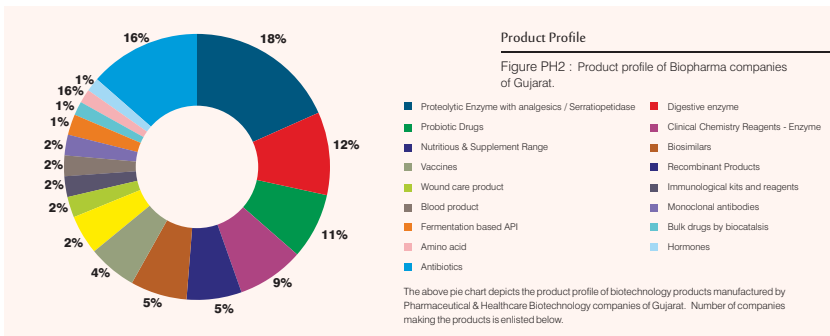
Majority of pharmaceutical biotechnology companies in Gujarat are involved in production of therapeutics. However, many of the firms also have a dedicated research and development laboratories for development of new formulations and novel therapeutics. There are 39 Pharmaceutical & Healthcare Biotechnology Companies in Gujarat which are involved in segments like Biotherapeutics (26), Research & Development (14), Nutraceuticals (5), API manufacturing (13), Diagnostic Companies (7) and Vaccine (4)



Sub-Sectoral Breakup of Pharma & Healthcare biotech companies in Gujarat

Figure PH1: Major sub-sectors of Pharmaceutical and Healthcare Biotechnology companies in Gujarat (As per available data)

Majority of companies in Pharmaceuticals and Healthcare Biotechnology are in biotherapeutics which comprises 63% of the sector. Some of the renowned pharmaceuticals have entered in the biodiagnostics segment which covers 17% of the total companies. Gujarat is also home to many nutraceuticals companies which cover 10% respectively. Currently biotechnology based companies are also emerging in the area of vaccine production which cover 10%.



Sr.No.	Company	No of Companies
1	Proteolytic Enzyme With Analgesics/ Serratiopeptidase	15
2	Digestive enzymes	10
3	Probiotic Drugs	9
4	Clinical Reagents- Enzymes	7
5	Nutrition & Supplements Range	4
6	Biosimilars	4
7	Vaccines	4
8	Recombinant Products	3

Sr.No.	Company	No of Companies
9	Wound care products	2
10	Immunological Kits and Reagents	2
11	Blood products	2
12	Monoclonal antibodies	2
13	Fermentation based API	2
14	Bulk drugs by biocatalysis	1
15	Amino acids	1
16	Antibiotics	10
17	Hormones	1

Table PH1 : Product profile of Biopharma companies of Gujarat (As per company's product)

Revenue Profile

The total turnover of Pharmaceutical & Healthcare Biotechnology Companies in 2013-14 is 1823 Crores (As per available data).

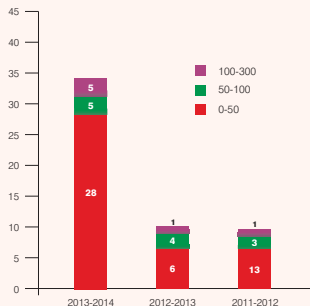
Sr.No.	Company	Revenue (INR Crores) (2013-14)	Sr.No.	Company	Revenue (INR Crores) (2013-14)
1	Active Healthcare*	0.2	17	Eden Health care Pvt. Ltd*	0.25
2	Alembic Ltd.#	340	18	Finecure Pharmaceuticals Ltd*	5
3	Alpic Biotech*	0.2	19	Hester Biosciences Limited#	69
4	Angstrom Biotech Pvt. Ltd.#	0.4	20	Human bioscience India Limited#	20
5	Axio Biosolutions Private Limited#	1	21	Intas Biopharma#	210
6	Avance Phytotherapies Pvt Ltd #	1.62	22	Kaptab Pharmaceuticals*	0.25
7	Bajaj Healthcare Ltd#	3.5	23	Mercury Laboratories Ltd#	1.09
8	Beacon Diagnostics Pvt Ltd.*	2	24	RPG life sciences#	21.51
9	Bills Biotech#	25	25	Shalman Pharmaceuticals Pvt. Ltd*	0.3905
10	Cadila Health Care Ltd#	190.8	26	Shrine Life Sciences Pvt. Ltd#	1.43
11	Century Pharmaceuticals Limited#	67.10	27	Solace Biotech*	0.25
12	Chiron Behring Vaccines Pvt Ltd.*	42	28	Span Diagnostics#	76
13	Claris Lifesciences#	70.8	29	Stanmark Pharmaceuticals*	1.74
14	Comed Chemicals	4	30	Sterling Biotech*	72.23
15	Concord Biotech#	225	31	Sun Pharmaceuticals Advanced Research Center*	60
16	CPL biologics Pvt. Ltd#	240	32	Sunij Pharma Pvt. Ltd*	0.25

Sr.No.	Company	Revenue (INR Crores) (2013-14)	Sr.No.	Company	Revenue (INR Crores) (2013-14)
33	Swati Spentose Pvt. Ltd.*	45	36	Unimark remedies (KDL Biotech) #	6.57
34	Switzer Life Science Pvt. Ltd*	0.5	37	Vipro Life sciences#	17.85
35	Tripada Healthcare Ltd*	0.15		Total	1823

Table PH2 : Turnover of Pharmaceuticals & Healthcare Biotechnology Companies in 2013-14

*Estimated turnover are of Bio business only & MOU of Commissioned Projects in Vibrant Gujarat summit till 2013

#Turnover of Biotechnology Business is as per Annual Reports & communication.



Turnover breakup of pharma & Healthcare biotech sector

Figure PH3 : Turnover Breakup of Pharmaceutical & Healthcare Companies in Gujarat (As per available turnover data)

The above graph is representing turnover breakup of companies in Pharmaceutical & Healthcare sector for last three financial years. In which turnover value is divided into 3 categories – 0-50, 50-100 and 100-300 crores. In FY 2013-14, 28 companies are categorized in value of 0 to 50 crores. Apart from that value of 50 to 100 & 100 to 300 crores, 6 companies are categorized in each of values. In FY 2013-14 companies namely, Cadila Pharmaceuticals Limited, Cadila Health Care Ltd, Concord Biotech, Alembic Ltd and Intas Biopharma was on top of the charts with highest turnover.

Major number of companies is situated in Ahmedabad followed by Gandhinagar, Vadodara, Surat, Mehsana, Surendranagar, Rajkot, Bharuch, Vapi and Valsad.

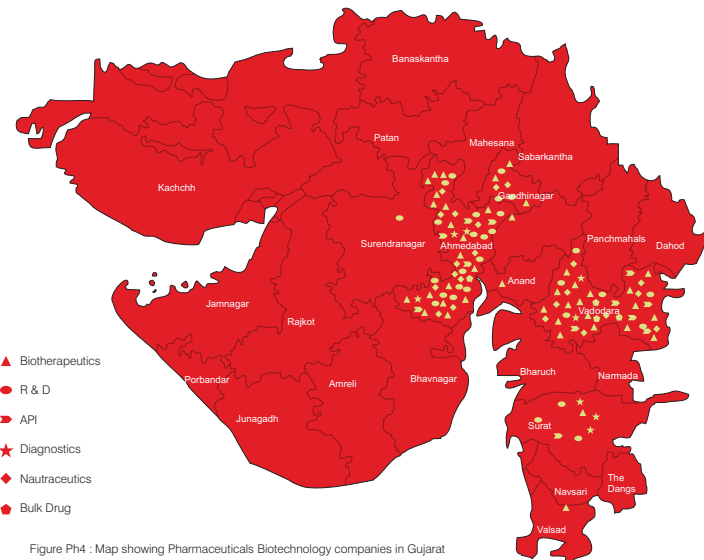


Figure Ph4 : Map showing Pharmaceuticals Biotechnology companies in Gujarat

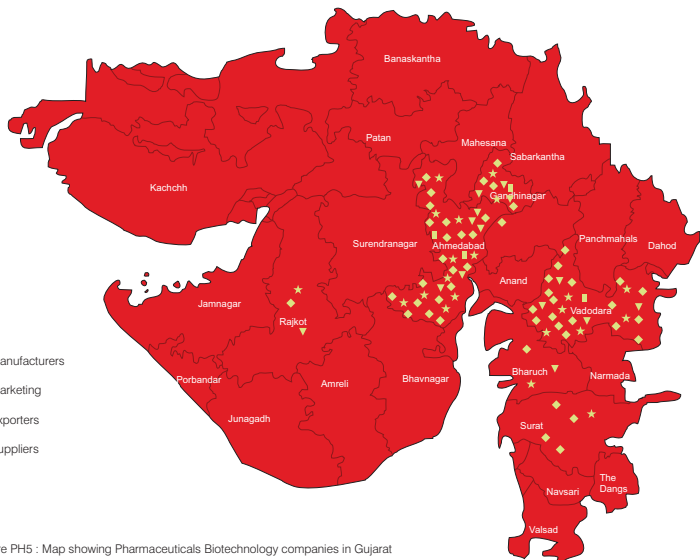




Figure PH5 : Map showing Pharmaceuticals Biotechnology companies in Gujarat

Sr. No.	PH : 1		
Company Name	Active Healthcare 		
Address	Administrative Office: 211-212, Blue Diamond Complex, Fatehgunj Main Road, Vadodara - 390 002 (Gujarat - India) Factory: Acid Mill Compound, Ranmukteshwar Road, Pratap Nagar, Vadodara - 390 004 (Gujarat - India)211, Blue Diamond Complex, Fatehgunj,Baroda 390002		
Contact Person	Mr. Amitkumar R. Trivedi		
Designation	Proprietor		
Phone	0265-2580242, 2580243, 0265 27944880		
Fax	265 2786578		
E-mail ID	Info@activehealthcare.co.in, active_healthcare@yahoo.co.in, activehealthcare@gmail.com		
Website	www.activehealthcare.co.in		
Sector Activities	Therapeutics, Manufacture, Nutraceuticals		
Founding Year	2003		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.2
Key Products/Services	Products: Antibiotics, Antispasmodic & G.U.Tract, Paediatric, Respiratory & Anticold, Gynaec & Allied, Musculo- Skeletal, Cardiovascular, Ulcer Healing, Antacid & Allied, Proteolytic Enzyme with Analgesics, Anti Diabetic, Nutritions & Suppliments, Skin & Anti Allergies, Antihistamine & Vertigo, Neuropsychiatric, Injectables		
Company Profile (150-200 Words)	Active Healthcare is a premier, community-minded provider of medical equipment; passionately dedicated to the care and quality of life of our patients and customers. It started with about 55 products initially and today company handles more than 225 products in form of Tablets, Capsules, Oral Liquids, Powders & Injectables. The Company has been very successful in developing a strong & enviable presence & very good reputation in medicinal & pharmaceutical world, not only in Gujarat but also in India.		

Recognition/Affiliations/ Achievements	1. GMP certification for its quality products. 2. ISO 9001 : 2008 Certification.
Future Plans	Active Healthcare plans to launch some more brands with new molecules & new combinations in market in nearest future Moreover the company has immediate plans to start a "Veterinary Division" in view of the market demands.

Sr. No.	PH : 2		
Company Name	Alembic Ltd. - Biotech Division		
Address	Alembic Limited, Alembic Road, Vadodara - 390 003, Gujarat, INDIA		
Contact Person	Mr. Amitkumar R. Trivedi		
Designation	Proprietor		
Phone	0265-280550/8800		
Fax	265-282931		
E-mail ID	infoal@alembic.co.in		
Website	www.alembic-india.com		
Type of Organization	Limited Company		
Sector Activities	Research & Development, Nutraceuticals, manufacturing and marketing/ Services		
Founding Year	1907		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	340


Key Products/Services	Products: Antibiotics & Antibacterials, Gastrointestinal Drug, Antihistamines, Anti BPH , Cardiovascular, Aniti Diabetic, Antiallergic, Antihelminthic, Antimicrobial, Antiulcerant, Vitamins. Services: Research Services
Company Profile (150-200 Words)	Alembic Pharmaceuticals is Asia's most respected and integrated pharmaceutical company, committed to improving the quality of life and healthcare in over 75 countries around the world. Based at Vadodara (India), Alembic Research Centre is the research and development division of Alembic Pharmaceuticals Limited, one of India's well-established and integrated pharmaceuticals company. Its R&D facilities spearheads landmark research in the areas of Chemistry, Microbiology, Pharmaceutical Technology and Bio-Equivalence. Alembic is a certified ISO-9002, ISO-14001 and ISO 27001 company with manufacturing practices and facilities that conform to WHO-GMP guidelines ensuring that every Alembic product meets the most stringent quality standards. Alembic is spreading its wings now to regulatory markets both in respect of API and Formulation.
Mergers / Acquisitions	Acquired Non Oncology formulation buisness of Dabur Pharma Limited(2007)
Manpower	Total No. of Employees - 2500 Scientists - 850
Recognition/Affiliations/ Achievements	1.FDA approval 2.Therapeutic Product Directorate (TPD) 3.MHRA 4.FDCA 5.MCC API-P1 APPROVAL FACILITY - 1.Approved by German Regulatory authority 2. Market leader in Macrolide Products

Sr. No.	PH : 3		
Company Name	Alpic Biotech Limited		
Address	C-91, Nebula Tower, Behind Hotel Grand Bhagwati, S.G. Highways, Bodakdev, Ahmedabad-54		
Contact Person	Mr. Pratik Raj		
Designation	Proprietor		
Phone	079-30957072, 91-8460825999, 91-8460825777, 91-9227401077		
Fax	079-26852436		
E-mail ID	info@alpicbiotech.com, alpicbiotechltd@gmail.com		


Website	www.alpicbiotech.com/index.html Limited Company		
Sector Activities	Therapeutics, Manufacture, Nutaceuticals		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.2
Key Products/ Services	Products: Antibacterial/ Antimicrobial/ Anti Diarrhoeals/ G.I. Anti Infections, Nutrition & Metabolism/ Haematopoietic/ Minerals/ Vitamins, Protein Powder, Protein Powder Sugar Free, NSAIDS/ Antirheumatoid/Muscle Relaxants, Antiallergic Drug, Antifungal, Antiobesity Drug, Antiasthmatics/ Mucolytic/ Expectorant, Enzymes/ Digestive Supplements, Haemostatics, Hyperacidity/ Reflux/ Ulcers/ Antiemetics, Androgens And Anabolic Steroids, Antimalarial Drugs, Ointment/ointment/Lotions, Cardiac Drugs, Antispasmodics, Hepato Biliary Drugs, Antituberculous Drugs, Antibiotic.		
Company Profile (150-200 Words)	Alpic biotech Ltd. has been in the business of quality biological research reagents for many years. The company has been distributing products of USA and Europe which are front runner in producing the state-of-the-art products and maintain step with the emerging research trend.		

Sr. No.	PH : 4		
Company Name	Angstrom Biotech Pvt. Ltd		
Address	870/5/B GIDC, Makarpura, Vadodara-390 010		
Contact Person	Mr. Reeja Thomas		
Designation	Director Technical		
Phone	91- 9825306300, 91- 93776 06300, 0265-26366860		
Fax	265-3046686		

E-mail ID	info@angstrombiotech.com, angstrombiotech@rediffmail.com		
Website	www.angstrombiotech.com		
Type of Organization	Private Limited		
Sector Activities	Diagnostics & Manufacturer		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.38	0.25	0.4
Key Products/Services	Services: Biochemistry, Serology, Rapid Tests, manufacturer of diagnostic kit.		
New Products Launched	CK-Nac-2 Reagent Liquid Stable Quantitative and qualitative procedure, CK-MB - 2 Reagent Liquid Stable		
Company Profile (150-200 Words)	Angstrom Biotech has a sophisticated plant located in the prime industrial area of Vadodara. The plant has state of art equipment and approval of the State FDA. ANGSTROM is engaged in the task of manufacturing indigenously top quality diagnostic kits. The company has FDA approval for manufacturing.		
Manpower	Total No. of Employees : 19		
Recognition/Affiliations/ Achievements	1. ISO 9001:2008 Certified Company 2. FDA approval for manufacturing		

Sr. No.	PH : 5		
Company Name	Axio Biosolutions Pvt. Ltd.		
Address	99, Shangrila, 100Ft Hebatpur Road, Thaltej, Ahmedabad-54, Gujarat, India		
Contact Person	Mr. Leo S. Mavely, Mr. Brijesh Patel		
Designation	CEO, Marketing Manager		
Phone	91- 079 65141166		

E-mail ID	info@axiobio.com, Leo.mavely@axiobio.com, brijesh.p@axiobio.com		
Website	www.axiobio.com		
Type of Organization	Private Limited		
Sector Activities	Therapeutics, Manufacturer		
Founding Year	2008		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.0
Key Products/Services	Products: Medical Device, Biomaterials, Haemorrhage Control, Advanced Wound Management Chitosan, Haemostat, Wound Healing, Axiostat, SureKlot		
Company Profile (150-200 Words)	Axio Biosolutions Private Limited is an ISO 13485 medical device designer and manufacturer company focused on Advanced Wound Management. Axiostat is flagship product which is developed to reduce the mortality due to traumatic bleeding from accident injuries. Axio headquartered in Gujarat, India was started off as an incubated project and was later funded by Life Science Venture Capital Company and Technology Development Board, Govt of India. Axiostat is being widely used by Hospitals, Ambulance services, Industries, Relief aid and is part of standard field kit of paramilitary in India. Axiostat has also received the prestigious European CE approval and is being exported to many countries. Axiostat was recently featured as one of the 10 Medical Marvels poised to Save Life by Indiatoday magazine.		
Manpower	Total No. of Employees : 12		
Recognition/Affiliations/ Achievements	1.Silicon Valley Challenge – Action for India 2014 2.Anjani Mashelkar Inclusive Innovation Award.(2013) 3.CNBC Samsung Social Innovation Award 4.GMP, ISO 13485 and ISO 9001 certificaion 5.IMC Inclusive Innovation Special Jury Award (2013) 6.MSME Cluster Innovation Grant : Winner (2009) 7. Ranked among the 75 best Start-Ups to invest in – Dare Magazine (2010)		

Sr. No.	PH : 6		
Company Name	Avancé Phytotherapies Pvt. Ltd. 		
Address	33-34, The Chambers Building, SG Highway, Opp New Gurudwara, Ahmedabad- 54, Gujarat,		
Contact Person	Dr. Karishma Shah		
Designation	CEO		
Phone	+97 277 31836		
Fax	+91-79-40086050		
E-mail ID	karishma@avancephyto.com		
Website	www.avancephyto.com		
Type of Organization	Private Limited		
Sector Activities	Manufactures and Distributors		
Founding Year	2004		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	0.387	0.558	1.62
Key Products/Services	Products: Herbal Medicines Specialized Herbal APIs		
Company Profile (150-200 Words)	Avancé is herbal R&D based company focusing on finding new health supplement for healthy living. Avance' is mainly into development of API, nutraceuticals, cosmeceuticals, which are emerging as important segments in the global market. Avancé is dedicated to develop natural healthcare products which are innovative and clinically proven. Realistic and rationalistic herbal combinations are developed to affect synergism in therapeutic activity, focusing in the areas where there are not much allopathic alternatives. Company focuses mainly on inter-disciplinary research and is an ideal platform for convergence of life sciences with pharmaceutical sciences.		

	Since research remains core and integral part of the company's activity and the company has developed many unique products and pipelines. The company has developed nutraceuticals in different therapeutics areas like anti-oxidant, anti-arthritis, Liver disorders, sleep inducing products. Company has developed innovative and science driven products in the cosmeceuticals segment like anti-age tablets, anti-age cream, anti-acne and fairness cream with promising drug like benefits and effects. Standardization, safety and efficacy of every product is assayed through testing, preclinical and clinical study.
Collaborations (International)	Mega Life sciences, Bangkok
Collaborations (National)	1. Synchron Research 2. Bagalkot college of Pharmacy
Manpower	Total No. of Employees - 16 Ph. D. - 2 PG - 7 UG - 2
Future Plans	1. Develop specialized product derived from herbs for life-style disorders. 2. To Develop full-fledged Laboratory for conducting analysis of Herbal medicines

Sr. No.	PH : 7
Company Name	Bajaj Healthcare Ltd. 
Address	Block No.588, Savli-Karachia Road, Ta.Savli Dist. Vadodara, INDIA
Phone	91-2667-222 200 / 222 337 / 222 890
E-mail ID	bajajhealth@vsnl.com
Website	www.bajajhealth.com
Type of Organization	Public limited
Sector Activities	Therapeutics, Manufacturer and Exporter, Research & Development, Active Pharmaceutical Ingredients, Intermediates, Bulk Drugs, Nutraceuticals
Founding Year	1993


Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	3.5
Key Products/Services	Products: Manufacturer and Supplier of Amino Acids, Nutritional Supplements, Active Pharmaceutical Ingredients, Intermediates, Formulation, Bulk Drugs, Chlorhexidine Products, Minerals And Nutritional Supplements, Anti Convulsant, Anti Asthmatics, Directly Compressible Grade Materials		
Company Profile (150-200 Words)	Bajaj Healthcare Ltd. have metamorphosed into specialized company involved in R&D, manufacturing and supply of amino acid, nutritional supplements and active pharmaceutical ingredients for Pharmaceutical, Nutraceuticals and Food industries. Bajaj Healthcare Ltd. in its shot life span has gained loyalty from national and international customers.		
Manpower	Total No. of Employees : 1000		
Recognition/Affiliations/Achievements	1.Halal certification 2.Kosher certification 3.G.M.P. certification Drug Master Files [D.M.F's] 4.ISO 9001: 2000 certification 5.Certificate of Suitability for Carbamazepine, UKAS quality management (2005)		

Sr. No.	PH : 8
Company Name	Bills Biotech 
Address	Regd. & Corporate Office: Ranjit House B/h. Bhagwat Bunglows, Thaltej-Shilaj Road, Thaltej, Ahmedabad -380059. Gujrat, India Factory: Plot No. P/01, Biotech Park Phase 1, GIDC, Industrial Estate, Savli, Vadodara – 391775 Gujarat, India
Contact Person	Dr. A.K. Pandey
Designation	CEO
Phone	079 40200525, 9978711611, 9879508013, 0276-240653, 9879911642
Fax	91 79 40200565
E-mail ID	info@billsbiotech.com,billsbiotech@gmail.com, Khushi_capital@yahoo.comwww.billsbiotech.com
Website	www.avancephyto.com


Type of Organization	Private limited		
Sector Activities	Research & development, Manufacturer, Diagnostic services		
Founding Year	2004		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	25
Key Products/Services	Services: R&D on Performance proteins and peptides		
Company Profile (150-200 Words)	Bills Biotech is a research based Biopharmaceutical Company having collaborations with prestigious R&D and commercial organizations in developed countries in addition to its own strength in development of cutting edge biotechnological process and technologies. The product line and research areas include top line prevention and cure of cardiovascular diseases, obesity management, top line organ transplant drugs, proteins and peptides.		
Manpower	Total No. of Employees - 52 Ph. D. - 15 MBA - 1 PG - 15 UG - 10		
Recognition/Affiliations/ Achievements	1.Halal certification 2.Kosher certification 3.G.M.P. certification Drug Master Files [D.M.Fs] 4.ISO 9001: 2000 certification 5.Certificate of Suitability for Carbamazepine, UKAS quality management (2005)		
Future Plans	Bills Biotech will soon be manufacturing medicines and bio-molecules for the treatment of life threatening diseases like cardiovascular diseases, obesity, and top-line drugs for managing complexities of organ transplant.The Company has 4 molecules entities awaiting commercial production and in next two years they are targeting over USD \$25 million in sales.		

Sr. No.	PH : 9
Company Name	Beacon Diagnostics Pvt Ltd 
Address	424, New GIDC, Estate, Phase II, Kabilpore, Navsari – 396 424, Gujarat, India
Contact Person	Harish Shah

Phone	+91-2637-265590 / 265791		
Fax	+91-2637-265105, 9375794112		
E-mail ID	sales@beaconindia.com		
Website	http://www.beaconindia.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturing and Marketing Diagnostic kits		
Founding Year	1990		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	2.0
Key Products/Services	Products: Diagnostic Kits and Reagents.		
Company Profile (150-200 Words)	Beacon Diagnostics Pvt Ltd produce and provide the best Quality Production & Services for the Customer Satisfaction.		


Sr. No.	PH : 10
Company Name	Cadila Health Care Ltd. 
Address	Cadila Healthcare Ltd., Zydus Tower, Satellite Cross Roads, Ahmedabad-380015, Gujarat, India.
Contact Person	Dr. Sanjeev Kumar
Designation	Sr. Vice President (Biotechnology)
Phone	91-2717-665555
Fax	91-2717-250606

E-mail ID	sanjeevkumar@zyduscadila.com		
Website	www.zyduscadila.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Research & Development, Manufacturer, Marketing, Exporter.		
Founding Year	1952		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	26.5	57.34	190.8
Key Products/Services	Products: Drug formulations (Branded and Generic), APIs & Intermediates, Consumer products, Vaccines and Biologics Services: Biotechnology Research		
Company Profile (150-200 Words)	Zydus Cadila is an innovative global pharmaceutical company that discovers, develops, manufactures and markets a broad range of healthcare products. The group's operations range from API to formulations, animal health products and cosmeceuticals. Headquartered in the city of Ahmedabad in India, the group has global operation in four continents spread across USA, Europe, Brazil, South Africa and 25 other emerging markets. In its mission to create healthier communities globally, Zydus Cadila delivers wide ranging healthcare solutions and value to its customers. With over 15,000 employees worldwide, a world class research and development center dedicated to discovery research and state-of-the-art manufacturing plants, the group is dedicated to improving people's lives.		
Collaborations (International)	1. WHO for Next-generation biologicals for rabies 2. Abbott for commercializing branded generics in emerging markets 3. Bayer for setting up a new pharmaceuticals Joint Venture in India 4. Infectious Disease Research Institute, USA for developing of IDRI's Vaccine Candidate for Visceral Leishmaniasis (Kala-Azar) 5. Pieris, Germany for Novel Anticalin® Therapeutics		
Collaborations (National)	Bharat Serum and Vaccines Limited for developing, manufacturing and marketing a non-infringing and proprietary Novel Drug Delivery System (NDDS) of an approved anti-cancer product for global markets (2005)		
Mergers / Acquisitions	1. Bremer pharmaceutical for transfer of all key assets, people, brands and export contracts of Bremer. (2011) 2. Bayer HealthCare for setting up 50:50 Joint Venture Company in the name of *Bayer Zydus pharmaceutical. (2011) 3. Etna Biotech, a subsidiary of Crucell N.V. (2008) 4. Nikkho, Brazil based company (2007)		

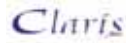
	5. Liva Healthcare for gains an opportunity to establish a presence in the US\$340 million-dermatology market, which is the seventh largest therapeutic segment in the Indian pharma market. 6. Etna Biotech, Italy for offers the group a highly evolved research platform for developing new vaccines and technology (2008)
Recognition/Affiliations/ Achievements	1. The first Indian pharma company to launch an NCE in the market 2. Lipaglyn is the world's first drug to treat diabetic dyslipidemia. 3. In recognition of this pioneering vision and leadership in innovation, CNBC Asia honoured Chairman and Managing Director, Mr. Pankaj R. Patel with the India Innovator of the Year Award (2013). 4. Launched six biosimilars and commissioned India's largest, fully automated, 11,000 litre state-of-the-art monoclonal antibody production facility at Changodar, Ahmedabad.
Recognition/Affiliations/ Achievements	The Company plans to achieve sales of over \$3 bn by 2015 and be a research-based pharmaceutical company by 2020 Zydus Cadila is dedicated to life in all its dimensions. The company world is shaped by a passion for innovation, commitment to partners and concern for people in an effort to create healthier communities, globally.
Sr. No.	PH : 11
Company Name	Cadila Pharmaceuticals Limited 
Address	Survey No. 1389, Trasad Road, Dholka, Ahmedabad-387 810, INDIA.
Contact Person	Mr. I.A. Modi
Designation	Chairman
Phone	91-2718-225001, 91-2714-221481
Fax	91-2718-225039, 91-2714-220315
E-mail ID	website@cadilapharma.co.in
Website	www.cadilapharma.com

Type of Organization	Limited Company		
Sector Activities	CRO, Therapeutics, Research & Development, Diagnostics, Manufacturer, Exporter, Marketing, Services, Nutraceuticals		
Founding Year	1990		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	240
Key Products/Services	<p>Products: Antibiotics, Digestive Enzymes, Antibacterials, Proteolytic Enzymes, Vitamins, Recombinant Vaccines, Immunomodulator, Sodium Hyaluronate, streptokinase, herbal drugs manufacturing</p> <p>Services: Clinical research and contract manufacturing, The CRO facility offers Pre-clinical and Clinical studies for coherent drug development and caters to over 45 therapeutic areas, including Cardiovascular, Gastrointestinal, Analgesics, Haematinics, Anti-Infectives, Antibiotics, Respiratory, Anti Diabetics and Immunologicals. The CRO is a one stop destination that manages all phases of Contract Research ranging from Pre-clinical, BA – BE & Phase II to Phase IV deploying the strength of local expertise and global technology.</p>		
Company Profile (150-200 Words)	<p>Cadila Pharmaceuticals Ltd. is one of the largest privately held pharmaceutical companies in India, headquartered at Ahmedabad, Gujarat. Over the last five decades, it has been developing and manufacturing pharmaceutical products and selling and distributing these in over 50 countries around the world. An integrated healthcare solutions provider with pharmaceutical product basket, it caters to over 50 therapeutic areas that include cardiovascular, gastrointestinal, analgesics, haematinics, anti-infectives and antibiotics, respiratory agents, antidiabetics and immunologicals. Cadila Pharmaceuticals has a multicultural, multilingual and multinational workforce of more than four thousand employees including over two hundred people outside India in forty-nine countries of Africa, CIS, Japan and USA. Cadila Pharmaceuticals is the first Indian company to get IND approval by USFDA for clinical trials to be conducted in India. Subsequently, the company has filed four or more INDs with USFDA. Of the five INDs filed, one is for pulmonary tuberculosis; the rest four are for various types of cancers, e.g., Lung Cancer, Prostate cancer, Bladder Cancer and Melanoma. Thus all the INDs are for providing solutions to major global health care problems. The clinical trials on Prostate cancer, Lung cancer and Bladder cancer are supported by Department of Science and Technology to encourage innovations.</p>		
Collaborations (International)	<p>1. Sumandeep Vidyapeeth Medical University for developing of Recombinant fusion proteins for the treatment of Asthma and allergy.</p> <p>2. Parul Institute of Pharmacy for Recombinant Protein technology- To develop Therapeutic application of "β Defensin" under Industry academic.</p>		

	<p>3. Institute of Fisheries Research, Mumbai (ICAR) for developing therapeutic application of Phlorotannin under Industry academic partnerships.</p> <p>Cadila Pharmaceuticals Ltd (CPL) and US-based vaccine company Novavax have set up a joint venture (JV) company CPL Biologicals Pvt Ltd in 2009 for manufacturing therapeutic and prophylactic vaccines, biological therapeutics and diagnostics in India. JV, Cadila Pharma has 80% equity stake, while remaining 20% equity stake is held by Novavax</p>
Collaborations (National)	<p>Apollo Hospitals and StemCyteInc USA for establishing and operating a public and private Bank to store Umbilical Cord Blood Stem Cells and use them to prevent and treat various diseases and health disorders (2010)</p>
Mergers / Acquisitions	<p>Pfizer's Ankleshwar API unit for Active Pharmaceutical Ingredients (APIs) (2007)</p>
Recognition/Affiliations/Achievements	<p>Achievements:</p> <p>1177 Formulations registered worldwide, 148 API Drug Master Files (DMFs) submitted, 52 patents granted and 405 patent applications filed globally</p> <p>Approved Patents:</p> <p>Intravenous composition of Rabeprazole, Solid oral composition contain five actives in one capsule, Pharmaceutical composition of novel vaccine adjuvants and its method of treatment, New molecular entity on diabetes</p> <ol style="list-style-type: none"> 1. Cadila Pharmaceuticals launches world's first Parenteral Formulation of Rabeprazole (Rabeloc I.V.) (2004) 2. Cadila Pharmaceuticals submits first IND (Investigational New Drug) with the USFDA for pulmonary tuberculosis (2007) 3. Divya Bhaskar honours Shri IA Modi with Lifetime Achievement Award (2010) <p>Cadila Pharmaceuticals Limited receives prestigious wellcome Trust Award under the new R & D for Affordable Healthcare in India initiative to support a phase III clinical trial of Polycap.</p>
Future Plans	<p>The company aims to discover, develop and successfully market pharmaceutical products to prevent, diagnose, alleviate and cure diseases.</p>
New Technology	<ol style="list-style-type: none"> 1. Cadila Pharmaceuticals unveils world's first Polycap, which reduces the risk of heart disease by 68% and stroke by 48% (2009) 2. Mycidac-C-product for the patients suffering from Non-Small Cell Lung Cancer (NSCLC)


Sr. No.	PH : 12		
Company Name	Century Pharmaceuticals Limited 		
Address	406, World Trade Centre, Sayajigunj, Vadodara-390005		
Contact Person	Mr. Janak K Sheth		
Designation	Managing Director		
Phone	91 265 2361581/2361978/2362509		
Fax	91 265 2226023		
E-mail ID	Info@centurypharma.com		
Website	www.centurypharma.com		
Type of Organization	Limited liability Company		
Sector Activities	Therapeutics, Research and Development, Manufacturer, Stem cell Research, Active Pharmaceutical Ingredients		
Founding Year	1982		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	45.81	41.42	67.10
Key Products/Services	Products: Azithromycin salts, Clarithromycin, Erythromycin salts, Fluticasone propionate, Oxytetracyclin salts, Calcitriol		
Company Profile (150-200 Words)	<p>Century Pharmaceuticals Ltd. (CPL) Is involved in manufacturing and supply of APIs to global pharmaceutical companies in India and abroad as well. The company customers are like Teva pharmaceuticals, Jubilant life sciences ltd, Alembic Pharmaceuticals, Intas Pharmaceuticals, Aristo pharmaceuticals and other Indian players in the Pharmaceutical industry. CPL initiated Biotech Research division for drug discovery and development in 2007 which is involved in the discovery of novel biotechnology molecules. Century recognizes the role of Biotechnology as the future of the pharmaceutical industry in enhancing the specificity and effectiveness of drugs, improving lifestyle quality and working on unmet needs of the industry. The company is involved with the creation of significant biotechnology research capabilities in the area of targeted human therapeutic proteins. Company's R&D jointly developing with Israeli partner for the development of Recombinant fusion protein for the Treatment of asthma and Mastocytosis and also involved in Stem cell research to provide solution for the terminal cases where there is no alternative treatment.</p>		

Collaborations (International)	Collaboration with "target-in" an Israel based organization for technology transfer (2007)
Collaborations (National)	<ol style="list-style-type: none"> 1.Sumandeep Vidyapeeth Medical University for development of Recombinant fusion proteins for the treatment of Asthmaand allergy 2.Parul Institute of Pharmacy for developing therapeutic application of "β Defensin" under industry academic partnerships Institute of Fisheries Research, Mumbai (ICAR) for developing therapeutic application of Pholorotanin under Industry academic partnerships
Manpower	Total No. of Employees - 69
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> 1.Gold medal from Lockheed Martin for best innovation in Biotech technology (2007), Functional IBSC (since 2007) 2.DSIR recognized R&D unit (2008) 3.New US FDA approved manufacturing plant (2010) 4.WHO GMP for manufacturing APIs (2012) 5.MSME award year 2012 by FGI, Gujarat (2012), 'A1' SME company by Dun and Bradstreet 6.Gold Medal for excellence in Business Practices (Switzerland) 7.Excellence award for Exports (Indian council for Small & Medium size exporters)
Future Plans	The company aims to file IBD for protein drugs stem cell isolation and characterization and to develop islets for the treatment of diabetes and cells for wound healing for the diabetic patients.
Any other details	The company needs to get FDCA and CDSCO recognition for the stem cell research facility


Sr. No.	PH : 13		
Company Name	Claris Lifesciences Ltd. 		
Address	Registered and Corporate Office: Claris Corporate Headquarters Nr. Parimal Crossing, Ellisbridge, Ahmedabad - 380 006, India		
Contact Person	Mr. Arjun Handa		
Designation	CEO		

Phone	079-26563331		
Fax	079-26408053		
Website	www.clarislifesciences.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Research & Development, Manufacturer and Marketing		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	58.41	62.21	70.8
Key Products/Services	Products: Anesthesia & Analgesia, Enteral Nutrition, Blood Product, Anti-infectives, Renal & Transplant, Oncology etc.		
Company Profile (150-200 Words)	<p>Claris Lifesciences is an Indian sterile injectables pharmaceutical company with a market presence across various countries worldwide. They primarily manufacture and market products across multiple markets and therapeutic segments. A significant majority of these products are generic drugs that are capable of being directly injected into the human body and are predominantly used in the treatment of critical illnesses. The company offers injectables in various delivery systems, such as glass bottles, vials, ampoules, and non-PVC/PVC bags. Their customer base primarily includes government and private hospitals, aid agencies and nursing homes.</p> <p>Claris has three manufacturing facilities at a campus located in Ahmedabad, India. Majority of these facilities have been approved by foreign regulatory authorities including the USFDA, MHRA (UK), TGA (Australia), NAM (Finland), GCC FDCA (Gulf Co-operation Council including Saudi Arabia, U.A.E. and other countries in the Middle East), ANVISA (Brazil) and INVIMA (Colombia). The company manufacturing capabilities have received several awards from prestigious institutions like IDMA (Indian Drug Manufacturers' Association) and Frost & Sullivan. Their capabilities and experience span across all business verticals in the generic injectables industry. They have a trained workforce across business functions, such as R&D for product development, regulatory affairs for obtaining product registrations, manufacturing, sales and marketing.</p>		
Manpower	Total No. of Employees - 500 Above		
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> Regulatory approvals of the manufacturing unit which include US FDA, MHRA (UK), TGA (Australia), GCC FDCA, ANVISA (Brasil), etc. Product registration mark which is more than 800 with over 320 products under registration. 		

New Technology	<ol style="list-style-type: none"> Parenteral Fat Emulsions (Lipid Drug Delivery Systems) to manufacture Propofol. A proprietary multi-layer film for bag manufacturing Specific bulk drugs (API) like Hydroxyethyl starch and Iron sucrose. Unikit - a unique and significant delivery system for dry-wet injectable combinations.
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Sr. No.	PH : 14		
Company Name	Comed Chemicals 		
Address	Corporate Office: 3rd Floor, Orient Business Centre, Sayajigunj, Baroda-390 005. Gujarat, India		
Contact Person	Mr. Pratik Raj		
Designation	—		
Phone	91-0265-2361584, 91-0265-2363229		
Fax	91-0265-2362524		
E-mail ID	info@comedchemicals.com, hr@comedchemicals.com		
Website	www.comedchemicals.com		
Type of Organization	Limited company		
Sector Activities	Therapeutic, Manufacturer and Marketer		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	4.0
Key Products/Services	Products: Recombinant proteins, Oral Antibiotics		
Company Profile (150-200 Words)	Comed Chemicals is a multiproduct, multidivisional integrated company located in Baroda. Comed Biotech, the division of Comed Chemicals is involved in manufacturing recombinant proteins with a view to refocus from conventional molecules to high-tech genetically modified and restructured recombinant products, which can quench the increasing thrust for life saving drugs, serum		


	vaccines and intermediates. The company is making headway in new directions such as brand value enhancements, new product launches, restructuring and entering into Chronic Disease Management.
Recognition/Affiliations/ Achievements	1. A WHO - GMP Certification 2. DSIR approval


Sr. No.	PH : 15		
Company Name	Concord Biotech Ltd. 		
Address	Corporate address: B-1002, Safal Pegasus, 10th Floor, Nr. Prahladnagar Garden, 100ft Road, Satellite Road, Ahmedabad-380015, Gujarat, INDIA Factory: 1482-1486, Trasad Road, Dholka-387810, Dist. Ahmedabad, Gujarat 387810India		
Contact Person	Mr. Sudhir Vaid		
Designation	Chairman and Managing Director		
Phone	91-2714-222604/ 221904		
Fax	91-2714-222504		
E-mail ID	concord@concordbiotech.com		
Website	www.concordbiotech.com		
Type of Organization	Limited company		
Sector Activities	Therapeutics, Research & Development, Manufacturer		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	145.01	174.5	225
Key Products/Services	Products: Immunosuppressant, Oncology, Antifungal, Antibiotic, Anti-obesity, Statins & enzymes Services: Biotechnology Research Services, Fermentation, semi-synthetic and synthesis based products		

Company Profile (150-200 Words)	Concord Biotech Limited is an R&D based Biotechnology company, having focus on the fermentation, semi-synthetic and synthesis based products. Concord has recorded an excellent growth through diversification and process improvements. Having state-of-the-art US FDA approved facility. Concord is a professionally managed and globally recognised supplier of fermentation based APIs, enzymes & offers services in biotechnology area like strain improvement & contract fermentation/ manufacturing. The existing portfolio of products includes APIs in the immunosuppressant, antibiotic, hypolipemic segments and enzymes.
Collaborations (International)	Working with various US and EU clients for NCE molecules in the area of natural Products.
Manpower	Total No. of Employees-350 Ph. D.-10 MBA-12 PG-200 UG-30 Graduate-98
Recognition/Affiliations/ Achievements	1.USFDA approval 2.In-house R&D recognition from DSIR (Department of Science &Industrial Research, India) 3.cGMP compliance (State GMP certificate from local FDA) Japanese AFM

Sr. No.	PH : 16
Company Name	Chiron Behring Vaccines Private Ltd
Address	PLOT NO. 3502, G.I.D.C. ESTATE, Ankleshwar - 393002, Gujarat, India
Contact Person	MR. Shri Nivash
Designation	IT Head
Phone	+91-2646-252155, +919328167700, +91-998006422, +91-9377598612
Fax	+91-2646-253078
Type of Organization	Private Limited
Sector Activities	Manufacturer, Supplier, Trader
Founding Year	1988

Turnover (INR in crore)	—	—	42
Key Products/Services	Products: Vaccines, Novartis vaccines, pharmaceutical formulation		
Company Profile (150-200 Words)	Chiron Behring Vaccines Private Limited manufactures and distributes vaccines. The company was founded in 1989 and is based in Mumbai, India. Chiron Behring Vaccines Private Limited operates as a subsidiary of Novartis India Limited.		

Sr. No.	PH : 17		
Company Name	CPL Biologicals Pvt Ltd 		
Address	Dholka, Near Ahmedabad, Gujarat India.		
Website	http://cplbio.cadilapharma.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturer, Diagnostics		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	50
Key Products/Services	Products: seasonal influenza vaccine, novel vaccines		
Company Profile (150-200 Words)	<p>CPL Biologicals has evolved from a joint venture by Cadila Pharmaceuticals Ltd and Novavax, Inc. CPL Biologicals will be developing and manufacturing vaccines, biological therapeutics and diagnostics in India using technology contributed from Novavax and Cadila Pharmaceuticals.</p> <p>CPL Biologicals is setting up a state-of-the-art manufacturing facilities at Dholka, near Ahmedabad, in the state of Gujarat, India with a focus on developing, producing and selling products such as seasonal influenza vaccine and potentially other novel vaccines against dengue fever and chikungunya fever based on Novavax's virus-like-particle (VLP) vaccine technology. CPL Biologicals also aims to develop the pandemic H1N1 influenza vaccine candidate in India that Novavax is developing in the United States.</p>		

New Technology	Virus-like-particle (VLP) vaccine technology for novel vaccines against dengue fever and chikungunya fever.		
Sr. No.	PH : 18		
Company Name	Eden Health Care Pvt. Ltd. 		
Address	No-301, Abhishree Complex, Opposite Star India Bazar, Satellite Road, Ahmedabad - 380015, Gujarat, India		
Contact Person	Mr. Sharad Agarwal		
Designation	Director		
Phone	9824023088, 079-26924532/65128588/26925714/40064532		
Fax	079-26925618		
E-mail ID	info@edenhealthcare.co.in, info@edenhealthcare.in, edencare@yahoo.co.in		
Website	www.edenhealthcare.in		
Type of Organization	Private Limited		
Sector Activities	Therapeutics, Manufacturer and Marketing, Nutraceuticals		
Founding Year	1997		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.25
Key Products/Services	Products: Antibiotics and Antibacterials, Anti-Rhenmatic, Anti-Inflammatory, Analgesic & Muscle Relaxants, Antacid/Anti Ulcerant, Other Analgesics, Anti Spasmodic & Corticosteroids, Vitamin Tonic/ Nutrients/ Appetisers, Antimalarials, Cough, Cold & Antiallergics.		
Company Profile (150-200 Words)	Eden Health care was established in the year 1997 in the Small Scale Sector, with the mission of providing safe and genuine health care products for the mankind. In the year 2004-05 Eden Health Care is converted into Eden Health Care Pvt. Ltd to cater to the growing demand of the market for quality medicines. Eden Health Care Pvt. Ltd. is an ISO 9001-2008 certified Company. The Company is		

	promoted by highly experienced and technically qualified personnel in pharmaceutical manufacturing and pharma business, supported by a strong team of qualified technical personnel, having very good experience in pharmaceutical formulation manufacturing.
Recognition/Affiliations/ Achievements	ISO 9001-2008 Certification


Sr. No.	PH : 19		
Company Name	Finecure Pharmaceuticals Ltd.		
Address	303, Third Eye One, Opp. Havmor, Nr. Panchwati Circle, C.G. Road, Ahmedabad : 380006, Gujarat, INDIA		
Contact Person	Mr. Vivek Rajgarhia		
Designation	Director		
Phone	9825395556, 079-30481806 / 30481807		
Fax	079-30481812		
E-mail ID	finecure@gmsindia.com, sales@gmsindia.com		
Website	www.finecurepharma.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Manufacturers and Marketing, Nutraceuticals		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5.0
Key Products/Services	Products: Nutraceuticals & Dietary supplements		

Company Profile (150-200 Words)	<p>Finecure Pharmaceuticals Limited is leading manufacturers and marketers of Pharmaceutical formulations and Nutraceuticals in several therapeutic segments in dosage forms of Tablets, Capsules, Oral Liquids, Dry Syrup, Powders, Injections, Sachet and Effervescent. Finecure is rated NSIC CRISIL SE 1A for highest performance strength and high financial Capability. They have maintained 22% growth rate, higher than overall Indian Pharma Industry indicating company's policies implementation and performance strength. The company is moving towards a long term goal of discovery, development, manufacture, marketing and sales of novel drugs.</p>
Recognition/Affiliations/ Achievements	<ol style="list-style-type: none"> 1. WHO GMP certification 2. ISO 9001: 2008, ISO 22000: 2005, ISO 14001: 2004 and OHSAS 18001: 2007 certifications 3. The products are CE mark certified "Conformite Europeenne" and Nutraceutical products meets labeling requirement as per DSHEA Act and are manufactured in USFDA registered facility 4. ASSOCHAM India Business Excellence Award (2013) 5. International Arch of Europe Award -Germany, For Quality & Technology in Gold Category (2012) 6. NSIC CRISIL SE 1A rated company
Future Plans	The company aims to increase their focus and penetration in Pharmaceuticals and Nutraceuticals markets including niche therapeutic products like Cardiovascular, Diabetology, Neurology, Retroviral, Derma, Anti-Infective and OTC in the domestic and international market.

Sr. No.	PH : 20		
Company Name	Hester Biosciences Limited		
Address	1st Floor, Pushpak Panchwati Circle, Motilal Hirabhai Road, Ahmedabad - 380 006, Gujarat, India		
Contact Person	Ms. Payal Shah		
Designation	Manager HR		
Phone	02764 - 285502		
Fax	02764 - 285673		



E-mail ID	mail@hester.in		
Website	www.hesterbiosciences.co.in		
Type of Organization	Limited Company		
Sector Activities	Diagnostics, Therapeutics, Manufacturer		
Founding Year	1994		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	48.2	65.1	69
Key Products/Services	Products: Animal Vaccines Services: Diagnostic services		
Company Profile (150-200 Words)	Hester Biosciences Limited is specialized in manufacturing of poultry vaccines. Hester has a state-of-the-art facility to produce live and killed (Inactivated) veterinary vaccines. Production procedures for poultry vaccines based on in-house advanced capabilities are being followed in the areas of virus propagation in specific pathogen-free embryos, tissue culture, batch fermentation of bacteria, lyophilisation and emulsion preparation.		
Manpower	Total No. of Employees - 250 Biotechnologist - 40		
Recognition/Affiliations/ Achievements	1. GMP and ISO 9001:2008 certification 2. ISO 14001:2004, OHSAS 18001:2007 & GLP certification		
Future Plans	The company is setting a diagnostic unit at USA moreover they plans to develop a division for animal vaccine at Nepal		

Sr. No.	PH : 21
Company Name	Human Bioscience 
Address	No. 142/143-P, Vasana Chacharvadi, District, Ahmedabad - 380 001, Gujarat
Contact Person	Mr. S.M. Bhatt

Designation	Chief Scientific Officer		
Phone	079- 382213/ 9825138772/8141398557		
E-mail ID	vpo@humanbiosciences.com		
Website	www.humanbiosciences.com		
Sector Activities	Therapeutics, Manufacturer, Research & Development		
Founding Year	1990		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	20
Key Products/Services	Products: Wound care products		
Company Profile (150-200 Words)	<p>Human BioSciences (HBS) Inc. is a specialized biotechnology company, focused on the use of collagen in wound care management. HBS is an integral developer, manufacturer and seller of advance wound care products in the form of dressings and particles, popularly known as SkinTemp™, Dressings and Medifil™ particles worldwide. The headquarters and main production facility is located in Gaithersburg, Maryland. The proprietary "Kollagen™" technology developed by the company's CEO, Dr. Manoj Jain, is being utilized in countries such as Taiwan, Germany and India, through technology transfer agreements, establishment of manufacturing plants and export of products. HBS believes in providing innovative and affordable healthcare solutions through biotechnology. Through its advanced wound care products, Human BioSciences strives to deliver quality products to ensure complete satisfaction of clinicians and patients. HBS aims to advance its leadership position in the field of advanced wound care products by utilizing its unique proprietary technology. This technology has enabled HBS to position itself as the single producer of the highest quality collagen wound care products on the market.</p>		
Manpower	Total No. of Employees - 27		
Recognition/Affiliations/ Achievements	FDA-compliant and ISO 13485 certification		


Sr. No.	PH : 22		
Company Name	Intas Biopharmaceuticals Ltd. 		
Address	Corporate Office: 2nd Floor, Chinubhai Centre, Ashram Road, Ahmedabad 380009		
Contact Person	Mr. Mani Iyer		
Designation	Sr.VP-Finance & Corporate Affairs		
Phone	91-7- 6652 3100/2657 6655		
Fax	91-79-26578862		
E-mail ID	info@intaspharma.com		
Website	www.intaspharma.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Manufacturer, Research & Development		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	178.125	178.125	210
Key Products/Services	Products: Biosimilars- Neukine (GCSF), Erykine (EPO), Intalfa (IFN), Pegasta (Peg GCSF), Terifrac (Teriparatide), Mabtas (Rituximab), Folisurge (FSH)		
Company Profile (150-200 Words)	<p>Intas Biopharmaceuticals Limited, a subsidiary of Intas Pharmaceuticals Limited is a fully-integrated and leading biopharmaceutical company based in Ahmedabad, India. Since inception in May 2000, Intas Biopharmaceutical is involved in Research & Development (R&D) and Manufacturing of Biopharmaceutical products with a special focus on Oncology (Cancer) as a major thrust area. Intas Biopharmaceuticals Limited has made substantial investments in the Development, Manufacturing and Marketing of Biotech products in areas of chronic therapies such as Oncology (Cancer), Rheumatology, Auto-Immune, Nephrology, Ophthalmology and Plasma derived product based therapies. Continual R & D initiatives have further strengthened the company's niche products as well as complex products like New Drug Delivery System- NDDS in India and International markets. The company's capabilities encompass</p>		

	<p>small-scale to large-scale microbial fermentation, mammalian cell culture, protein & antibody purification, pegylation, lyophilization, aseptic formulation and fill-finish. These facilities are accredited by the local and international regulatory agencies. The manufacturing facility has garnered European Union - Good Manufacturing Practice (EU-GMP) certification for Drug Substance and Drug Product. R&D is focused on developing high quality recombinant therapeutic proteins to address the unmet medical needs across the globe. The current focus is on development and commercialization of products in Oncology (Cancer), Auto-Immune Disease, Ophthalmology and Nephrology. The fully integrated R&D team has end-to-end expertise for biosimilar product development; ranging from clone development to the clinical research. A dedicated Quality Assurance team works closely with R&D to ensure highest standards for documentation and regulatory submissions.</p>
Manpower	Total No. of Employees - 500
Collaborations (International)	<ol style="list-style-type: none"> Three of Intas' biosimilar assets are already partnered for the EU, US, Canada, China and other markets. The first product for the regulated markets will be GCSF and is expected to be launched in Europe. Intas signed an agreement with Canadian drug major Apotex Inc, in May 2008, to co-develop and market the low-cost version of a biotech cancer medicine filgrastim (G-CSF) in North America and Europe. Intas developed and manufactured Filgrastim (GCSF) became the first biosimilar manufactured by an Indian company to be registered in EU.
Mergers / Acquisitions	Astron Research Limited for enhancing product quality through technological innovations and up gradations (2002)
Recognition/Affiliations/ Achievements	Only Indian Biotech facility that has been audited and approved for GMP by the EMEA.
Overseas Expansion	<ol style="list-style-type: none"> Licensing and supply agreement with astrazeneca for generic and high-end oncological products. Establishment of oncology solid oral facility at Mexico, inspected by COFEPRIS (approval for manufacture and sell products in Mexico).
Overseas Expansion	Intas aims to be first Indian company to have enabled a commercialization of an indigenously developed biosimilar product in the regulated market.

Sr. No.	PH : 23		
Company Name	Kaptab Pharmaceuticals		
Address	BIDC, Gorwa Estate, Gorwa, Vadodara-390003, Gujarat		
Contact Person	Mr. R. K. Patel		
Phone	0091 2652380339, 91-265-2280061		
Fax	91-265-2342109		
E-mail ID	n.patel@kaptab.com, info@kaptab.com		
Website	www.kaptab.com		
Sector Activities	Therapeutics, Exporter, Manufacturer, Nutraceuticals		
Founding Year	1978		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.25
Key Products/Services	Products: Pharmaceutical formulations, medicines, liquid injectables, antibiotics, anti bacterials, injectables, protein, vitamin, tablets, capsules, syrups		
Company Profile (150-200 Words)	Kaptab Pharmaceuticals is one of the western India's well respected pharmaceutical companies. Their endeavor is to ensure the availability of best in class, quality medicines.		
Manpower	Total No. of Employees - 40 MBA - 1		
Recognition/Affiliations/Achievements	GMP certified Company		

Sr. No.	PH : 24		
Company Name	Mercury Laboratories Ltd.		
			
Address	2/13& 14, Gorwa Industrial Estate, Gorwa,Vadodara - 390 016. INDIA.		
Contact Person	Mr. R. R. Shah		
Designation	MD		
Phone	0265 2280180, 2280181, 2281625		
Fax	0265 2280027		
E-mail ID	mllbrd@mercurylabs.com		
Website	www.mercurylabs.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Nutraceuticals, Manufacturer and Marketre		
Founding Year	1962		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	1.09	1.13
Key Products/Services	Products: Analgesics, Antipyretics, Antiallergics, Antiasthmetics, Antibiotics, Antibiotics & Antibacterials, Anticancers, Antidiarrhoeals, Antiemetics, Anti-fungal & Antibiotics, Antihistamines, Antihistaminics & Antiallergenic, Antispasmodic, Antitussive, Antiulcer, Coagulant, Cough Mixtures, Digestive Enzyme, Diuretic, Enzymes, & Carminatives, Hemostatic, Laxative, Mucolytics, Nutrition, Protein Preparation, Sedative, Uterine stimulant		
Company Profile (150-200 Words)	Mercury Laboratories Ltd has been market leader in segments such as gynaecology, cardio vascular, multivitamin & nutrition supplement, anti biotic, pain management, and gastro. The company's international markets for pharmaceutical products now include several emerging country markets in Asia, Africa, Far east etc.		

	Mercury manufacturing facilities is designed, equipped and operated to deliver high quality products within defined cost and delivery schedules. These manufacturing facilities have flexibility to operate in various dosage forms and wide range of batch sizes. Mercury Laboratories has participated in the WHO/GMP system implementation, ISO 9002 certified specification and worker/staff training through quality circle programme. This has resulted in timely delivery with world-class quality at competitive price.
Manpower	Total No. of Employees - 330
Recognition/Affiliations/ Achievements	1. WHO/GMP system implementation 2. ISO 9002 certification
Future Plans	To increase their exports significantly and continue profitable growth in domestic markets.

Sr. No.	PH : 25
Company Name	RPG Lifescience Ltd. 
Address	Factory & Regd. Office: National Highway No.8, Abrama,Valsad - 396 001Gujarat, INDIA Ahmedabad Office : B/6 Dharmyug,Near Atlanta Tower,Gulbai Tekra, Panchvati,Ahmedabad - 380 006, Gujarat, India
Contact Person	Mr. R. R. Dalvi
Designation	Vice President
Phone	(91) (2646) 652102 / 03 / 04, 652074, 652061, 9925248580
Fax	(91) (2646) 250104
E-mail ID	info@rpglifesciences.com, rrdalvi@rpgls.com
Website	www.rpglifesciences.com
Type of Organization	Limited Company
Sector Activities	Manufacturer and Marketing, Therapeutics, API,Nutraceuticals, bulk drugs

Founding Year	1993		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	21.51
Key Products/Services	Products: Immunosuppressant, Vitamins, statins.		
Company Profile (150-200 Words)	RPG Life Sciences (RPGLS) is an Indian Pharmaceutical Company formerly known as Searle (India) Ltd.RPG Life Sciences is part of RPG Enterprises. It has its corporate office in CEAT Mahal in Worli, Mumbai. Its three major activities are manufacturing and marketing of bulk drugs, also known as API, (Active Pharmaceutical Ingredients), pharmaceutical formulation and fermentation & biotechnology. RPGLS is present in the domestic as well as the international market. It exports its products primarily to Europe, Latin America, Australia & South East Asian countries.		
Manpower	Total No. of Employees - 1000		
Recognition/Affiliations/ Achievements	1. Asia's 4th Best Employer Brand Awards held at Pan Pacific Hotel, Singapore. (2013) 2. THE MOST POPULAR HR SHOWCASE EXHIBIT AWARD at the 15th National HRD Network Conference on 18th November (2011) in Bangalore		

Sr. No.	PH : 26
Company Name	Shalman Pharmaceuticals Pvt. Ltd. 
Address	27-B, Sahajanand Industrial Estate. Muzmahuda, Vadodara - 390 020 Gujarat
Contact Person	Mr. Ashok H. Kapasi/ Dharmesh S. Shah
Phone	9327920939/ 9327570545/ 9825035839, 2330545, 2340559.
Fax	0265 - 2341809
E-mail ID	shalmanpharma@rediffmail.com, info@shalmanpharma.com

Website	www.shalmanpharma.com		
Type of Organization	Private Limited		
Sector Activities	Therapeutics, Manufacturer and Marketer, Service provider, Nutraceuticals.		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.39
Key Products/Services	Products: Antibiotics & Anti-Bacterials, Anti-oxidants, Multi-Vitamins, Multiminerals & Calcium Products, Cardio-vasculars and Antacids & Antiulcers Services: Contract manufacturing Services		
Company Profile (150-200 Words)	Shalman Pharmaceuticals Pvt. Ltd. is a Gujarat based Schedule M & ISO 9001: 2008 certified pharmaceutical company engaged in manufacturing and marketing of pharmaceutical products of its own as well as contract manufacturing of specialized products for other reputed pharmaceutical houses on third Party arrangement. Shalman Pharmaceuticals is equipped with all modern manufacturing facilities and amenities which has been supported and strengthened by qualified and experienced people who manage and manufacture qualitative products. Moving ahead with global trends the company has completed the process of acquiring Schedule M Certification for the plant and to further improve its quality and management standards, the company has also acquired ISO 9001:2008 Certification. The company is also in the process of up gradation and expansion of its facilities to meet the requirements of its own and other esteemed clients for manufacturing of formulations containing new molecules. To maintain the quality standards the company has recently setup fully operative and state of the art Quality Control and Microbiology Laboratories.		
Manpower	Total No. of Employees - 50		
Recognition/Affiliations/ Achievements	1. ISO 9001: 2008 Certified & CRISIL Rated Company 2. A Schedule M certified Company		

Sr. No.	PH : 27
Company Name	Shrine Life Sciences Pvt. Ltd.
Address	B/123, Electronic Zone, Sector 25, Gandhinagar, Gujarat - 382025 (India)

Contact Person	Mr. Bakulesh Nagar		
Designation	Managing Director		
Phone	9824168363		
E-mail ID	shrinelife@yahoo.com www.shrinelifesciences.com		
Type of Organization	Private limited		
Sector Activities	Manufacturer, Exporter, Supplier, Nutraceuticals		
Founding Year	1991		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	1.37	1.39	1.43
Key Products/Services	Products: Alkaline Powders, Antioxidants, Chewable Calcium Tablet, Energy Powder, Ginseng Capsule, Protein Powder, Spirulina Capsule		
Company Profile (150-200 Words)	Shrine Life Sciences Pvt. Ltd. is a prominent manufacturer, supplier and exporter of Pharmaceutical Products. Their products are manufactured using optimum quality ingredients that are procured from trustworthy vendors of the market. Based at Gandhinagar the Company ensures that all its products are available at economical prices and are in tandem with industry norms & standards. The firm is equipped with large and spacious infrastructure that aids them in meeting the bulk requirements of their clients. Shrine life sciences has achieved international acclamation due to the superior quality of their products.		
Manpower	Total No. of Employees - 9 UG - 6		


Sr. No.	PH : 28
Company Name	Solace Biotech
Address	4, Bank of India Society, Navrangpura, Ahmedabad-380009
Phone	079 32943363

E-mail ID	info@solacebiotech.comwww.solacebiotech.com		
Website	www.solacebiotech.com		
Sector Activities	Therapeutics, Manufacturer and Marketing,Bulk Drugs,Nutraceuticals		
Founding Year	2000		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.25
Key Products/Services	Products: Pharmaceutical Formulation, Bulk Drugs, Epoxy Bulk Drugs		
Company Profile (150-200 Words)	Solace Biotech is a innovation-driven pharmaceutical developing a growing portfolio of best-in-class pharmaceutical products.Solace Biotech is engaged in manufacturing and marketing of pharmaceutical formulations.Solace has made its presence felt in the Indian pharmaceutical market by adopting an ethical & professional approach. Solace has access to the best technical expertise in the areas of quality control and manufacturing processes. Solace manufacturing is done in units compliant with latest schedule M and production is carried out as per latest WHO GMP guidelines..The Company is strengthening its ability to identify high-potential drug candidates by improving the company market research and development processes, investing in new molecules and expanding its product portfolio.		


Sr. No.	PH : 29	
Company Name	Span Diagnostics Ltd.	
Address	173 B , New Industrial Estate, Udhna – 394 210, Surat, Gujarat	
Contact Person	Mr. Veeral Desai, Mr. Rahul	
Designation	Managing Director	
Phone	0261 - 2277211	

Fax	0261 – 2279319		
E-mail ID	mail@span.co.in, span@spanddiag.com , finance@span.co.in, hr@span.co.in		
Website	www.span.co.in		
Type of Organization	Limited Company		
Sector Activities	Research& Development, Diagnostics, Manufacturer		
Founding Year	1976		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	58.2	75	76
Key Products/Services	<p>Products: Immunodiagnostics Products, Haematology reagents, Clinical Chemistry reagents, Microbiology, Histology & Cytology, Haematology Analysers, Biochemistry Analysers, Immunochemistry Analysers, Hitachi Allergy System.</p> <p>Services:</p> <p>Contract Manufacturing:</p> <ul style="list-style-type: none"> Undertaking production of various purified protein molecules e.g Antigens, Primary and secondary antibodies ,tissue protiens, polyclonal and monoclonal antibodies Services of customized manufacturing for mainly Rapid Diagnostic tests, ELISA, Colored antigens for Slide/Tube agglutination, Blood Grouping & Typing Anti-Sera, Infectious Disease Controls, Clinical Chemistry reagents and more. 		
Company Profile (150-200 Words)	Span Diagnostics Ltd. (Span) is an India-based company which is engaged in the manufacture and marketing of diagnostic reagents, which are utilized in clinical pathology laboratories. The company operates through three business divisions: The Span PDP (Popular Diagnostic Products Division) is involved in the research, development, manufacturing and marketing of reagents to address HIV, Hepatitis-B, Hepatitis-C, Malaria, Syphilis, Typhoid, Tuberculosis, Filariasis, Rheumatology and Blood grouping and typing antisera. Its Span ID (Instrument Division) division is focused on clinical pathology laboratories, hospitals, physicians, and research institutes. Its product portfolio consists of biochemistry analysers, ELISA system, haematology analyzers and Chemiluminescence. The Cogent (Clinical Chemistry Products Division) is engaged in the management of the clinical laboratories and hospitals in the areas of Biochemistry, Stains and Indicators and readymade analytical reagents.		

Collaborations (International)	1.Awareness Technology Inc., U.S.A 2.Technoclone GmbH & Co., Austria 3.Biotechnica Instruments s.p.a., Italy 4.Hitachi Chemical Diagnostics, Inc., USA 5.Furuno Electric Co. Ltd., Japan 6.R & D Systems, inc., USA
Collaborations (national)	1.All India Institute of Medical Science , Delhi 2.Anna University, Chennai 3.Delhi University, Delhi 4.Indian Institutes of Technology, Mumbai
Manpower	Total No. of Employees - 500 PG - 22 UG - 42
Recognition/Affiliations/Achievements	1.Accredited for ISO 9002 & WHO cGMP (2000) 2.Accredited for ISO 9001:2000 (2003) 3.Accredited for ISO 13485:2003 (2003) 4.CE Registration for 198 products
Overseas Expansion	1.Established JV company for R&D in France (2005) 2.Established subsidiary company – Span Biotronics Pvt. Ltd. for R&D
Future Plans	At Span diagnostics, Company pursues ethical and meaningful ways that makes it the most admired for its people, products, partnership, performance and practices to become a global leader in manufacturing novel, innovative and affordable diagnostic solutions. Company will continue to build a corporate which respects and values the unique strengths of company associates and perceived needs of the company customers, shareholders and society.


Sr. No.	PH : 30
Company Name	Stanmark Pharmaceuticals 
Address	805, Shitiratna, Panchwawti Cross Road Ahmedabad - 380006
Phone	91 79 2656 086991 79 2656 8655
E-mail ID	info@stanmarkgroup.com
Website	http://www.stanmarkgroup.com
Sector Activities	Therapeutics, Manufacturer and Marketer,Nutraceuticals
Founding Year	1993

Turnover (INR in crore)			1.74
Key Products/Services	Products: Anti Hypertensives, Anti Diabetics,Anti Inflammatory, Analgesics, Antipyretics, Anticold,Anti Ulcerants, Antiemetics, Antacids, Digestives, Antibiotics / Anti Bacterial, Gynac Speciality & Hormones, Nutritional supplements, Haematinics, Protein, B complex, Ointment / Skin Care		
Company Profile (150-200 Words)	Stanmark Pharmaceuticals is a Schedule M certified company engaged in the manufacturing and marketing of pharmaceutical formulations covering gynecology (including Hormones), pediatric, psychiatric, diabetic, general Medicine, dermatology, surgical, ayurvedic and nutraceuticals product segments. Stanmark has fully equipped plant comprising of state of art manufacturing and packaging facilities or producing quality products that cater to the specific needs of the markets around the world. The quality assurance department is well equipped with the latest Quality control equipments safeguards the Company's Commitments to quality. The company products confirm to I.P., B.P., U.S.P. and other internationally accepted pharmacopoeias. Focusing on the lifestyle disorder segments such as Cardiovascular, Anti-diabetics and Neuropsychiatry,they have been introducing several demand-based therapies. The company plant is certified to produce tablets, capsules, general and beta-lactum antibiotics, liquids ointments and hormones. The company's continuous effort to provide new products and forms they are diversifying into Herbal, Nutritional and Veterinary products.		
Manpower	Total No. of Employees - 500		
Recognition/Affiliations/Achievements	1.SCHWITZ: ISO 9001: 2000 certifications 2.A Schedule M certified company		


Sr. No.	PH : 31
Company Name	Sterling Biotech Limited 
Address	Jambusar State Highway, Village: Masar – 391 421, Ta.: Padra, Dist.: Vadodara, Gujarat, India.
Contact Person	Mr. Rajendra Neheter
Designation	Sr. General Manage

Fax	91-2662-237304		
E-mail ID	rajendra_nehete@sterbio.com		
Website	http://www.sterlingbiotech.in/		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Manufacturer of active pharmaceutical ingredients		
Founding Year	2006		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	1.09	72.23
Key Products/Services	Products: Oncology, Cardiovascular, Nutraceuticals, Anti-Hypertensives, CNS Drugs, Anti-Psychotics, Immunosuppressants, Antibiotics, Anti-Fungal, Anti-Diabetics		
Company Profile (150-200 Words)	Sterling Biotech Ltd. is in the areas of nutraceuticals, biopharmaceuticals and pharmaceuticals Their capabilities include state of art research centre, advance pilot plants for scale up studies, modern facility of bioreactors and range of down streaming process equipments. All this is coupled with dedicated and qualified work force, well equipped quality control laboratory and quality assurance systems. The Company strive to become leaders in nutraceuticals and biopharmaceuticals area by developing state of the art facility for research and development, contract manufacturing of active pharmaceutical ingredients and formulation products. Sterling Biotech Ltd. is committed to scaling new heights and creating new dimensions in biopharmaceutical and nutraceutical range of products. Sterling Biotech's manufacturing facility at Masar, Gujarat, is at par with international standards. It complies with cGMP norms complying to the standards of WHO and is in the process of getting COS for the active pharmaceutical ingredient, Ubidecarenone (Coenzyme Q10).		
Mergers / Acquisitions	Sandesara group acquired the mentioned site from Torrent Gujarat Biotech Limited in 2006 and named the company as Sterling Biotech Limited.		
Manpower	Total No. of Employees - 500		
Future Plans	The company will be focusing to expand its pharmaceutical business to Europe and US markets.		

Recognition/Affiliations/ Achievements	1.WHO GMP Certification (2013-2015) 2.CEP Certificate Doxorubicin HCL 3.Recognized by DSIR 4. In a short span of two years, Sterling Biotech Ltd. has launched Co-enzyme Q10, started a new modern research facility approved by DST/CSIR and an advance intermediate contract manufacturing site for a multi-national company.
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Sr. No.	PH : 32		
Company Name	Sun Pharma Advance Research Center 		
Address	FP No. 27, Part Survey No. 27 C.S No.1050, Village Tandajja, Vadodara- 390 020.		
Contact Person	Mr.Dilip S. Shanghvi		
Designation	Chairman and Managing Director		
Phone	91-265-2337579		
Fax	91-265-2332664		
E-mail ID	corpcomm@sunpharma.com		
Website	www.sunpharma.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics and Research and Development, Manufacturer and Marketer Laboratory, CRO/ Services		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	60
Key Products/Services	Products: NCE Projects: Anti cancer and anti inflammatory drugs NDDS Projects: Anti cancer Paclitaxel Injection for nandispersion (PICN), Wrap Matrix products, Somatostain analogues, Prostaglandin analogues, etc.		

Company Profile (150-200 Words)	Sun Pharmaceuticals, the parent company separated its active projects in drug discovery and innovation into a new company named Sun Pharma Advanced Research Center. This was done in order to bring in the right focus and opportunity for growth for different projects that address international markets. The company's current projects are in the area of NCE (New Chemical Entity) and NDDS (Novel Drug Delivery System). Sun pharmaceutical's brands are prescribed in chronic therapy areas like cardiology, psychiatry, neurology, gastroenterology, diabetology and respiratory. This group also offer its expertise for contract research assignments. The centre has Viral culture lab, Cell culture lab, Molecular Biology/Genetic engineering lab, Microbial Fermentation lab, Area for protein purification/ Down stream processing and preparative lab and have NMR, XRD, LC-MS/MS, HPLCs etc. Sun Pharmaceuticals an international speciality pharma company with over 8000 people, 19 manufacturing locations (including four in the US, one in Hungary and one in Bangladesh), two research centers and a presence in 30 countries. They are one of the leading pharma companies in India, a position that they've now been at for more than 5 years.
Mergers / Acquisitions	<ol style="list-style-type: none"> 1.Able Labs, USA for intellectual property and assets (2005) 2.Women's First Healthcare, USA for Niche brands like gynecological Ortho-Est® (estropipate) and the antimigraine preparation Midrin® (2004) 3.Phlox Pharma for Cephalosporin Actives and cefuroxime axetil amorphous manufacturing (2004)
Manpower	Total No. of Employees - 1000 Scientist - More than 800
Recognition/Affiliations/ Achievements	<p>Awards :</p> <ol style="list-style-type: none"> 1. Mr. Dilip S. Shanghvi was awarded JRD TATA Corporate Leadership Award AIMA (All India Management Association), 2014 2. Company of the Year Economic Times, 2013 3. Company of the Year, Business Standard (2013) 4. Sun Pharma was listed on Asia's Fab 50 Forbes 5. Company of the Year CNBC TV 18 India Business Leader Award 6. Sun Pharma was listed on World's 100 Most Innovative Companies Forbes (2012) 7. Mr. Dilip S. Shanghvi was awarded Businessman of the year Business India, Mr. Dilip S. Shanghvi was awarded Indian of the year (Business) CNN IBN, Mr. Sudhir V. Valia was awarded best CFO in pharma and healthcare CNBC TV 18 8. Pharmaceutical company of the year Frost & Sullivan India Healthcare Excellence Awards 9. Outstanding exporter of the year: Pharmaceuticals, Healthcare and Lifesciences CNBC TV 18: The International Trade Awards 10. Mr. Dilip S. Shanghvi was awarded First generation entrepreneur of the year CNBC TV 18 (2007) 11. Mr. Dilip S. Shanghvi was awarded Entrepreneur of the year (Healthcare and Lifesciences) Ernst and young (2005)

Overseas Expansion	1.Scales up 25 API including drug master files for US and Europe and develops and filed 2.266 products have been approved by the USFDA for sale in the United States.		
Sr. No.	PH : 33		
Company Name	Sunij Pharma Pvt. Ltd.		
Address	4227-4230 GIDC Phase IV, Vatva, Ahmedabad – 382 445 Gujarat India		
Contact Person	Mr. N.C. Dalal		
Designation	Founder		
Phone	91-79-2584 2066, 2584 0869		
Fax	91-79-2584 0742		
E-mail ID	sunijfactory@hotmail.com		
Website	www.sunijpharma.com		
Type of Organization	Private Limited		
Sector Activities	Exporter, Manufacturer, Supplier, Trader, Nutraceuticals		
Founding Year	1983		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.25
Key Products/Services	Products: Cardiac Care , Anti T.B., Anti T.B. Combipack Kits, Anti Inflammatory & Analgesic, Anti Biotics, Anti Asthamatic, Anti Ulcer, Steroids, Oral Liquid Preparation, Food Products		


Company Profile (150-200 Words)	SUNIJ is multi product, multidivisional integrated company with its State of Art manufacturing plant which is one of the foremost SSI units that confers WHO-GMP, Scheduled M & ISO-9001 2008 certifications. The company manufactures and markets various dosage forms of anti-tuberculosis, cardiac care, anti-inflammatory, analgesics, anti-asthmatics, anti-bacterials, steroids and anti-ulcer form through its nationwide dealer network. Their manufacturing practices are directed to ensure better utilization of capacities, investments in upgraded technology to enhance efficacy of operations and quality standards. SUNIJ has also undertaken contract manufacturing of prestigious brands of multinationals as a part of marketing.
Manpower	Total No. of Employees - 100
Recognition/Affiliations/Achievements	1.WHO-GMP certification 2.Director General of Quality Assurance (DGQA) certification 3.DGHS Manufacturing Registration & ISO-9001 2008 certification

Sr. No.	PH : 34
Company Name	Switzer Life Science Pvt. Ltd. 
Address	12 Ram Appartment, Nr. Atmadarshan society, Bhattha, Paldi, Ahmedabad-7
Contact Person	Mr. Jayesh R.P.
Designation	Director (Marketing)
Phone	0091-9879 160 525
E-mail ID	switzerlifescience@gmail.com, info@switzerlifescience.com
Website	www.switzerlifescience.com
Type of Organization	Private Limited
Sector Activities	Exporter and Nutraceuticals
Founding Year	2008

Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	Products: Soft Gels, Anti-Depressant, Anti-Convulsant, Anti-Asthmatic, Antacid, Diuretic, Erectile Dysfunction, Drug Acting on Urethra & Vagina, Drug Acting on the Uterus, Topical Infective, Anti-Diabetic & Hyperglycaemics, Anaesthetics, Anti-Psychotics & Antimanics, Anti-Hypertensive Drug, Urinary Anti Infective, Anti Ulcer & Anti-Secretory Drug, Anti-Diarrhoeal, Anaerobicidal / Anti-Protozoal, Anti Malarial Drug, Corticosteroid, Anti-Cancer Hypolipidaemic Agent, Antiseptic Preparation, Pylori Kits, Anti-Emetic, Anti-Angina, Anti Spasmodic & Drug Modifying Intestinal Motility, Anthelmintics & Anti-Intestive Drugs, NSAIDs, Anti Tubercular Drug, Anti Biotic & Anti-Bacterial, Anti Fungal, Anti Viral, Nutritional, Vitamins, Herbal Medicines, Veterinary Products		
Company Profile (150-200 Words)	Switzer Lifescience Pvt. Ltd. offers pharmaceutical formulations in almost all the therapeutic segments. The company has a multi product portfolio of more than 200 fast moving pharmaceutical formulations in almost all the dosage forms like tablets, capsules, oral & external liquids, ointments, injections. Switzer Lifescience is a rapidly upcoming pharmaceutical formulations manufacturing, marketing & exports company. Manufacturing and marketing of quality pharmaceutical formulations affordable to the global masses having international quality is the motto of Switzer Life Science. Switzer Life Science wants to expand its reach to virtually every corner of the globe by continuously adding new business associates and agents all over the world for its pharmaceutical formulations. Having world class manufacturing facilities at Gujarat, the pharmaceutical hub of India, Switzer Life Science is all set to meet the upcoming challenges in the field of healthcare.		
Manpower	Total No. of Employees - 5		
Recognition/Affiliations/Achievements	1. WHO-C GMP certification 2. UKMHRA certification		

Sr. No.	PH : 35
Company Name	Swati Spentose Pvt Ltd
Address	Plant : A-1/2102, A-1/2103, Phase III, GIDC, Vapi, Gujarat - 396195

Phone	+91- 2266332427/31		
Fax	+91- 2222071955		
E-mail ID	info@spentose.com		
Website	http://www.spentose.com		
Type of Organization	Private Limited		
Sector Activities	Manufacturing of APIs in urology, chronic progressive vas-cular disease and diabetes		
Founding Year	1990		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	45
Key Products/Services	Products: Pentosan Polysulfate sodium, Lidocaine HCl/ Base, Dextran Salts, Meloxicam, Hydroxyl Ethyl Starch, Phenytoin Base/ Sodium		
Company Profile (150-200 Words)	Swati Spentose has established unique-cutting edge technology platforms in the development of Polysaccharides bio-generics, in collaboration with world renowned research platforms like Mt Sinai School of Medicine and clinicians and scientists world over.		

Sr. No.	PH : 36		
Company Name	Tripada Healthcare Pvt. Ltd. 		
Address	Tripada Healthcare Pvt. Ltd. 3, Yogi Complex, Nr. Doordarshan Kendra, Thaltej, Ahmedabad -380054		
Contact Person	Mr. Hasmukh Modi		
Designation	CEO		
Phone	9426516516, 079 26851123 / 079 26857211		
Fax	079 26857211		

E-mail ID	info@tripadahealthcare.co.in, tripadahealthcare@gmail.com		
Website	www.tripadahealthcare.co.in		
Type of Organization	Private Limited		
Sector Activities	Therapeutics, Manufacturer and Markete, Nutraceuticals		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.15
Key Products/Services	Products: Antipsychotics, Nootropic drugs, Antidepressants & Antimanics, Drugs used in migrane, Hypnotics, Analeptic, Drugs in vertigo, Laxatives, Vitamines, Antioxidants, Antiulcerants		
Company Profile (150-200 Words)	<p>Tripada Healthcare is a well known pharmaceutical Company introduced by group of committed, dedicated and experienced professional with a better healthcare and consistently adhering to supreme grade quality standard. It turned out into a force reckon with quality, availability within the affordable reach of the continuous new development of the product, manufactured under strict quality control and as per Schedule M, WHO, GMP guidelines. Tripada has market exposure in more than 9 states of India with wide product segment like tablets, capsules, syrups. The company adjusts and adopts to the changing needs of the consumers and remains dedicated in its precious efforts to serve them to the best of its ability.</p>		
Recognition/Affiliations/ Achievements	A schedule- M, WHO, GMP Certification		

Sr. No.	PH : 37		
Company Name	Unimark Remedies Ltd 		
Address	337, Kerala Nalsarovar Road, Taluka - Dholka, Village - Bavla, Ahmedabad -382220, INDIA		
Contact Person	Shri. Sandip J. Parekh		
Designation	Technical Director		

Phone	91(02714) 304100		
Fax	91(02714) 268381 / 268229		
E-mail ID	business@unimarkremedies.com		
Website	www.unimarkremedies.com		
Type of Organization	Limited Company		
Sector Activities	Therapeutics, Manufacturer, API & Intermediates		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	6.67
Key Products/Services	Products: Semi-Synthetic Penicillins, Carbapenems, Antibacterials / Antimicrobials, Phosphate Binder, Manufacturing of API & Intermediates CRAMS		
Company Profile (150-200 Words)	Unimark Remedies Ltd., a research driven pharmaceutical company, engages in manufacturing active pharmaceutical ingredients and specialty intermediates. Its product categories include cephalosporins, semi-synthetic penicillins, carbapenems, antibacterials/antimicrobials, cardiovasculars, antimuscarinic, NSAID, analgesic, antimigraine, antigout, antiasthmatic, anticonvulsant, antiepileptic, antipsychotic, schizophrenic, phosphate binder, anticoagulant, and oncology. The company was founded in 1984 and is based in Mumbai, India with a biotechnology center in Ahmedabad.		
Mergers / Acquisitions	KDL Biotech, Acquired majority of stakes in semi-synthetic penicillin manufacturing facility (2007)		
Manpower	Total No. of Employees - 500		
Recognition/Affiliations/ Achievements	1. FDA approval 2. EDOM, WHO, OHSAS 18001, DQS14001:2004 certifications 3. USFDA Approval for Cephalosporin facility at Ahmedabad (2007)		

Sr. No.	PH : 38	
Company Name	Vipro Lifesciences	

Address	402-403, Sarthik II, S.G.Road,Ahmedabad - 380054,Gujarat, India.		
Contact Person	Mr. Satheesh Kumar		
Phone	079-40220399		
E-mail ID	business@viprolifescience.com		
Website	www.viprolifescience.com		
Type of Organization	Private Limited		
Sector Activities	Therapeutics, Manufacturer, Exporter and Service provider		
Founding Year	1987		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	17.85
Key Products/Services	Products: Pharmaceuticals & Herbal Products, Tablets, Capsules, Syrups Services: Contract Manufacturing Services		
Company Profile (150-200 Words)	Vipro Lifescience, a division of Vaishali Lifecare Pvt. Ltd. is one of the leading Exporters of Pharmaceutical Products and also provides contract manufacturing services to third parties throughout India and other countries. With its contract manufacturing services Vipro shares an approach of economically sound partnership with its customers. Vipro from its inception, emphasize on rigorous internal R&D to develop cost effective and environment friendly processes for producing technically complex products of the highest quality.		
Manpower	Total No. of Employees - 100		
Recognition/Affiliations/ Achievements	ISO 9001:2000, WHO GMP, HACCP certifications		



Bio-Services →

Bio-services Analysis

Sr No.	Name of Companies	Bioservices			Clinical Research Services						Approvals, Certificates and Achievements						
		Diagnostics	Biopharma Therapeutics	IPR Services	Bioequivalence	Bioavailability	Pharmacokinetics	Pharmacovigilance	Biostatistical Service	Project Management & Planning	Contract Research	USFDA	ANDA	DCGI	NABL	MHRA	Others
15.	Jai research foundation	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●
16.	Kendle Data & Technologies (India) Private Limited	○	○	○	○	○	○	○	○	○	●	○	○	○	○	○	○
17.	Lambda Therapeutics Research Limited	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○
18.	SGS India Private Limited	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
19.	SkyQuest Technology consulting Pvt Ltd	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○
20.	SN Genelab	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
21.	Stem Cure Private Limited	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
22.	Stemocyte India Therapeutics Pvt. Ltd.	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○
23.	Step Up Labs Pvt. Ltd.	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
24.	Synchron Research Services Pvt. Ltd.	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
25.	Veeda Clinical Research	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
26.	Xcelris Labs. Ltd. (Diagnostics)	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Bio-services

Bio-services segment is the second largest segment of Indian Biotechnology sector which mainly include clinical research as well as Contract research and manufacturing services (CRAMs). The pharmaceutical market uses outsourcing services from low cost providers in the form of contract research organization (CROs) and contract manufacturing organizations (CMOs). Contract research organizations provide such services as preclinical research, clinical research and clinical trials management along with pharmacovigilance and pharmacokinetics. Gujarat is home to approximately 40 percent of CROs in the Country. It is well established sub-sector with strong infrastructure facilities and relatively low real estate costs has lured many global and local CROs to set up their centers in the state.

Apart from these services many companies also provide services in the field of agriculture-biotechnology. Majority of these services include analysis of soil, water, pesticides/insecticides, diagnosis of infected crops/plants, agricultural products inspection services, laboratory testing for food products, seed health testing, seed testing and analysis, seed coating, molecular marker analysis for crops (SSR, SNP), GMO testing, crop improvement services etc.

Since the last decade major and well established pharmaceutical firms are investing in R&D of biotechnology products. As there is an increase in the number of innovative biotech products there is perpetual need for patenting these products for their commercial production and overseas marketing. As a result, IPR (Intellectual Property Rights) driven firms have surfaced in Gujarat in the last decade. Several companies like H.K. Acharya & Company, SkyQuest Technology Consulting Pvt Ltd and Infinvent IP provide IP focused services namely IP Landscaping, Valuation, Marketing, out licensing, patent, trademark and copyright filing to research institutions and biotechnology companies.

Revenue Profile

The total turnover of Bio-services Companies in FY 2013-14 is 472 Crores (As per available data).

Sr.No.	Company	Revenue (INR Crores) (2013-14)	Sr.No.	Company	Revenue (INR Crores) (FY 2013-14)
1	Accutest Research Laboratories*	5.0	17	SN Genelab#	3.0
2	AmpliGene India Biotech Pvt. Ltd.*	2.0	18	Stem Cure Private Limited#	0.5
3	Anash Clinical Research Solutions*	1.0	19	StemCyte India Therapeutics Pvt. Ltd.*	11.1
4	Bench Bio Pvt. Ltd.*	0.5	20	Step Up Labs Pvt. Ltd.#	12.0
5	Bhishma Agri*	0.4	21	Synchron Research Services Pvt. Ltd.#	22.0
6	Bio Arc Research Solutions*	5.0	22	veeda Clinical Research*	50.0
7	Biocare Research (I) Pvt. Ltd.#	0.3	23	Xcelris Labs Ltd*	80.0
8	Genexplore Diagnostics & Research Centre Pvt. Ltd.	0.10		Total	472
9	H.K. acharya & company#	9.91			
10	Incotech India Pvt. Ltd. #	1.0			
11	Infinvent IP*	2.0			
12	Jai research foundation*	5.0			
13	Kendle Data and Technologies (India) Private Limited*	50.0			
14	Lambda Therapeutics Research Limited*	200.0			
15	SGS India Pvt. Ltd.*	5.0			
16	SkyQuest Technology consulting Pvt. Ltd.*	5.1			

Table BS1 : Turnover of Bio-services Companies of Gujarat in FY 2013-14

Estimated Biotechnology turnover derived from a) RBI estimation, b) MOU of Commissioned Projects
 #Turnover of Biotechnology Business only as per communicated by telephonic discussions & companies' Annual Reports

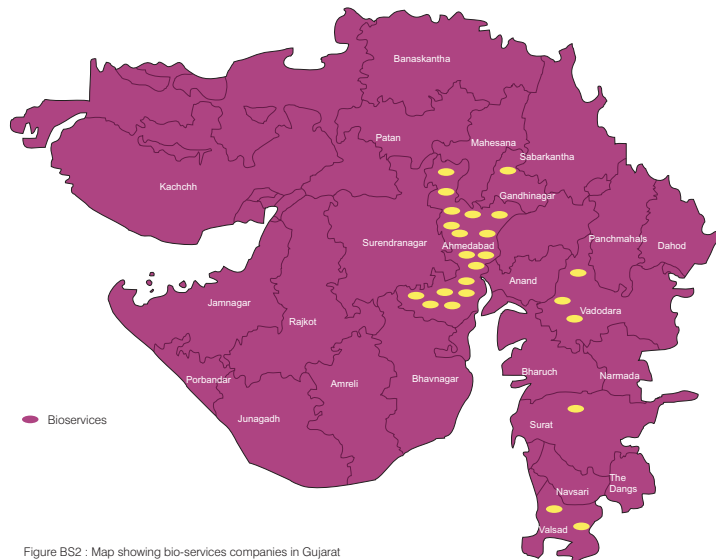




Figure BS2 : Map showing bio-services companies in Gujarat

Sr. No.	BS : 1		
Company Name	Accutest Research Laboratories		
			
Address	The Grand Monarch, Near Seema Hall & APM Supermarket, 100ft Anand Nagar Road, Satellite, Ahmedabad, Gujarat, India		
Contact Person	Mr. Nilesh Mehta, Ms. Shirali Shah		
Designation	Director		
Phone	91-79-4023 1700, 91-22-27780718/19/20, 079-40231600		
Fax	91-79-4002 9317, 91-22-27780721		
E-mail ID	business@accutestindia.com, shirali.shah@accutestindia.com, hr@accutestresearch.com		
Website	www.accutestindia.com		
Type of Organization	Private limited		
Sector Activities	Research and development-Formulation, CRO, Services		
Founding Year	1998		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5.0
Key Product/Services	Clinical Services: Bioavailability / Bioequivalence Services, Clinical Operations: Feasibility & Patient Access Planning, Project Management & Planning, Clinical Monitoring, Custom assay design, method development, validation and transfer - to test APIs, new biologics and generic biologics		
Company Profile (150-200 Words)	Accutest Research Laboratories is a Contract Research Organisation (CRO) established in 1998 by technocrat entrepreneur duo Dr. Satish Sawant (Ph.D Analytical Chemistry) & Dr. Santosh Joshi (Ph.D Analytical Chemistry). With its commitment to quality, transparency & integrity, Accutest is known as a dependable & reliable partner to the pharmaceutical & drug development companies. Today Accutest has emerged as a "Total Partner in Drug Development Process" with core competencies in bioequivalence/bioavailability studies, formulation development, clinical trials [phase ii - phase iv] & clinical data management.		


Recognition/Affiliations/ Achievements	<p>Awards:</p> <ol style="list-style-type: none"> One of Best 100 CFO Award (2014) India Inc. 500 Award for being one of the fastest growing companies (2013) BID Quality Award in Gold Category (2013) The International Award for Quality and Excellence "The Majestic Five Continents Award" <p>Achievements:</p> <ol style="list-style-type: none"> First USFDA approval for ANDA, submitted from Mumbai (2004) First MCC and ANVISA approval for Mumbai facility, Diversified into Clinical Trial services at Pune (2005) Private Equity investment from Aureos Capital and further diversified into Formulation Development services with independent centre at Mumbai. First WHO approval for Mumbai facility, First ANVISA approval for Pune facility (2006) First USFDA approval for ANDA submitted from Ahmedabad First approval from AFSSAPS (France) and BASG (Austria) for Mumbai facility Achieved milestone of 125+ ANDA submissions Accreditation from NABL for Pathology Laboratory at Ahmedabad facility (2009) Approval from Institute of Public Health, Chile for Mumbai and Ahmedabad facilities Inspection by US-FDA reached a total of 10, Expanded BA/BE operations with new facility at Vadodara (2011) Approval from MOH-Malaysia for Mumbai and Ahmedabad facilities First ANVISA approval for Vadodara facility. Approval from MOH-Turkey for Ahmedabad and Vadodara facilities. The company's pathology labs are accredited by the College of American Pathologists (CAP) & National Accreditation Board for testing and Calibration Laboratories (NABCL) (2013)
	<p>Overseas Expansion</p> <ol style="list-style-type: none"> Launched the biologics business through a subsidiary, QuantImmune Solutions Pvt. Ltd Reached a Bio-analytical capacity of 20+ LC-MS/MS, 2007
Any other details	<p>QuantImmune Solutions Pvt. Ltd. (A Subsidiary of Accutest Research Laboratories India Pvt. Ltd.) is a contract research organization registered in India in 2012 for providing GLP and GCLP compliant commonly referred to as Bio-therapeutics, such as cytokines, chemokines, enzymes, fusion proteins and monoclonal antibodies. QuantImmune is established as a subsidiary of Accutest Laboratories- one of India's leading and largest CROs, with a 15 year track record of successful execution across BA/BE, formulation development and phase II-IV clinical trials and a strong base of existing clients globally. QuantImmune has expertise in the fields of cell biology, immunology, molecular biology and biochemistry for tackling complex projects, pertaining to Bio-analytical testing and immunogenicity testing of biologics in an innovative and timely manner; under one roof. In addition, the company in-depth expertise allows us to provide a wide array of services that will be focused to help and complement the needs of the company clients.</p>

	<p>Services Provided: Custom assay design, method development, validation and transfer - to test APIs, new biologics and generic biologics, Biological Activity (Activity/Potency Assays), in vitro bioassays, In vivo bioassays, Immunogenicity testing : Multi-tiered approach, Anti-Drug Antibody (ADA) Testing, Binding Antibody Testing (Screening and confirmation) - Enzyme-Linked Immunosorbent Assay (ELISA), Standard sandwich ELISA, Bridging ELISA, Surface Plasmon Resonance (SPR; BioRad ProteOn XPR36), Neutralizing Antibody (NAb) Testing with Blocking Assays, Related to mechanism of action of biologics - Receptor Binding, Cell based functional assays, Immunotoxicity (Pre-clinical testing), Biochemical Characteristics of Biologics, Size, concentration, pH and Osmolarity, Identity - (N-terminal, C-terminal, peptide mapping, immunoblots, bioassays), Purity (1D/2D SDS-PAGE, HPLC, immunoblot, DNA, endotoxin, viral (Bioburden), Physicochemical integrity – Biologics, Impurities from aggregates and degraded products, Post-translational modifications (glycosylation, acylation, phosphorylation, etc), Stability studies (link: www.quantimmune.com)</p>		
Sr. No.	BS : 2		
Company Name	Ampligene India Biotech Pvt. Ltd. 		
Address	1006, Sears Tower, Gulbai Tekra, Ellisbridge, Ahmedabad - 380006, Gujarat, India		
Contact Person	Mr. Shital		
Phone	91-79-40091122, 91-7567131194		
E-mail ID	info@ampligeneindia.com, ampligeneindia@gmail.com		
Website	www.ampligeneindia.com		
Type of Organization	Private Limited		
Sector Activities	Research and Development, Diagnostic services		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	2.0

Key Products/Services	<p>Products: LAMP Reagents, PCR Reagents, Isothermal amplification kits, PCR kits, Other molecular tests Services: R & D, Contract Research, Testing services, Scientific consultancy Training</p>
Company Profile (150-200 Words)	AmpliGene India Biotech Pvt Ltd is a R&D based company mainly focusing on innovative and affordable products & solutions in the field of biotechnology and life sciences. They are also Indian distributor for the UK based company OptiGene Ltd. They offer a number of products and solutions that are primarily geared towards making molecular detections fast, sensitive and truly portable.
Manpower	Total No. of Employees-18 Ph. D-2 PG-4 UG-5 Microbiologist-5 Biotechnologist-2
Future Plans	Contribute to the advancement of human, animal and plant health through innovative research. Committed to make genetic testing easy, cheap, reliable and truly portable.

Sr. No.	BS : 3		
Company Name	Anash Clinical Research Solutions 		
Address	17, Medicare Centre, Opp. Gujarat Bhavan, Nr. M.J. Library, Ellisbridge, Ahmedabad, India- 380 006		
Phone	91- 79- 645 04304		
E-mail ID	info@anashclinicalresearch.com		
Website	www.anashclinicalresearch.com		
Sector Activities	CRO		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.0
Key Products/Services	<p>Services: 1.Development and design of protocol, C.R.F., I.C.F. 2.Preparation of Investigator Brochure, Clinical Trial Logs as well as other vital clinical trial documents like Expert Report (for EU submission), Clinical Study Report etc.</p>		

	<p>3.Translation and back translation of I.C.F. in all Indian languages 4.Investigator and Site Identification 5.Contract Staffing and Independent Monitoring 6.Pharmacovigilance Monitoring 7.Liability Insurance Procurement 8.Project Management 9.Negotiation of site contract/budget</p>
Company Profile (150-200 Words)	<p>Anash clinical research solutions is a group of experienced and dedicated investigators and clinical research professionals for conducting smooth and ethical clinical trials in India. This organisation offers wide range of services in clinical research to investigators, contract research organizations (C.R.O.) and sponsored pharmaceutical and biotechnology companies at the most effective cost. The company's goal is to speed up the lengthy clinical trial procedure in compliance with the guidelines of the respective regulatory authorities like US-FDA, EMEA, DCGI, MHRA, MHLW, MCC, ANVISA etc.</p>
Recognition/Affiliations/ Achievements	ISO 9001:2008 Certified Company

Sr. No.	BS : 4
Company Name	Astron Research Ltd 
Address	10th Floor, Premier House, Opp. Gurudwara, Sarkhej-Gandhinagar Highway, Bodakdev, Ahmedabad - 380054, Gujarat, India
Contact Person	Mr. Kirti Maheshwari
Designation	Director
Phone	+91-79-2685 3518
Fax	+91-79-2684 0224
E-mail ID	nitin_patel@astron-research.com
Website	http://www.astron-research.com
Type of Organization	Public Limited
Sector Activities	Service provider

Founding Year	2001
Key Products/Services	Services: Dossier development, Formulation research, Analytical research, Regulatory affairs related services
Company Profile (150-200 Words)	<p>Astron Research Limited, a leading IP oriented pharma contract research organization, is a fast growing Pharma Contract Research Organisation (CRO) with a strong quest to deliver best services to the rapidly growing healthcare industry and has embarked its presence as a prominent global CRO.</p> <p>The Company was established in the year 2001 with an objective to provide prompt and reliable services to Pharma sector worldwide and improve the product quality with the help of technological innovations and upgradations. Astron commenced its UK operations in 2004 for quality testing and QP release of finished formulations and API. This facility is now UK-MHRA approved.</p>
Manpower	300 (Research Professionals)
Recognition/Affiliations/ Achievements	1.UK MHRA Approval 2.45 ANDAs filed in US and 64 EU CTD dossiers developed till 2010

Sr. No.	BS : 5
Company Name	Bench Bio Pvt. Ltd. 
Address	P.O. Box No.34, Vapi, Dist Valsad, Gujarat, India- 396195
Contact Person	Mr. Manash Chatterjee
Designation	Founder and Director
Phone	91-260 6544244 / +91-260 6532244
Fax	91-22 66466908
E-mail ID	info@benchbio.com
Website	www.benchbio.com
Type of Organization	Private Limited

Sector Activities	Service Provider		
Founding Year	2007		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	Services: Custom mutant population creation, phenotyping and seed management, allele discovery Crossing and mutant characterisation, marker development, crop improvement services		
Company Profile (150-200 Words)	<p>Bench Bio Private Limited (BenchBio) is a privately held Indian start-up company with strong European links providing biotechnology solutions to the agricultural sector worldwide. BenchBio is located at Vapi (Gujarat) and is focusing on discovering important traits in plants both for agricultural and consumer value. BenchBio is creating, as well as discovering, alleles using a non-transgenic (non-GM) method known as "Allele Discovery Platform (ADP)" a development of the tilling and eco-tilling methods.</p> <p>BenchBio makes use of the large amount of freely available DNA sequence information for a wide range of crops. BenchBio does reverse genetics and works with an organism's own genome (DNA) and is therefore non-transgenic (no foreign DNA added). There is significant advantage of this method; it is consumer friendly and most importantly the cost and time to develop new varieties is reduced significantly because regulatory hurdles are non-existent.</p> <p>The company's advanced biotechnology laboratory facilities are recognised by Department of Scientific and Industrial Research (DSIR), Government of India. The laboratory facilities are complemented by extensive field work capacity. BenchBio has temperature controlled glasshouses including a state of the art air conditioned glasshouse. These facilities enable BenchBio to satisfy precisely the climatic requirements for a very wide range of world crops. BenchBio has strengths in bioinformatics, molecular biology, plant biochemistry and plant breeding. In addition, the company has unique access to a network of outstanding scientists, plant breeders and business advisors throughout India and Europe.</p>		
Collaborations (International)	BenchBio has strong links with top European plant research teams. Prior to forming BenchBio, the founder worked at NIAB (National Institute of Agriculture Botany), Cambridge, UK and collaborated with Dr Abdelhafid Bendahmane, Director of Crop Research		
Mergers / Acquisitions	1. INRA/ URGV lab 2. King Saud University / Center of Excellence in Biotechnology Research 3. Genoscreen		
Recognition/Affiliations/ Achievements	Department of Scientific and Industrial Research (DSIR) approval		
New Technology	New Non-GM technology Platform		

Sr. No.	BS : 6		
Company Name	Bhishma Agri-research Biotech Company 		
Address	207, 2nd Floor, Liberty Complex, Opp. Fairdeal House, Swastik Soc, Navarangpura, Ahmedabad, Gujarat		
Contact Person	Mr. Jayantibhai Patel		
Phone	+91 - 79 - 30026073		
Fax	+91 - 79 - 26425135		
E-mail ID	info@bhishmabiotech.com		
Website	www.bhishmabiotech.net		
Type of Organization	Private Limited		
Sector Activities	Service Provider and supplier		
Founding Year	2002		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.4
Key Products/Services	Services: Protein detection strips for Cry 1 and CP4 gene, soil and water testing/analysis, PCR based zygosity testing, ELISA testing for Cry 1 and CP4 gene		
Company Profile (150-200 Words)	<p>Bhishma biotech is a leading global provider of technology-based solutions and agricultural products that improve farm productivity and food quality. The company's prime focus is on enabling both small-holder and large-scale farmers to produce more food, feed, fibre from their land while conserving more of our world's natural resources such as water and energy. Bhishma biotech is a leading global provider of technology-based solutions and agricultural products that improve farm productivity and food quality.</p> <p>As the world's largest investor in seed and biotechnology research investing \$ 1 billion/rs. 5,000 crores annually to discover and deliver innovative, high-yielding technologies that help farmers increase productivity. The company's emphasis on agriculture is in two distinct segments: seeds and traits (s&t) - corn, cotton, soybean, canola, sugarcane, wheat and vegetables; and agricultural productivity – an herbicide for weed management.</p>		

Recognition/Affiliations/ Achievements	ISO 9001:2008 Certified
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Sr. No.	BS : 7		
Company Name	Bio Arc Research Solutions 		
Address	Alembic Research Centre, Alembic Road Vadodara, Gujarat 390003 India		
Phone	91-265-3007-652, 91-93272-26704		
Fax	91-265-2281-173		
E-mail ID	bp.saradhi@alembic.co.in		
Sector Activities	CRO, Manufacturer, Supplier/Services2003		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5.0
Key Products/Services	<p>Products: Healthcare Products Services : Synthesis</p> <p>1.Route identification and Selection 2.Custom Synthesis & compound supply of NCEs 3.Process innovation, development and optimization 4.Process/technology development for IND and clinical compounds Manufacturing</p> <p>1.Scale-Up from mg-gm-Kg-MT levels 2.Manufacturing of intermediates and advanced intermediates 3.Supplies of API adhering to cGMP norms</p> <p>Special services</p> <p>1.Phosgene chemistry & manufacture of phosgene derivatives 2.Management of Hazardous reaction by proper Process Engineering Impurity Profiling</p> <p>1.Preparation & enrichment of impurities 2.Isolation of impurities using chromatographic techniques and their characterizations 3.HPLC & GC based Method Development & Validation as per protocol</p>		

Company Profile (150-200 Words)	BioArc Research Solutions, a division of Alembic Ltd is a contract research organization providing a wide range of services to research based pharmaceutical and biotech companies. The company is involved in Pre-Clinical Biology Research, Chemistry, Bio equivalence studies for known generic molecules across the following domains namely Cancer, Diabetes, Infectious Diseases, Respiratory, Medicine and Urology.
Manpower	Total No. of Employees - 100

Sr. No.	BS : 8		
Company Name	Biocare Research (I) Pvt. Ltd. 		
Address	1st floor, Kanth Complex , Near Mahavir Jain Vidhyalaya, Paldi Cross Roads, Ahmedabad-380 007, Gujarat, INDIA		
Contact Person	Dr.Dilip N Zaveri		
Designation	Director		
Phone	91-79-26577901, 9638222718		
Fax	07926577901, 079-26577903		
E-mail ID	info@biocareindia.com , anuragzaveri@yahoo.com, anurag@biocareindia.com, drdilip.n.zaveri@gmail.com		
Website	www.biocareindia.com		
Type of Organization	Private Limited		
Sector Activities	R&D and CRO		
Founding Year	1992		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.3


Key Products/Services	Services: Laboratory Testing, Clinical testing, Training, Food Testing, Medical laboratory testing, Laboratory Management, Pharmaceutical Testing, Industrial testing and research, Veterinary testing, Biological studies
Company Profile (150-200 Words)	Biocare was established in 1992 with the aim of developing a unique and advanced microbiology centre with all modern facilities. Biocare is an organization that is committed to bring excellence in the field of diagnostics and industrial microbiology. The company offers a wide range of quality assured clinical tests, industrial testing and conducts research using ultra modern technologies meeting international standards. Biocare aims at popularizing the use of microbiology for better diagnosis, patient's management, industrial product testing, raw material testing, veterinary science etc.
Manpower	Total No. of Employees-18 Ph. D.-2 PG-4 UG-5 Microbiologist-5 Biotechnologist-2
Recognition/Affiliations/ Achievements	1.ISO 9001:2008 Microbiology company 2.ISO/IEC 17025:2005 3.NABL accredited 4.Gujarat University Affiliated
Future Plans	Molecular testing and expansion in the area of research (Specially biological) and product development research.

Sr. No.	BS : 9
Company Name	CBCC Vibgyor Research 
Address	608, ISCON Elegance, Opp. Karnavati Club, S.G. Highway, Ahmedabad, Gujarat-380015
Contact Person	Dr. Ravi Patel
Designation	Managing Director
Phone	+91 79 66168812/13/14
Fax	+91 79 66168811
E-mail ID	info@vibgyorcare.com
Website	http://www.vibgyorcare.com
Sector Activities	Service provider


Founding Year	2000
Key Products/Services	Clinical research services for Phase II-IV clinical trials and Post Marketing Registry trials
Company Profile (150-200 Words)	CBCC-vibgyor Research (formerly known as Vibgyor Scientific Research) is a therapeutically focused, boutique contract research organization providing a wide spectrum of clinical research services for Phase II-IV clinical trials and Post Marketing Registry trials, to the Pharmaceutical, Biotechnology and Medical device companies.CBCC-Vibgyor was established in the year 2000 with a vision to provide streamlined, cost effective and high-quality contract research services to help pharma, biotech and device companies to accelerate delivery of safe therapeutics.
Recognition/Affiliations/ Achievements	ISO 9001:2008 certification
Collaborations (International)	CBCC USA, 2012

Sr. No.	BS :10
Company Name	Fisher Clinical Services 
Address	Pharmez, The Pharmaceutical Special Economic Zone, Nr, Village: matoda, Ta- Sanand, NH 8A, Gujarat 382213
Contact Person	Dr Pramod Kabra
Designation	General Manager
Phone	+91 2717662200
Website	www.fisherclinicalservices.com
Sector Activities	Service provider
Founding Year	2009


Key Products/Services	Clinical trial services
Company Profile (150-200 Words)	Fisher Clinical Services, Ahmedabad, is the only facility in the Asia Pacific fully audited and approved by the MHRA for clinical trial packaging. Strategically located in a Free Trade Zone, multinational and local pharmaceutical and biotech sponsors select Fisher Clinical Services as the partner of choice. They provide a breadth of services at local level, from importation to primary and secondary packaging, comparator sourcing, labeling, storage and distribution, all the way through to destruction.
Recognition/Affiliations/ Achievements	MHRA approval

Sr. No.	BS :11		
Company Name	Genexplore Diagnostics & Research Centre Pvt. Ltd. 		
Address	402, 4th floor, Kush Complex, Naranpura Char Rasta, Naranpura, Ahmedabad- 380013		
Contact Person	Dr. Alpesh Patel		
Designation	Director & Geneticist		
Phone	079 27434303, 09824999084		
E-mail ID	info@genexplore.co.in		
Website	www.genexplore.co.in		
Type of Organization	Private limited		
Sector Activities	Service provider		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.10

Key Products/Services	Services:Karyotyping from different Samples: Peripheral Blood, Bone Marrow, Amniotic Fluid, Product of Conception (POC), Chorion Villus Biopsy (CVS) Fluorescence In-situ Hybridization(FISH) Analysis For: Aneuploidy ((Chromosome 13,18,21,X and Y), BCR/ABL translocations, PML/RARA Molecular Genetic Diagnosis: Conventional PCR based (Beta Thalassemia, Cystic Fibrosis, DMD, BMD, MTHFR, SCA mutations, Y chromosome Microdeletion, Real Time PCR based
Recognition/Affiliations/ Achievements	An ISO 9001:2008 certified company

Sr. No.	BS :12		
Company Name	H.K Acharya & Company 		
Address	H.K Avenue,19 Swastik society ,Navrangpura, Ahmedabad 380009		
Contact Person	Dr. Rajesh kumar Acharya		
Designation	Proprietor		
Phone	(079) - 26425258/ 59		
Fax	(079) - 26425262/ 63		
E-mail ID	info@hkindia.com		
Website	www.hkindia.com		
Type of Organization	Advocates: Patent and Trade Marks Attorneys		
Sector Activities	Service provider		
Founding Year	1997		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	4.73	8.63	9.91


Key Products/Services	Services: Patents, Trademarks, Design, Copyrights, Geographical indication, Cyber lawlives
Company Profile (150-200 Words)	Company provides legal and technical insight needed for intellectual property to prosper and grow.
Manpower	Total No. of Employees - 76

Sr. No.	BS :13		
Company Name	Incotech India Pvt. Ltd. 		
Address	Opp. PharmaLab, Sarkhej-Bavla Highway, Moraiya, Ta: Sanand, Ahmedabad- 380006, Gujarat		
Contact Person	Mr. Manish Patel		
Phone	91-9825046614		
Fax	91-2717-251932		
Website	www.incotec.com		
Type of Organization	Private Limited		
Sector Activities	Supplier and services provider		
Founding Year	2002		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	1.0
Key Products/Services	Services: Seed priming, disinfectants, seed health testing, seed testing and analysis, seed coating, molecular marker analysis for crops (SSR, SNP), GMO testing, hybrid purity testing for many different crops using Ultra-thin Layer Isoelectric Focusing (UTLIEF) analytical services		

New Products Launched	Announces unique breakthrough with its Thermoseed treatment
Company Profile (150-200 Words)	Incotec India Pvt Ltd contributes significantly to the development of sustainable agriculture worldwide by providing key solutions in the four business areas, vegetables, field crops, ornamentals and analytical services. Incotec provides services in seed coating, pelleting, seed enhancement and analytical testing for genetic analysis and quality inspection.
Collaborations (International)	Industries/Institutes of Europe, North Africa, China, Japan, Australia and South Africa
Manpower	Total No. of Employees - 10

Sr. No.	BS :14		
Company Name	Infinvent Ip 		
Address	A-9, Amruta Society, Nizampura, Vadodara, Gujarat 390002		
Contact Person	Mr. Bhavik Patel		
Phone	09426041019		
E-mail ID	info@companyname.com		
Website	www.infinventip.com		
Type of Organization	Private Limited		
Sector Activities	Service Provider		
Founding Year	2012		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	2.0
Key Products/Services	Services: Filing of Patent, Trademark, Copyright and Design, IP Management, Legal resource outsourcing		

Company Profile (150-200 Words)	Infinvent IP is established for providing the services to help build, defend and commercialize Intellectual Property (IP). The need for innovation driven companies, institutions and individuals to leverage their IP is now well-established. Infinvent IP is made up of a team of dedicated & experienced professionals to provide infinite solutions in the field of Intellectual Property Right (IPR).
Manpower	Total No. of Employees - 10

Sr. No.	BS :15		
Company Name	Jai Research Foundation		
			
Address	Next to Daman Ganga Bridge, N.H. No. 8 Valvada, Dist. Valsad, Gujarat, India -396 108		
Contact Person	Mr Abhay Despande		
Designation	Director		
Phone	0260-6540442,9099117000		
Fax	022-66466119		
E-mail ID	despande_ad@jrffonline.com		
Website	www.jrffonline.com		
Sector Activities	Contract Research Organization		
Founding Year	1977		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5.0
Key Products/Services	Services: Ecotoxicology, Chemistry, Environmental Fate & Metabolism, Bio-analytical, Pesticide Analysis, Regulatory Affairs Biotechnology services: Residual DNA and protein Analysis, Expression System Analysis, Gene Expression Analysis, Mycoplasma Detection Services		

Company Profile (150-200 Words)	Jai Research Foundation (JRF) has been recognized as an internationally acclaimed Contract Research Organization for over 30 years. JRF has an established global client base of over 300 companies and has provided comprehensive regulatory studies for the registration of pharmaceuticals, agrochemicals, biocides and speciality chemicals. JRF complies with the OECD principles of Good Laboratory Practice (GLP) and is endorsed for compliance with the GLP monitoring authority of the Government of Netherlands. All studies are conducted at JRF in accordance with the regulatory requirements of the OECD, ICH, FDA, EMEA and OPPTS. The company also offers laboratory testing services from its U.S. laboratory, JRF America and regulatory services from its UK office, JRF International.
Collaborations (national)	1.Veterinary college, Mumbai 2.MS University, Baroda 3.Anand Veterinary College 4.South Gujarat University 5.Bhabha Atomic Research Center 6.Dept. of Bio-Technology
Recognition/Affiliations/ Achievements	1.Good Laboratory Practice (GLP), 2.Nuclear Regulatory Commission 3.Agricultural and Processed Food Products Export Development Authority (APEDA), 4."Frost & Sullivan" Partner of choice (2007), 5.Association for Assessment and Accreditation of Laboratory Animal Care International "AAALAC"
Manpower	Total No. of Employees - 200
Future Plans	GM regulatory studies, Pharma Regulatory studies


Sr. No.	BS :16		
Company Name	Kendle Data And Technologies (India) Private Limited		
			
Address	Office No.102, Building – 1 A, K. Raheja's Mindspace IT/ITES SEZ, Koba - Village, Gandhinagar - 382 007		
Contact Person	Mr Prasad Shetty		
Designation	Office Manager		
Phone	91 79 40213600		

Fax	91 79 401 007 01		
E-mail ID	shetty.prasad@kendle.com		
Website	www.kendle.com		
Type of Organization	Private Limited		
Sector Activities	Clinical Research Organization		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	50
Key Products/Services	Services: Clinical trials of across the entire drug development spectrum		
Company Profile (150-200 Words)	Kendle International Inc. is a leading global clinical research organization providing the full range of early to late stage clinical development services for the world's biopharmaceutical industry. The Company focuses on innovative solutions that reduce cycle times for its customers and accelerate the delivery of life-enhancing products to market for the benefit of patients worldwide. As one of the world's largest global providers of Phase I-IV services, Kendle offer experience spanning more than 100 countries, along with industry-leading patient access and retention capabilities and broad therapeutic expertise, to meet customers' clinical development challenges.		
Any other details	Kendle starts operation in Raheja's Gandhinagar SEZ.		

Sr. No.	BS :17		
Company Name	Lambda Therapeutics Research Limited		
Address	Near Gujarat High Court, S. G. Highway, Gota, Ahmedabad, Gujarat, India - 380061		
Contact Person	Mr. Jagdish Mehta		
Designation	Associate Vice President (Finance)		
Phone	91-79-40202020, 079 40202111		


Fax	079 40202022, 91-79-40202021		
E-mail ID	jagdishmehta@lamda-cro.com, business@lambda-cro.com		
Website	www.lambda-cro.com		
Type of Organization	Limited Company		
Sector Activities	Clinical Research Organization		
Founding Year	1999		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	200
Key Products/Services	Services: 1.Phase I and Bio-equivalence studies 2.Clinical Trials 3.Pharmacovigilance 4.Bioanalytical services 5.Biostatistics & Programming 6.Central Reference Laboratory & Biomarkers 7.Clinical Data Management 8.Project Management & Pharmacokinetics 9.Quality Assurance		
Company Profile (150-200 Words)	Lambda Therapeutic Research Limited is a leading global Clinical Research Organization (CRO) headquartered in Ahmedabad - India, with facilities and operations in Mumbai (India), Toronto (Canada), Warsaw (Poland), London (UK) and USA. It conducts clinical trials in accordance with regulatory Guidelines & approval of healthy human subjects & patients. It is reknowned in all the phases of drug discovery. Lambda has world class facilities at Ahmedabad and Mumbai backed up by latest equipments and technically qualified and experienced man power.		
Mergers / Acquisitions	1.Acquired one of the largest and oldest CRO in US to established North American presence, 2011 2.Acquired PV solutions Ltd., UK for pharmacovigilance services to develop capabilities to undertake QT-QTC studies, 2011		
Manpower	Total No. of Employees-364 PG-109 Ph.D-27 M.Pharm-23 Others-177		
Recognition/Affiliations/ Achievements	1.ANvisa, WHO and AFSSAPS (France) approval, 2004 2.Accredited by College of American Pathologists(CAP), USA 3.Implemented Scientific Data Management System (SDMS) for Bioanalytical Laboratory, 2005 4.ANvisa approval for Ahmedabad facility, 2007 5.College of American Pathologists(CAP), USA approval for Ahmedabad facility 6.Commissioned a world class, integrated facility at Ahmedabad spread over 25,000 sq.mts. with a capacity of 248 beds and a dedicated 16 bedded Phase I facility, 2006		

Future Plans	Inorganic growth through acquisition of assets in North America
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Sr. No.	BS :18		
Company Name	SGS India Pvt. Ltd. 		
Address	201 Sumel II, Nr Gurudwara, SG Highway, Ahmedabad, Gujarat, India		
Contact Person	Mr. Joseph Lopez		
Phone	079-2685436		
Fax	079-26854380		
Website	www.sgsgroup.in		
Sector Activities	Service providers		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	5.0
Key Products/Services	Services: Agricultural products inspection services, laboratory testing for food products, certification of products, testing laboratory facilities		
Company Profile (150-200 Words)	SGS provides independent services that touch the lives of millions of people across the globe. They provide industry leading inspection, verification, testing and certification services – anywhere in the world. Their services enable operation in a more sustainable manner by improving quality and productivity, reducing risk, verifying compliance and increasing speed to market. From the energy that powers cars and homes, to the food on plates, they provide solutions that really make a difference. With a reputation for passion, integrity, entrepreneurship and innovation, they offer an unequalled service that can be truly relied upon to make goals a reality.		

Sr. No.	BS :19		
Company Name	SkyQuest Technology Consulting Pvt. Ltd 		
Address	B-501, Krishna Complex, off S.G Highway, Bodakdev, Ahmedabad, Gujarat 380 054		
Contact Person	Mr. Akash Bhavsar		
Designation	Managing Director		
Phone	+91-79-40088145		
Fax	91 79 4005 4113		
E-mail ID	md@skyquestt.com		
Website	www.skyquestt.com		
Type of Organization	Private Limited		
Sector Activities	Intellectual Property (IP) Focused Research & Commercialization Organization providing access to Technology, Market and Finance (Service Industry)		
Founding Year	2006		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	3.75	4.15	5.1
Key Products/Services	Services: Technology Assessment, IP Landscaping & Valuation, Technology Marketing, Royalty Collection & Management, In-licensing & Out licensing, Technology Scouting, Technology Due Diligence, IP audit and portfolio analysis, Setting up of Technology Transfer Office & Business Development Units, Skill & Capacity Building, Competitive Intelligence, Market Size Estimation, Market GO-NO-GO Assessment, Getting products into large organized retail channels and reimbursement systems, Regulatory Approvals & Clearances, Pre launch/usability studies, Procurement Support and Vendor audits, Soft-landing Services, Partner Identification, Syndicate Investments.		


<p>Company Profile (150-200 Words)</p>	<p>SkyQuest is a Global IP driven Research, Commercialization & Investment Bank. The Group is structured across 6 different verticals (North America, Western Central Europe, Russia, Middle-East, South East Asia and Far East), providing access to technologies markets and finance across sectors viz. Agritech, Life Sciences, Nanotech, Health & Nutrition, Cleantech, FMCG, Digital Media & ICT.</p> <p>The Company has been closely working with diverse stakeholders including but not limiting to SMEs, Start-ups, Economic Development Agencies, Fortune 500 companies, Academia and individual innovators, government agencies and investors alike towards leveraging external sources of R&D and capitalizing on market opportunities. They help companies in optimizing the economic potential of their intellectual assets.</p>
<p>Collaborations (International)</p>	<ol style="list-style-type: none"> 1. Technology Innovation International, TII Luxembourg 2. Industrial Technology Research Institute (ITRI), TAIWAN 3. South-South Global Assets & Technology Exchange (SS GATE), A UNDP Promoted Network 4. Laser Consult, HUNGARY 5. NMD Consulting, New Jersey, USA 6. Patentica, RUSSIA 7. Asia Pacific Business and Industrial Systems Inc., PHILIPPINES 8. Negev Clusters, ISRAEL 9. Boston MedTech Advisors, Deedham, USA 10. Carbon First Consulting Ltd., UK 11. ECEB Networks, DigiMEF Ltd. UK, SWITZERLAND 12. Israel Export International and Cooperation Institute, ISRAEL 13. National Agency for Science & Technology Innovation, VIETNAM 14. Sinew Consulting, TAIWAN 15. Shanghai Technology & Transfer Exchange, CHINA
<p>Collaborations (national)</p>	<ol style="list-style-type: none"> 1. Indian Innovators Association (IIA), India 2. NCBS, Centre for Cellular and Molecular Platform(C-CAMP), Bangalore 3. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), Hyderabad 4. National Academy of Agricultural Research Management (NAARM), Hyderabad 5. National Research development Corporation (NRDC), New Delhi 6. Consultancy Development Centre (CDC), New Delhi 7. Real World Nutrition Laboratory, Pune 8. The National Institute of Engineering (NIE), Mysore 9. WWF-India, INDIA

<p>Manpower</p>	<p>Total No. of Employees - 50</p>		
<p>Recognition/Affiliations/ Achievements</p>	<ol style="list-style-type: none"> 1. Only private work station of South-South Global Assets & Technology Exchange (SS GATE); A UNDP promoted Initiative 2. Invited to Technology Roadshows – Seoul International Invention Fair (since last two years); INST organized by Industrial Technology Research Institute (ITRI) (since last 4 years) 3. Pioneer in the first patent Auction organized in Life sciences Cluster 4. Empanelled by National Research Development Corporation (NRDC) 5. Pre-Qualified Service Provider for Government of Alberta, Canada 		
<p>Sr. No.</p>	<p>BS : 20</p>		
<p>Company Name</p>	<p>SN Genelab </p>		
<p>Address</p>	<p>2nd floor, President Plaza-A, Near R.T.O. Circle, Ring Road, Nanpura, Surat-395001</p>		
<p>Contact Person</p>	<p>Dr. Satish Vaniawala</p>		
<p>Designation</p>	<p>Managing Director</p>		
<p>Phone</p>	<p>0261-2471515, 2471616, 9727412249</p>		
<p>E-mail ID</p>	<p>contact@sngenelab.com, urvish@sngenelab.com</p>		
<p>Website</p>	<p>www.sngenelab.com</p>		
<p>Sector Activities</p>	<p>Diagnostics, Laboratory, Research & Development, Services</p>		
<p>Founding Year</p>	<p>2003</p>		
<p>Turnover (INR in crore)</p>	<p>2011-2012</p> <p>—</p>	<p>2012-2013</p> <p>—</p>	<p>2013-2014</p> <p>3.0</p>
<p>Key Products/Services</p>	<p>Products: Genetics and Molecular testing services</p>		

Company Profile (150-200 Words)	SN Genelab has one of the leading Research and Development (R&D) setups in India, manned by more than three hundred and fifty scientists and engineers from various disciplines including biology, pharmacology, clinical research, chemistry, toxicology, phytochemistry and different disciplines of engineering. The company also participates in Public-Private partnerships for developing diagnostics, preventive and curative pharmaceutical and diagnostic products.
Manpower	Total No. of Employees - 23 Biotechnologist - 2
Recognition/Affiliations/ Achievements	NABL Accreditation
Collaborations (International)	Department Of Medicine, College of Health Sciences, NNAMDI AZIKIWE University, Nigeria
Collaborations (national)	MOU with Gujarat State Biotechnology Mission (GSBTM), Gandhinagar
Future Plans	Expansion in Molecular Diagnostics

Sr. No.	BS : 21
Company Name	Stem Cure Private Limited 
Address	1st, Floor, Shashwat Building, Near Naranpura Cross Road, Naranpura, Ahmedabad - 380013
Contact Person	Mr. Tushar Dalal
Designation	Director
Phone	079-2768 3121
E-mail ID	info@stemcureindia.com
Website	www.stemcureindia.com
Type of Organization	Private Limited
Sector Activities	Research & Development and Stem Cell Research/Services

Founding Year	2008		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	0.5
Key Products/Services	<p>Products: Autologous Stem Cells Services:</p> <ol style="list-style-type: none"> 1. Cord blood Stem cell banking 2. Stem cell transplant to cure diseases like Acute Lymphoblastic Leukemia, Acute Myelogenous Leukemia, Acute Promyelocytic Leukemia, Adrenoleukodystrophy, alpha-Thalassemia HbH constant spring, Amegakaryoc, Anaplastic Lymphoma, Biphenotypic Leukemia, Burkitt's Lymphoma, Chediak-Higashi Syndrome, Chronic Granulomatous Disease, Chronic Myelogenous Leukemia, Congenital Neutropenia, Histiocytosis, Hodgkin's Disease, Hunter's Syndrome, Krabbe Disease, Langerhans Cell Histiocytosis, Leukodystrophy, Mantle Cell Lymphoma, Mycosis Fungoides, Myelodysplastic Disorder, Myelofibrosis, Neuroblastoma, Non-Hodgkins Lymphoma, Osteopetrosis, Plasmocyte Leukemia, Polycythemia Vera, Refractory Anemi, Sandhoff Disease, Scleroderma, Severe Combined Immune Deficiency (SCID), Sickle Cell Disease, T-Cell Immunodeficiency, Thalassemia, Wiskott Aldrich Syndrome, etc 		
Company Profile (150-200 Words)	<p>StemCure is the centre for regenerative medicine and stem cells development. Persistent engagement of StemCure in research of stem cells developments makes it possible to offer various types of stem cells for the patients suffering from the condition where no alternate established therapy is available or it require long waiting period for organ or tissue donation. StemCure with its expertise also encourages young researchers and scientists, new to this field for their projects by providing them assistance and know-how. Extensive experience of StemCure in the field of stem cells development and its state of art facility has earned reorganization from Government as a training centre since 2009. StemCure offers all conventional as well as advance treatments for infertility at the company's state of art laboratory. The company continuously explores new techniques in the field of Infertility treatment to avail the best options for treatment.</p>		
Manpower	Total No. of Employees - 6 Ph. D. - 1 Biotechnologist - 4		
Recognition/Affiliations/ Achievements	1. ISO 9001-2008 Certification 2. NABL Accreditation 3. GMP Certification 4. FACT Accreditation 5. ASHI Accreditation 6. CLIA Accreditation 7. AABB Accreditation and California Biologics License		
Any other details	Stem Cure Private Limited along with Gujarat State Biotechnology Mission (GSBTM) has conducted a successful training program for Skill Development in Stem Cell Techniques: Basic Training in cell culturing (2009).		

Sr. No.	BS : 22		
Company Name	Stemcyte India Therapeutics Pvt. Ltd. 		
Address	Apollo Hospital Campus, Plot No.1A, Bhat GIDC Estate, Ahmedabad Rd. Dist. Gandhinagar, Gujarat, India		
Contact Person	Mr. Deepak Chhabra		
Designation	Chief Operating Officer		
Phone	079 61701001		
E-mail ID	feedback@stemcyteindia.com,arpita.shah@stemcyteindia.com, info@stemcyteindia.com		
Website	www.stemcyte.com		
Type of Organization	Private Limited		
Sector Activities	Cord Blood Stem cell Banking, Therapeutics, Research and Development		
Founding Year	2008		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	7.91	9.57	11.4
Key Products/Services	Services: 1.Cord blood Stem cell banking(Private and public banking) 2.Advanced therapeutics using Stem cell transplantation to cure diseases like Acute Lymphoblastic Leukemia, Acute Myelogenous Leukemia, Acute Promyelocytic Leukemia, Adrenoleukodystrophy, alpha-Thalassemia HbH constant spring, Amegakaryocy, Anaplastic Lymphoma, Biphenotypic Leukemia, Burkitt's Lymphoma, Chediak-Higashi Syndrome, Chronic Granulomatous Disease, Chronic Myelogenous Leukemia, Congenital Neutropenia, Histiocytosis, Hodgkin's Disease, Hunter's Syndrome, Krabbe Disease, Langerhans Cell Histiocytosis, Leukodystrophy, Mantle Cell Lymphoma,, Mycosis Fungoides, Myelodysplastic Disorder, Myelofibrosis, Neuroblastoma, Non-Hodgkins Lymphoma, Osteopetrosis, Plasmocyte Leukemia, Polycythemia Vera, Refractory Anemi, Sandhoff Disease, Scleroderma, Severe Combined Immune Deficiency (SCID), Sickle Cell Disease, T-Cell Immunodeficiency, Thalassemia, Wiskott Aldrich Syndrome, etc.		

	<p>3.StemCyte works on a Hybrid Model with Public and Private Banking; and it is also into advanced therapeutics.</p> <p>4.At StemCyte, the cord blood is processed with patented Plasma DepletionTechnology, ensuring maximum recovery of Total Nucleated Cell (TNC) count.</p> <p>5.StemCyte has a record of 2000 cord blood transplants, across the globe, on 56 various indications, in 35 countries and more than 200 transplant centers.</p> <p>6. 34 cord blood transplants in India</p> <p>7.StemCyte has customized products</p> <p>8.StemCyte has its own ongoing clinical trials and research</p>
Company Profile (150-200 Words)	<p>StemCyte India is a Unit of StemCyte Inc. USA, a world leader in Umbilical Cord Blood Transplant. StemCyteIndia Therapeutics Pvt. Ltd. is a joint venture between StemCyte Inc. (USA), Apollo Hospital Enterprises Ltd. and Cadila Pharmaceuticals Ltd. StemCyte India's headquarter is strategically located in Ahmedabad along with the processing and storage facility at Apollo Hospital Campus, Gandhinagar. It was established in 2008, dedicated to Collection, Processing, Testing and Storage of both – Private and Public Umbilical Cord Blood units and its therapeutic applications.</p> <p>StemCyte is dedicated to helping the world's physicians save more lives by providing high quality, safe and effective stem cell transplantation and therapy to all patients in need</p>
Recognition/Affiliations/ Achievements	<p>1. ISO 9001-2008 Certification 2. NABL Accreditation 3. GMP Certification 4. FACT Accreditation</p> <p>5. ASHI Accreditation 6. CLIA Accreditation 7. AABB Accreditation and California Biologics License</p>
New Technology	Stem cell transplant and therapeutic research
Any other details	<p>Chennai-based Apollo Hospitals and Ahmedabad-based Cadila Pharmaceuticals have signed a deal with US-based StemCyte Inc to set up umbilical cord blood (UCB) bank - StemCyteTherapeutics India - in Ahmedabad with an initial investment of \$16 million. The new facility will process and store UCB units that will be used to treat patients throughout the world.</p> <p>StemCyte has provided more than 2000 Umbilical Cord Blood Units to over 235 center worldwide. StemCyte India has facilitated 34 Cord Blood transplants till date.</p> <p>StemCyte is doing clinical trials on below diseases with the help of Cord Blood Stem Cells</p>

Sr. No.	BS : 23		
Company Name	Step Up Labs Pvt. Ltd.		
Address	504, Param Doctor House, Lal Darwaja, Station Road, Surat, Gujarat - 395 004		
Contact Person	Dr. Chetan R. Balar		
Phone	91-98796 53311, 91-261-2492820, 9904444566		
E-mail ID	stepuplabs@gmail.com, info@stepuplabs.com		
Type of Organization	Private Limited		
Sector Activities	Service provider		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	5.4	5.8	12
Key Products/Services	Services: Genomic, Proteomics and Diagnostic services		
Company Profile (150-200 Words)	Step Up Labs Pvt. Ltd. is a privately funded biotechnology company registered by ACT-15189- 2007 System Development (for Genetics), NABL (National Accreditation Board for Laboratory) and SIRO (Scientific and Industrial Research Organization) from Government of India.They are with the vision of bringing the best of technology in order to provide contemporary, comprehensive and cost effective solutions. They provide various services to their clients in Medical Labs, Universities, Biotechnology and Pharmaceutical research laboratories which are Biotech-Biopharm Services, Environment Services, Veterinary Services and other genomics Services.		
Manpower	Total No. of Employees-15 Ph. D.-2 MBA-1 PG-2 UG-8		

Sr. No.	BS : 24		
Company Name	Synchron Research Services Pvt. Ltd		

Address	The Chamber 3rd Floor, Sarkhej-Gandhinagar Highway, Bodakdev, Ahmedabad-380 054, India		
Contact Person	Dr. Shivprakash Rathnam		
Designation	CEO		
Phone	+91 79 26853415		
Fax	+91 79 26853415		
E-mail ID	drshiv@synchronresearch.com		
Website	www.synchronresearch.com		
Type of Organization	Private Limited		
Sector Activities	Contract Research Organization		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	5.4	5.8	22.0
Key Products/Services	Services: Clinical registration of new pharmaceutical products and medical devices, from phase I to phase IV, including Bioequivalence, Bioavailability, Pharmacokinetic/Pharmacodynamic studies, Statistical Analysis and Data Management services, Clinical trial services to domestic and international pharmaceutical and Bio-Pharmaceutical companies		
Company Profile (150-200 Words)	Synchron is a leading Contract Research Organization in India providing broad range of clinical research services from phase I to phase IV, including Bioavailability/ bioequivalence, Pharmacokinetic/ Pharmacodynamic studies. Synchron has two separate state of the art 30 bedded clinical units (total 60 beds) in the same premises and another 76 bedded clinical unit at different location in Ahmedabad and a Well equipped bioanalytical laboratory with HPLCs, LC MS/MSs and GC MS. This facility aims to provide research services to Pharmaceutical and biotechnology industries, encompassing a whole range of clinical trials, product registration and statistical analysis.		
Collaborations (International)	1.Parexel, Heartcore, Netherlands 2.Symogen for Pharmacovigilance services (2004)		
Collaborations (national)	Nizam Institute of Medical Studies, Hyderabad		

Mergers / Acquisitions	1. Innovance Research Center, Ahmedabad a Contract Research Organization with world-class clinical research facility, 2007 2. Bio-Innova, Thailand for clinical research, pharmacokinetics, bioavailability, bioequivalence, bioanalysis, and statistics to data management, 2007 3. Symogen for setting up an independent unit for commencing the services in India for the first time in the country, 2004
Manpower	Total No. of Employees - 150 Biotechnologist - 30
Recognition/Affiliations/Achievements	Awards : 1. IDMA Award (2004, 2008) 2. Frost & Sullivan Award (2005) 3. Partner of Choice awards announced at Global PharmAlliance (2005) 4. Bharat Jyoti Award The Glory of India Gold Medal *conferred to Mrs. Urvashi Rathnam, Director Synchron Research

Sr. No.	BS : 25		
Company Name	Veeda Clinical Research		
Address	Shivalik Plaza-A, Near IIM, Ambawadi, Ahmedabad, Gujarat, India-380 015		
Phone	91 79 3001 3000		
Fax	91 79 3001 3010		
E-mail ID	info@veedacr.com		
Type of Organization	www.veedacr.com		
Sector Activities	Clinical Research Organization, Research & Development		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	50.0
Key Products/Services	Services : Bioavailability/ Bioequivalence, Phase I and IIa Clinical Research trials		

Company Profile (150-200 Words)	Veeda Clinical Research is a global CRO specializing in the early clinical development of drugs. With state-of-the-art facilities in India, Belgium and UK, they provide full range of services in phase I and IIa clinical research, delivering expert and cost effective research solutions to the pharmaceutical and biotechnology industries worldwide. Veeda has over 20 years experience in clinical research and as the largest phase I CRO in India.
Manpower	Total No. of Employees: 250
Recognition/Affiliations/Achievements	DCGI and ANVISA approval Awards: 1. Frost and Sullivan's Indian Clinical Research Organization of the Year, 2009 2. Frost and Sullivan's "Partner of Choice" for phase I studies, 2007 3. Veeda UK has been awarded the MHRA Phase I Supplementary Accreditation The BioEntrepreneur Award Presented to Apurva Shah and Binoy Gardi, 2009

Sr. No.	BS : 26		
Company Name	Xcelris		
Address	Old Premchand Nagar Road, Satyagrah Chhavani, Satellite, Ahmedabad 380015, India		
Contact Person	Dr. Surendra K ChikaraT		
Designation	Technical Head – Genomics R & D		
Phone	079-66197777/66311114, 91 99252 23215		
Fax	079-66309341		
E-mail ID	pragnesh.patel@xcelrislabs.com, hr.corp@xcelrislabs.com		
Website	www.xcelrislabs.com		
Type of Organization	Limited Company		

Sector Activities	Diagnostics, Research & Development, Service provider		
Founding Year	2008		
Turnover (INR in crore)	2011-2012	2012-2013	2013-2014
	—	—	100
Key Products/Services	<p>Products: Molecular biology kits, XcelGen kits (PCR enzymes, Nucleic acid isolation kits, DNA ladders and markers), Micropipettes tips</p> <p>Services:</p> <p>Dignostic Services:</p> <p>1. Genetic Testing Services (NGS Based):</p> <p>A. Personalized Genome Testing</p> <ul style="list-style-type: none"> • My GenomeMap • Genome Kundli • Ancestry (Non Medico-legal) • Paternity (Non Medico-legal) <p>B. Investigational and Research</p> <ul style="list-style-type: none"> • Whole Genome Analysis • Exome Analysis • Mitochondrial Genomic Sequencing <p>C. Clinical</p> <ul style="list-style-type: none"> • NXT Breast Cancer Mutation Panel • NXT Lung Cancer Mutation Panel • NXT Colon Cancer Mutation Panel • NXT Leukamia Mutation Panel • NXT Beta thalessemia • NXT Deafness • NXT Cystic fibrosis 		

Key Products/Services	<p>2. Infectious Disease:</p> <p>Wide range of real time PCR based testing services for infectious pathogens in human samples.</p> <ul style="list-style-type: none"> • HIV Qualitative and Quantitative PCR • HBV Qualitative and Quantitative PCR • HCV Qualitative and Quantitative PCR • MTB Qualitative PCR • Dengue Qualitative PCR • HPV Qualitative PCR <p>3. Cattle Screening:</p> <p>A. Specially designed genetic tests to identify cattle breeds most suitable for herd creation</p> <ul style="list-style-type: none"> • Milk Production Trait • Genetic Disease Trait • Milk Quality Trait <p>4. Food Testing:</p> <p>A. NGS & PCR based testing services for food processing and export industries :</p> <ul style="list-style-type: none"> • GMO Testing services • Microbial testing services • PCR Detection & Sub-typing of Food/Waterborne Pathogens • Plant and Microbial Species Identification • Mutation Detection and Genotyping <p>Pharma Services:</p> <ul style="list-style-type: none"> • Formulation & Development • Analytical Development c)Regulatory <p>Value Added Services:</p> <ul style="list-style-type: none"> • Contract Manufacturing • Bioavailability / Bioequivalence studies <p>Genomic Services:</p> <ul style="list-style-type: none"> • Sanger sequencing based services • Oligosynthesis • NGS and Proteomics services
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Company Profile (150-200 Words)	Xcelris is India's leading genomics research organization offering cutting edge solutions to researchers across fields such as agriculture, human health, animal science, wildlife conservation, bio-energy, microbial and environmental genetics. Xcelris partners with the biotechnology industries, academia, research institutes and individual researchers in India and abroad. Xcelris caters to the needs of researchers by its comprehensive service portfolio ranging from Molecular biology kits, Oligosynthesis services, Sanger Sequencing services, Next Generation Sequencing and Bioinformatics analysis. Xcelris was formed with a vision to foster enduring sustainable technological partnerships with global companies and R & D centres in the areas of Pharmaceuticals and Genomics. Xcelris's vision is to lead the way to a healthier world by partnering with Pharma & Biotech Community across the globe and delivering high quality value added healthcare solutions.
Manpower	Biotechnologist: 35
Recognition/Affiliations/ Achievements	Achievements : Company has completed more than 200 NGS projects with more than 150 research institutes across India.
Any other details	A division of Abellon group of company. This firm uses the Epistem Genedrive System, a molecular diagnostic device, based on rapid PCR Technology for simultaneous detection of MTB & rifampicin resistance within an hour.



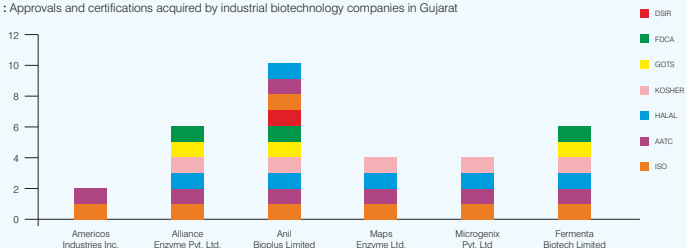
Industrial
Biotechnology →

Industrial Biotechnology

Industrial biotechnology, popularly known as 'White Biotechnology', is the application of modern biotechnology techniques for production of bio based chemicals, food and feed, detergents, paper and pulp, textiles and bioenergy (such as biofuels or biogas) using enzymes of microbial origin. This field is widely regarded as the third wave of biotechnology, distinct from the first two waves (Medical/Red biotechnology and Agricultural/Green biotechnology). Much interest has been generated in this field mainly because industrial biotechnology is often associated with reduced energy consumption, greenhouse gas emissions, and waste generation, and also to create paradigm shift from fossil fuel-based to bio-based production of value-added chemicals. In addition to environmental benefits, biotechnology can improve industry's performance, product value and as the technology develops and matures, industrial biotechnology will yield more and more viable solutions for our environment. Industrial biotechnology holds great promise to solve global challenges, offering new potential for meeting the world's demand for food, feed and fuels.

Over the years Gujarat has managed to create a strong foothold in the Enzyme segment. This segment is dominated by entrepreneur led organizations, which initially started as conservative fermentation based ventures and have today evolved as preferred vendors/service providers for multinational companies. The State has been able to leverage its manufacturing strengths in the industrial biotech segment. The Industrial biotechnology in Gujarat is represented by Major companies like Anil Bioplus Limited, Americos Industries, Aum Enzymes Ltd., Maps Enzymes Ltd., etc. The Major Industrial Biotechnology products of these companies are enzymes and enzymatic solutions.

Graph IN 2 : Approvals and certifications acquired by industrial biotechnology companies in Gujarat

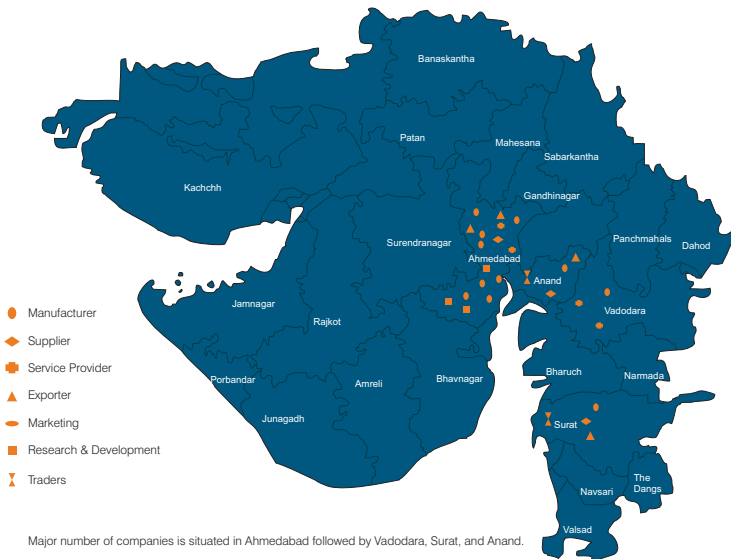


Out of fourteen companies in the Industrial Biotech sector Americos Industries Inc. has entered into an international collaboration with Biocatalysts Ltd, UK. It is serving as India's biggest food, beverage, and pharmaceutical manufacturers with its wide range of specialty enzymes and flavors since 2005. On the other hand Microgenix Pvt. Ltd., has established a joint venture with a company in Bangladesh, Meteoric Exim Pvt. Ltd. is in the process of a merger. Anil BioPlus Ltd. has expanded sale of BT products in terms of increasing capacity of modified starches and CWM capacity to 500 TPD. This firm has also started an R&D laboratory for addition of new products. In addition Anil Bioplus Ltd. is also a listed company of Gujarat. Most of companies listed in industrial biotechnology sector have received several certifications from International and National regulatory bodies like DSIR, ISO, FDCA, GOTS, AATCC, etc. In Gujarat two industrial biotechnology companies are DSIR (Department of Scientific and Industrial Research) certified named Anil Bioplus Limited and Maps Enzymes Ltd. The primary endeavor of DSIR is to promote R&D by the industries, support a larger cross section of small and medium industrial units to develop state-of-the-art globally competitive technologies of high commercial potential, catalyze faster commercialization of lab-scale R&D, enhance the share of technology intensive exports in overall exports, strengthen industrial consultancy & technology management capabilities and establish user friendly information network to facilitate scientific and industrial research in the country. Out of 13 industrial biotechnology companies listed here, 4 companies are having ISO 9001 certification. ISO 9001 certification is a series of standards, developed and published by the International Organization for Standardization (ISO) which is suitable for all sizes of organization and is well established around the world as an invaluable quality management system. The Global Organic Textile Standard (GOTS) is recognized as the world's leading processing standard for textiles made from organic fibres. All chemical inputs such as dyestuffs and auxiliaries used in industries must meet certain environmental and toxicological criteria. Anil Bioplus Ltd, anil Group and Microgenix Pvt Ltd have GOTS certification for their manufacturing processes. Alliance Enzyme Pvt Ltd and Anil Bioplus Limited have Halal certification for enzymes used in brewery industry and other products for food industry.

Sr.No.	Company	Revenue (INR Crores) (2013-14)	Sr.No.	Company	Revenue (INR Crores) (2013-14)
1	Americos Industries Inc.*	7.2	8	Genesys Biochem*	0.2
2	Alliance Enzyme Pvt Ltd *	10.0	9	Greendiamz Biotech Ltd.*	20
3	Anil Bioplus Limited#	80.0	10	Maps Enzymes Ltd.#	50.0
4	AUM Enzymes*	0.6	11	Meteoric Exim Pvt. Ltd: Meteoric Life Sciences#	2.97
5	Bachauna Technology*	0.4	12	Microgenix Pvt. Ltd.*	0.5
6	Chembond Chemicals Limited#	206.4	13	Micropore Filtration Solutions Pvt. Ltd.#	7.5
7	Fermenta Biotech Ltd.#	100.0	14	Zytext Biotech Private Limited#	50.0
			Total		535

*Estimated Biotechnology turnover derived from a) RBI estimation, b) MOU of Commissioned Projects

#Turnover of Biotechnology Business only as per communicated by telephonic discussions & companies' Annual Reports



Major number of companies is situated in Ahmedabad followed by Vadodara, Surat, and Anand.


Figure IN1: Map showing of activity spectrum of Industrial Biotechnology Companies

Sr. No.	IN:1		
Company Name	Americos Industries Inc. 		
Address	B/610/611, Ganesh Plaza, Nr. Navrangpura Post Office, Ahmedabad - 380 009, Gujarat, (India)		
Contact Person	Mr. Ashok Khanna		
Designation	Managing Director		
Phone	(91) - (79) - 26447781/82, 26447736, (91)-8587907867		
Fax	(91) - (79) - 26447736		
Email ID	info@americosind.com		
Website	www.kenecoregroup.com		
Type of Organization	Public Limited Firm		
Sector Activities	Manufacturer, exporter and supplier		
Founding Year	1946		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	7.2
Key Products/Services	Products: Textile Enzymes, Smart Colorants, Softeners, Speciality Chemicals, Speciality Chemicals (Denim), Speciality Finishes, Textile Auxiliaries, Food Enzymes, Flavours		
Company Profile (150-200 Words)	Americos is an innovative company developing high quality Textile Auxiliaries, Speciality Chemicals, Finishing Chemicals, Speciality Finishes, Dyestuff. Additionally, it is also serving major food, beverage, and pharmaceutical manufacturers with its range of speciality enzymes and flavours. The network of Americos, footprints India and is continuously expanding business locations worldwide to serve its customers in real time. Fueled and fired by creativity, Americos constantly develops new products and technologies in its domain.		


Company Profile (150-200 Words)	Americos consultancy is sought after by its customers around the world, which facilitates them to lead in their respective fields. Moreover, it has worldwide collaborations with several leading organizations for bringing new products and technologies. The success of Americas is due to the expertise of its people who recognize challenges faced by the customers. They tailor products to customers exact specifications and collaborate with them to come up with unique and effective solutions.
Collaborations (International)	Biocatalysts Ltd. UK
Recognitions/Affiliations/ Achievements	1. They are corporate member of AATCC (American Association of Textile Chemists and Colorists) 2. AATCC is the world's largest technical and scientific society devoted to the advancement of textile chemistry


Sr. No.	IN:2		
Company Name	Alliance Enzyme Pvt Ltd . 		
Address	Jash Textile Market, Ring Road Surat - 395002, Gujarat, India		
Phone	0261 2339493, 2363774, 3073388		
Fax	0261-2334135		
Email ID	info@allianceenzyme.com,allianceindia06@gmail.com, sales@allianceenzyme.com, purchase@allianceenzyme.com		
Website	www.allianceenzyme.com		
Type of Organization	Private Limited firm		
Sector Activities	Manufacturer, Exporter, Supplier, Distributor, Wholesaler, Trader, Importer		
Founding Year	2010		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	10.0


Key Products/Services	Products: Papain Enzymes, Bromelain Enzymes, Enzyme Formulation for Sugar Industry, Enzyme Formulation for Brewery, Enzyme Formulation for Malt
Company Profile (150-200 Words)	Alliance Enzyme Pvt. Ltd (AEPL), an AGRO based organization, is one of the fast growing enzyme industries in India which established in Surat, Gujarat, India in the year 2010. The organization has ISO 9000:2008, HALAL, and KOSHER certified company. The products are processed using high-grade constituents under hygienic conditions. This company makes sure to procure the ingredients from the trusted vendors of the market. Papain is widely demanded in various food, pharmaceutical and other allied industries. This company has 2000 acres of land under papaya cultivation to meet the raw material requirement.
Collaborations (International)	—
Recognitions/ Affiliations/ Achievements	1. ISO 9000:2008 2. HALAL 3. KOSHER certified company

Sr. No.	IN:3		
Company Name	Anil Bioplus Limited 		
Address	Anil Corporate House: Opp. WIAA, Besides DLA School, Off. Judges Bungalow Road, Bodakdev, Ahmedabad - 380015, Gujarat. Anil Road, Bapunagar, Ahmedabad - 380025, Gujarat, India		
Contact Person	Mr. Darshan Maheta		
Designation	Executive Director		
Phone	079- 40281106/ 9898098026		
Fax	079- 22200731		
Email ID	darshan.mehta@anil.co.in		


Website	www.anil.co.in		
Type of Organization	Public Limited		
Sector Activities	Manufacturer and Research & Development		
Founding Year	1939		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	46.24	56.36	80.00
Key Products/Services	Products: Industrial enzymes like Amylase, Protease, Xylanase etc., Enzyme formulations for Textile, paper, food and pharma industries, Calcium Gluconate, Sodium Gluconate, Citrates.		
Company Profile (150-200 Words)	<p>Anil Bioplus Limited (ABL) is a pioneer in manufacturing of Industrial Enzymes, Microbes (with enzymes) and Bio-Chemicals (Calcium & Sodium Gluconate, Citrates) through fermentation process, developed by in-house Research & Development set up.</p> <p>The company manufactures different grades of enzymes for end-user industries like Textile, Paper, Food & Beverages, Pharmaceuticals, Feed, Distilleries etc. and Mineral Gluconates, which are used as source of energy in veterinary applications, construction and chemical industries. ANIL's state of the art R&D Laboratory has been accorded recognition by Department of Science and Technology, Government of India. Key activities of R&D is to focus on new products and application development, keeping abreast with latest developments worldwide, process re-engineering to optimize product cost and providing customized solutions to customers. R&D works very closely with the customers along with the application development department to provide an optimal solution. The range of enzymes is marketed in both India and international destinations through dedicated marketing teams.</p>		
Manpower	Total No. of Employees - 95 Ph. D. - 1 MBA - 5 PG - 6 UG - 11		
Recognitions / Affiliations/ Achievements	<ol style="list-style-type: none"> 1. ISO-9001-2008 Certificate 2. Halal India Certificate 3. GOTS (Global organic textile standard certificate) 4. FDCA (Food & Drug control administrative certificate) 5. DSIR Approved Lab 		
Future Plans	To set up a factory at Halol with the investment of 150 crore		

Sr. No.	IN:4		
Company Name	Aum Enzymes 		
Address	30, Bhakti Nagar, Nr. Jalaram Mandir, Borsad -388540, Anand(Gujarat)		
Contact Person	Ms. Nisha N. Mistry		
Designation	Proprietor		
Phone	91 2696-221891, 9898383455		
Website	www.aumenzymes.com		
Type of Organization	Public Limited Firm		
Sector Activities	Exporter, Manufacturer, Supplier and Trader		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	0.6
Key Products/Services	Products: Enzymes for Textile Industry, Animal Feed Industry, Leather Industry, Baking Industry, Detergent, Alcohol Industry, Starch Processing, Brewing Industry, Protein Modification, Effluent Treatment, Educational Institute		
Company Profile (150-200 Words)	<p>Aum Enzymes has been involved in the needs of technical grade enzyme users in various fields like Enzymes for Textile Industry, Enzymes for Leather Industry, Enzymes for Animal Feed Industry, Enzymes for Baking Industry, Enzymes for Detergent, Enzymes for Alcohol Industry, Enzymes for Starch Processing, Enzymes for Brewing Industry, Enzymes for Protein Modification and Enzymes for Effluent Treatment.</p>		
Future Plans	<p>Aum Enzymes plans to develop enzymes for wine production, enzymes for paper and pulp industry and enzymes for the dairy industries for cheese making and enzymes uses in fruit processing.</p>		
Overseas Expansion	<ul style="list-style-type: none"> • Increase in capacity of modified starches(2007-2008) • Increase of CWM capacity to 500 TPD • Increase of capacities of value added products (2006-2007) • Commencement of Pharma starch plant Commercialization of three major modified starches • Installation of new FBC Boiler Augmentation of R&D pipeline by addition of new product(2004-2005) 		

Sr. No.	IN:5		
Company Name	Bachauna Technology 		
Address	Phase-1, Behind Bank Of India, GIDC, Vatva, Ahmedabad - 382445, Gujarat, India		
Contact Person	Mr. Kedarnath Varma		
Designation	Proprietor		
Phone	91-9723525221, 91-9825746503		
Email ID	vermakedarnath@gmail.com, bachaunatechnologyenzyme@gmail.com		
Type of Organization	Public Limited Firm		
Sector Activities	Manufacturer and Supplier		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	0.4
Key Products/Services	Products: Protease Enzymes, Textile Designing, Textile Enzyme, Cellulose Bio-polishing Fabrics/ Garments, Leather Enzyme, Alkaline protease leather bating & Acid protease leather bating		
Company Profile (150-200 Words)	<p>Bachauna technology is in the business of enzymes used in textiles and leather Industries. Its formula of Enzymes has a wide industrial applications. In the field of biotechnology, there are many industrial applications that result in biotech products that we use everyday at home. The Enzymes offered by the firm are proteins that occur in nature and speed up biochemical processes that would otherwise take a long time. It allows the manufacturer to produce more of a particular product in a shorter amount of time thus increasing profit. Bachauna technology can be attributed to policy of providing high-quality to meet specific customer needs with continuous research and product development.</p>		


Sr. No.	IN:6		
Company Name	Chembond Chemicals Limited 		
Address	Sales office: 309-310, Rajkamal Plaza B, Old High Court, Opp. Sakar III Bldg., Income Tax, Ahmedabad - 380014, Gujarat Manufacturing facility: 404/B/P-1, Village Dudhawada, ECP Road, Tal. Padra, Dist. Vadodara - 391450, Gujarat		
Phone	+91 79 2754 2671 / 2754 2160, +91 2662 273778 / 273181		
Fax	+91 2662 273781		
Website	www.chembondindia.com		
Type of Organization	Limited company		
Sector Activities	Industrial enzymes production Microbial culture for Bioremediation and wasteland management		
Founding Year	1975		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	157.64	181.14	206.43
Key	Animal feed		
Products/Services	<p>Animal feed</p> <p>1. Poszyme- genetically modified <i>Pischia pastoris</i> derived phytase for animal food supplement Enzymix: Multi enzyme complex for poultry feed For distillery</p> <p>1. Kem Liquizyme 250 and Kem Liquizyme 400 : Bacterial α-amylase preparation produced by submerged fermentation of a selected strain of <i>Bacillus licheniformis</i>.</p> <p>2. Kem oxyzyme MD Active Unique nutrient formulated product suitable for improved molasses based distillery to produce rectified spirit.</p>		

	<p>3.Kem Saccharizyme is the hydrolytic enzyme of alpha-1,6 glucosan and glucose; it is made from Aspergillus niger through cultivation and extraction technique.</p> <p>Textile</p> <p>1.Kem Amylase 250 (High Temperature α-amylase)</p> <p>2.Kem CAT 1000 : enzyme extracted from the Bovine intestine,</p> <p>3.Kem Cell 6000: Neutral Cellulase enzyme</p> <p>Kem Cell 240: Fungal acid cellulase enzyme</p>
Company Profile (150-200 Words)	<p>Chembond chemicals is a diverse company manufacturing a wide array of products including biotechnology driven products.They have been involved in commercial production of enzymes for food and feed,textile and alcohol distillery.They are also actively involved in enriching special microbial cultures and blending it into a formulation that could be used to address the problems of BOD, COD and Ammonical Nitrogen in waste water treatment.The company has a well-managed culture bank and ready to use biocultures that could be applied for Bioremediation and Bioaugmentation in waste water treatment.</p>
Manpower	Total employees: 700
Mergers and acquisition	<p>1. Takeover of Drewtreat Chemicals Limited (2001)</p> <p>2. Joint Venture with Ashland Inc, USA for Water treatment chemicals. (2001)</p>

Sr. No.	IN:7
Company Name	<p>Fermenta Biotech Ltd</p> 
Address	<p>Manufacturing Facility: Plot Nos.Z109 B&C, Dahej SEZ, Village-Dahej, Taluka-Vagara, Bharuch - 392 130, Gujarat, India</p> <p>Administrative & Regd. Office: DIL Complex, Ghodbunder Road,Majiwada, Thane (West) - 400 610,Maharashtra,India</p>
Contact Porson	Mr. Prashant Nagre
Designation	Chief Executive Officer

Phone	Tel. : +91 22 6798 0888		
Fax	Fax : +91 22 6798 0899		
Website	www.fermentabiotech.com		
Type of Organization	Limited		
Sector Activities	Industrial enzymes production		
Founding Year	1986		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	100
Key Products/Services	<p>From a pioneer of Penicillin G Amidase (PGA), FBL commercialised new and improved Novel Penicillin G Acylase (NPGA) for the synthesis of Amoxicillin, Cephalexin and developed platform for other Cephalosporins (Cefaclor, Cephadroxil etc). FBL also offers superior Candida antarctica lipase B or CAL B Lipase in both immobilized and free enzyme for various applications ranging from Chiral chemistry to Biofuel (Green Chemistry).Besides commercial enzymes production,FBL offers proprietary immobilization platform, DILBEADS for immobilized enzyme development.</p>		
New Products Launched	<p>R-Oxynitrilase(Fermase) (2005), DILBEADS oxirane polymer for enzyme immobilization(2006), Novel Penicillin G Acylase(Fermase PS 250) and Fermase C-200 (2013)</p>		
Company Profile (150-200 Words)	<p>Fermenta Biotech Limited is a multifaceted organization with a high degree of focus on research, development and product delivery in the field of biotechnology, pharmaceutical and environmental solutions. FBL pioneered the manufacture of Penicillin G Amidase enzyme in India and is a leader in enzyme technologies for beta lactam (β-lactam) synthesis. The biotech division of FBL is committed on developing pollution free, eco-efficient enzyme technologies (bio catalyst) and products like Penicillin G Amidas, Penicillin G Acylase, Candida Antarctica Lipase B and other enzymes. Our philosophy is to help change from hazardous chemistry to efficient, eco-friendly and economic processes with Enzyme Immobilization platform. FBL offers proprietary immobilization platform, DILBEADS for immobilized enzyme development. FBL provides customized environmental biotech solutions through consultancy, supply of suitable biotech products and services in three segments – sewage treatment plant (STP), lake and pond bioremediation and oil remediation.</p>		


Recognitions/ Affiliations/ Achievements	<ol style="list-style-type: none"> 1. ISO 9001:2008 2. ISO 14001:2004 3. FAMI-QS 4. OHSAS 18001:2007 5. HALAL 6. KOSHER
Overseas Expansion	Expansion of 20 metric tonnes per annum of Vitamin D3 Resins & 5 metric tonnes per annum of Vitamin D3 Crystalline production
New Technology	<ol style="list-style-type: none"> 1. DNA sequence encoding Penicillin Acylase, Novel Recombinant DNA constructs and Recombinant Microorganisms carrying this sequence. 2. Process for the preparation of Immobilized recombinant Penicillin Acylase Catalyst from <i>Achromobacter</i> SP CCM 4824 expressed in <i>E. COLI</i> BL 21 CCM 7394 and its use for the synthesis of Beta Lactam Antibiotics. 3. Oxirane macroporous beads for enzyme immobilization and process.

Sr. No.	IN:8
Company Name	Genesys Biochem 
Address	2 Adarsh, Nr.Mann Party Plot, Sg Highway, Ahmedabad - 382418, Gujarat, India
Phone	079 29094021
Email ID	info@genesysbiochem.com
Website	www.genesysbiochem.com
Type of Organization	Public Limited Firm
Sector Activities	Manufacturer

Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	0.2
Key Products/Services	<p>Products: Enzymes for textiles, leather, detergent, paper industry and food and feed Chemicals like Special Resin, Silicones and Softeners for textiles industry Chemicals like Surfactants and Dispersing Agent, Soaking Auxiliaries and Liming Auxiliaries for leather industry</p>		
Company Profile (150-200 Words)	<p>Genesys Biochem focuses on research and development of the products, which can replace the harsh chemicals in the world of Textile, Detergent, Leather, Paper and other Specialities. They are engaged in manufacturing of Enzymes, with constant efforts of their dedicated team of research scholars, they are able to produce products which can really replace harsh chemicals and help industry in more sustainable way.</p>		


Sr. No.	IN:9
Company Name	Greendiamz Biotech Ltd
Address	<p>Corporate Office: 303-4-5, Setu Suite, Shilp Cross Roads, Off C. G. Road, Ahmedabad-380009.Gujarat Manufacturing Unit: 811, Rushabh Industrial Estate, Sanand-Bavla Road, Village Rajoda Bavla District, Ahmedabad, Gujarat, India</p>
Contact Person	Champat Sanghvi
Designation	Chairman
Phone	+91 79 26408801/28
Fax	+91 79 26561090
Email ID	info@truegreen.in

Website	Greendiamz.com		
Type of Organization	Public Limited		
Sector Activities	Manufacturer		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	10	12	20
Key Products/Services	Biolice (biodegradable and compostable polymer), Truegreen films for custom printed carry bags, bags on rolls for garbage and garden waste, Truegreen fast food utensils and boxes, Truegreen Mulch film, Truegreen lining material		
Company Profile	<p>Greendiamz Biotech Ltd., ahmedabad based bioplastic company has established manufacturing facility in collaboration with France based Limagrain. The company deals with the production of Bioplastics and focuses on conserving environment and its resources.</p> <p>Bioplastics are derived from plant resources such as cornstarch, sugarcane, soybean, etc. Bioplastics are environment friendly in comparison with the traditional plastics. These bioplastics emit less carbon dioxide and degrade within 24 weeks as compared to plastics which degrade in 10-15 years.</p>		
Manpower	Total No. of Employees - 50 MBA-5 PG - 10 UG-15		
Collaborations (International)	Limagrain, France		

Sr. No.	IN:10		
Company Name	Maps Enzymes Ltd. 		
Address	302, Shapath-3, Near GNFC Info Tower, S.G. Road, Ahmedabad 380054.India.		
Contact Person	Mr. Piyush Palkhiwala, Mr. Bhavin Palkhiwala		
Designation	Chairman & MD		
Phone	(79) 26859971-74		
Fax	(79) 26859975		
Email ID	info@mapsenzymes.com		
Website	www.mapsenzymes.com		
Type of Organization	Public Limited Firm		
Sector Activities	Service provider and Manufacturer		
Founding Year	1975		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	58.00	54.28	55.0
Key/Products/Services	Products: Enzymes for Textiles, Leather, Animal feed, Detergent, Effluent Treatment		

<p>Company Profile (150-200 Words)</p>	<p>Maps is a pioneer biotechnology company producing enzymes and microorganisms. From its humble beginning in the hands of one man in 1975, today Company becomes a respected and dynamic pillar of the biotech industry. Company takes pride in being one of the top 1000 national private business groups and amongst the top 50 biotech companies in India. Using the most sophisticated fermentation technologies to develop innovative and effective enzymes and microorganisms, Company provides biotech solutions for various industrial applications. With a complex product portfolio of 60+ products for more than 10 different industries and a sales network spread across 4 continents in 22 countries, Company's biotech solutions improve industrial performance and quality while at the same time saving on water, energy, raw materials and waste.</p> <p>Company's success can be attributed to its policy of providing innovative, effective and high-quality products and solutions to meet specific customer needs with continuous research and product development. Maps believe in putting the customer and his requirements first; timely delivery, superior products, technical services and competitive prices, further strengthen this fact. The company is dedicated in making a significant contribution to products and services that exceed expectations for value, consistencies, reliability and environment safety.</p>
<p>Manpower</p>	<p>Total No. of Employees: 150</p>
<p>Recognitions/ Affiliations/ Achievements</p>	<ol style="list-style-type: none"> 1. DSIR Approved 2. UKAS quality management certificate: Government of India(2007) 3. ISOQAR quality assurance certificate
<p>Future Plans</p>	<p>Company's prime mission is to march ahead with the philosophy of Bio-Excellence and use its innovations in the areas of Biotechnology to provide customers with products and solutions that improve the quality, performance and safety of their products, with a constant focus on safeguarding the environment.</p> <p>The company wishes to meet their customers' needs for quality products and services. This implies identifying and solving their problems, intensifying contacts with them, listening to what they say and anticipating the future needs of the market. They are committed to comply with the requirement and to continually improve the effectiveness of management systems for enhancing customer satisfaction. The company wants to maintain high ethical standards in business dealings and in efforts to protect the environment. They will also maintain these standards in adhering to local, national and international laws, in cooperating with authorities and in communicating with the public. Being active in high-technology fields, the company would recognise new trends at a very early stage and be open to unconventional ideas.</p>


<p>Expansion of the company in terms of new BT Products scale</p>	<p>2003: Maps ventures in production of industrial microorganisms offering biological solutions for environment applications like treatment of waste and effluent and introduces its first biological product Palkotreat SP and their sales network expanded to Europe and America</p> <p>2004: Launched Palkodegrease - a lipase for degreasing application in leather processing and acquired a new corporate office in Ahmedabad</p> <p>2005: Maps signed MoU with Government of Gujarat for investing Rs. 100 million for development and production of new enzymes & microorganisms and further expanded their sales to African and Middle East countries</p> <p>2006: Launched Palkodehair - an alkaline protease for un-hairing / liming application in leather processing to replace hazardous chemicals and Palkostone NCA - a neutral cellulase for denim stone washing</p> <p>2007: Launched Palkotreat Aqua - a mixture of microorganism and enzymes for aquaculture</p>
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<p>Sr. No.</p>	<p>IN:11</p>
<p>Company Name</p>	<p>Meteoric Exim Pvt. Ltd : Meteoric Life Sciences</p> 
<p>Address</p>	<p>408/409, Shail complex, Near Shilp cross road, C.G. Road, Navrangpura, Ahmedabad - 380 006, Gujarat, INDIA</p>
<p>Contact Person</p>	<p>Mr. Gaurav Kaushik</p>
<p>Designation</p>	<p>Managing Director</p>
<p>Phone</p>	<p>+91 79 4037 1404, +91 79 4008 088</p>
<p>Fax</p>	<p>+91 79 4008 088</p>
<p>Email ID</p>	<p>contact@meteoric.in</p>
<p>Website</p>	<p>www.meteoric.in</p>
<p>Type of Organization</p>	<p>Private Limited Company</p>


Sector Activities	Pharmaceutical Industrial Biotechnology		
Founding Year	2006		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	1.25	2.22	2.97
Key Products/Services	Products: Bromelain Enzyme, Serratiopeptidase Enzyme, Papain Enzyme, Pepsin Enzyme, Textile Enzymes, Bakery Enzymes, Effluent & discharge treatment Enzymes, Detergent Enzymes, Probiotics, Nutraceuticals, Animal Feed Supplements, Contract manufacturing		
Company Profile (150-200 Words)	<p>Meteoric Life sciences is an integrated and well diversified company, incorporated to pursue an ambitious goal of introducing specialized biopharmaceutical products & biotech solutions to meet the needs of a quality conscious market. Meteoric Life sciences excels in manufacturing and marketing of Enzymes & Enzymatic Preparations, Pre & Probiotics, Feed supplements & Additives, Nutraceuticals and Animal healthcare products for wide range of industries.</p> <p>The journey of Meteoric Life sciences started in year 2006, with a mission of total commitment to quality & ethics and growing with values of integrity & innovations. Since inception Meteoric Life sciences has worked ceaselessly to research, develop, manufacture and market specialized biological, pharmaceutical and biotechnology products. Meteoric's commitment of providing high quality goods in a timely manner at a competitive rate remains its strength.</p> <p>Meteoric Life sciences has extended their wings in various countries across Asia, Europe, Canada, North America, South America and Australia. In addition, it also holds a strong presence in the growing domestic Indian market.</p> <p>Meteoric Life sciences has been ensuring that its products should remain within the reach of masses, therefore, its pricing policies has been to provide high quality products at an affordable price. The quest for excellence would never cease and Meteoric Life sciences looks forward to strongly support the global challenge of achieving.</p>		
Manpower	Total No. of Employees - 18 Ph.D. - 1 MBA - 4 PG - 6 UG - 7		
Recognitions/ Affiliations/ Achievements	ISO 9001:2008 Certification, Rashtriya Udyog Ratna Award		
Future Plans	The company aims in being a leading Biotech Player by developing several innovative products of superior quality with much more competitive price.		

Sr. No.	IN:12		
Company Name	Microgenix Pvt. Ltd. <i>Microgenix</i>		
Address	Microgenix House, 16 - Regent Park, Chief Justice Banglow Lane, Bodakdev, Ahmedabad - 380 059		
Contact Person	Mr. Mukesh Balram Ahuja		
Designation	Director		
Phone	079 2685 9348 to 51		
Fax	079 2685 9314		
Email ID	info@microgenix.co.in		
Website	www.microgenix.co.in		
Type of Organization	Private Limited Firm		
Sector Activities	Manufacturer		
Founding Year	1999		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	0.5
Key Products/Services	Pretreatment Preparations, Enzyme Formulations, Silicone Emulsions, Sizing Blends, Textile Auxiliaries, Resin & Coatings		
Company Profile (150-200 Words)	Microgenix specialises in Chemicals formulations of Enzymes, Silicones, Auxiliaries and functional finishes for Textiles/Garments. Microgenix developed over 450 unique customized formulations, using Proprietary Technologies.		

Collaborations (International)	Joint Venture in Bangladesh
Manpower	Total No. of Employees - 100 Ph. D. - 01 MBA - 03 PG - 26 UG - 70
Recognitions/Affiliations/Achievements	1. AN ISO Certification 9001 : 2008 by TUV SUD 2. In House R & D Recognition by Department of Science and Industrial Technology – Delhi 3. GOTS (Global Organics Textile Standards) approved products 4. MSME Excellence Award by GCCI (2010-2011)

Sr. No.	IN:13
Company Name	Micropore Filtration Solutions Private Limited 
Address	Office: B-1 Natasha Park Residency, Nizampura Road, Vadodara-390002 Proposed Site: Plot-9, Savli Biotech Park Phase-1 (Non-Sez) Vadodara
Contact Person	Mr. Vijay Raina , Mr. Murar Ji Raina
Designation	Promoter & Director
Phone	91-9866559317, 91-9717077933
Email ID	vkraina2000@yahoo.co.in, mjraina2000@yahoo.co.in
Type of Organization	Private Limited
Sector Activities	Micron and Nano Filtration Devices for Biotech Applications
Founding Year	2009

Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	7.5
Key Products/Services	Products: Membrane Filters, Cartridge And Capsule Filters, Diagnostic Membranes, Custom Devices		
Company Profile (150-200 Words)	Micropore Filtration will leverage "Membrane Technology" to build to support Research & Development in biotech and bio-pharma sector. Micropore will develop high quality membranes and devices of different class by indigenous technology to match world class quality and offer a substitution for high cost imported devices and strive to become a leading cGMP membrane filtration company in India.		
Manpower	Total No. of Employees : 20 (expected)		
Future Plans	To manufacture Hi-tech nano Custom Devices		

Sr. No.	IN:14
Company Name	Zytex Biotech Private Limited 
Address	Plot No. 23, 24, 36, Savli Biotech Park, G.I.D.C. Manjusar, New Water Tank, Village Manjusar, Taluka Savli, Gujarat- 391775
Contact Person	Mr. Jaswinderjit Singh
Designation	Manufacturing Head
Phone	026672-64005
Fax	02667-264006
Email ID	info@zytexas.com, jaswinderjit@zytexas.com, jayraj@zytexas.com
Website	www.zytexas.com

Type of Organization	Private Limited		
Sector Activities	Bio-beneficials for crop science, Food biotech		
Founding Year	2007		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	41.00	45.46	50.00
Key Products/Services	Products: Nattokinase, Aquadip (Gama Poly Glutamic Acid), Bio-Fertilizers, Probiotics		
Company Profile (150-200 Words)	Zytex is one of the pioneers of industrial biotechnology in India. Zytex has a world-class R & D center & application support lab approved by DSIR (Department of Science and Industrial Research), Govt. of India. The company's endeavor towards cutting-edge R&D in fermentation technology enabled them to become the first company in India to develop and manufacture Nattokinase Enzyme (NattoLife) and Gamma-Polyglutamic acid (Aquadip). Zytex develops and markets enzymes and biotech products in more than 14 countries to improve process efficiencies, performance and sustainability in a wide range of industries, from Textile, Nutraceutical, Cosmetic, Food & Baking, Wine, Pharmaceutical, Animal Feed., Industrial Cleaning and Agriculture.		
Manpower	Total No. of Employees - 30 MBA - 1 PG - 9 Graduate - 4 UG - 16		
Recognitions/ Affiliations/ Achievements	ISO 9001:2008 certified, ISO 22000:2005 certified, GMP certified		
Overseas Expansion	At present Zytex is working on screening of several micro-organisms and studying the efficacy of these products in various applications such as food, feed and agriculture. Our focus is on screening of micro-organisms from different area and study the efficacy of these microorganisms ability to produce enzymes, biopolymers, other secondary metabolites etc. and use purified products for application in bioaugmentation, agriculture, food and pharmaceuticals.		
New Technology	<ol style="list-style-type: none"> 1. The first company in India to develop and manufacture Nattokinase Enzyme (Nattolife) 2. Only company to produce γ-Polyglutamic acid (γ-PGA) on commercial level in India. 		
Future Plans	Expansions to add more biotech products in bio-fertilizers and probiotics segment		



Environmental
Biotechnology →



Environmental Biotechnology

Rapid industrialization, urbanization and other developments have resulted in an unclean environment and have depleted many natural resources. Environmental Biotechnology sector is mainly involved in environmental monitoring, restoration of environmental quality, waste-recovery, utilization, treatment and substitution of the non-renewable resource base with renewable resources. Environmental monitoring is of great importance for environment protection. The harmful effect of toxic chemicals on natural ecosystems has led to an increasing demand for early warning systems to detect those toxicants at very low concentrations levels. Bio waste management system is one of the important prospects for environmental protection. This approach involves careful selection of organisms, known as biocatalysts, for decomposition of bio waste. Biomass and Biofuel comprises the main sources of energy in rural India and contributes about 27% of total primary energy consumption of the country. As the untapped potential of this source is significantly high, the Government of India has identified development of biomass as one of the priority areas for its rural electrification programme.

In India, there are many industries involved in environmental biotechnology for growth and development in this area, for example Bharat Renewable Energy Ltd. (BREL) Lucknow, Praj Industries Ltd. Pune, AE Biofuels Andhra Pradesh, Godavari Biorefineries Ltd. Mumbai, Hash BioTech Labs Pvt. Ltd Punjab, Enhanced Biofuels & Technologies Pvt. Ltd. Tamilnadu. These firms are involved in environmental monitoring, restoration of environmental quality, waste-recovery, utilization and treatment of natural resources. Major Player of environmental biotechnology companies in Gujarat are BND Energy Pvt. Ltd., Ankur Scientific Energy Technology Pvt.

Revenue Profile

The total turnover of Environmental Biotechnology Companies in 2013-14 is 133 Crores (As per available data).

Sr.No.	Company	Revenue (INR Crores) (2013-14)
1	Abellon Clean Energy Pvt. Ltd. #	32.8
2	Altret Green Fuels Ltd.*	0.5
3	Ankur Scientific Technology Pvt. Ltd. #	60.5
4	BND Energy Pvt. Ltd.*	1.0
5	Concept Biotech#	28
6	ONGC TERI Biotech Ltd.*	10.0

Table EN1 : Turnover of Environmental Biotechnology Companies in 2013-14

*Estimated Biotechnology turnover derived from a) RBI estimation, b) MOU of Commissioned Projects

Turnover of Biotechnology Business only as per communicated by telephonic discussions & companies' Annual Reports

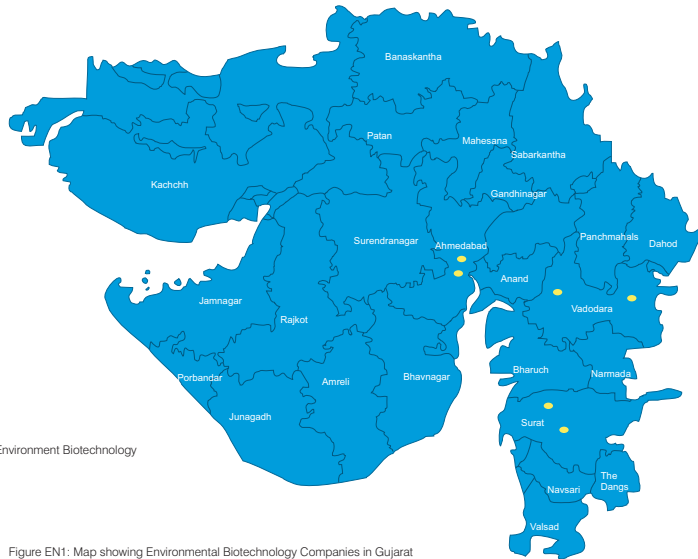


Figure EN1: Map showing Environmental Biotechnology Companies in Gujarat

Sr. No.	EN:1		
Company Name	Abellon Clean Energy Pvt. Ltd.		
Address	Sangeeta Complex, Near Parimal Railway Crossing, Ellisbridge, Ahmedabad - 380006,India		
Contact Person	Mr. Aditya Handa		
Designation	Managing Director & CEO		
Phone	079-66309332		
Website	www.abelloncleanenergy.com		
Type of Organization	Public Limited Firm		
Sector Activities	Renewable Energy		
Founding Year	2008		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	32.8
Key Products/Services	Bio-pellets: Pellexo, Eco-ShaktiEco-equipment: Eco-Chulha, Pellet Burner, Pellet Hot Water GeneratorBricks: Fly ash bricks Eco-Brix,Solar power & Bio-power generation		
Company Profile (150-200 Words)	<p>Abellon Clean Energy is an integrated sustainable energy solutions provider with a vision to contribute to clean energy generation through focus on bio-energy, including solid and liquid bio-fuels, bio-power and waste management, as well as other forms of clean energy generation.</p> <p>Abellon believes that the world needs a new paradigm to solve the deep and perilous problems of climate change, energy access, food security, health, and education. These areas have space for radical innovation and can create unparalleled business opportunities along with social good and financial inclusion for the "bottom of the pyramid". Among several philosophies that serve as guidelines, Abellon's vision and initiatives are inspired by Mahatma Gandhi's philosophy of sustainability.</p> <p>Abellon's product portfolio includes a range of brands across solid bio-fuels, heating & cooling technologies, and plant and soil nutrition products. The company has successfully established a global presence with its initiatives in India, Europe, North America and Africa, through product sales, current and upcoming projects, dedicated teams and a robust partner network in these regions.</p>		

Collaborations (International)	<p>1. Research Collaborations:</p> <ul style="list-style-type: none">• The Indo-U.S. Consortium for development of sustainable advanced lignocellulosic biofuel systems with USA partners from University of Florida, University of Missouri, Virginia Tech, Montclair State University, Texas A&M University, Show Me Energy and Green Technologies along with 11 Indian partners, funded by DoE, USA and DBT, India.• Abellon in collaboration with International Crops Research Institute for the Semi-Arid Tropics (ICRISAT) and Department of Environmental Technology, Technical University of Berlin (TUB), Germany, has received an agricultural research project grant from Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) in association with German Federal Ministry for Economic Cooperation and Development (BMZ) for "Intercropping of banana and sweet sorghum in marginal lands of Gujarat, India to demonstrate socio-economic and environmental benefits"• University of Toronto, under Natural Sciences and Engineering Research Council (NSERC) of Canada project entitled "Catalytic upgrading of biomass to value-added chemicals and liquid fuels" <p>2. Technology::</p> <ul style="list-style-type: none">• CPM, Germany for Pellet technology
Collaborations (Normal)	<p>Educational and Research collaboration with:</p> <ol style="list-style-type: none">1. Anand Agriculture University, Anand2. Hemchandracharya North Gujarat University (HNGU), Patan3. VVP Engineering College, Rajkot4. University of Petroleum & Energy Studies (JPES), Dehradun5. Kadi Sarva Vishwavidhyalaya (KSV), Gandhinagar <p>Technology collaboration with:</p> <ol style="list-style-type: none">1. Solar PV supply WAAREE Energies Ltd., Surat2. Municipal solid waste to Energy project, Ahmedabad Municipal Corporation, Ahmedabad

Recognitions/ Affiliations/ Achievements	<p>Recognitions:</p> <ol style="list-style-type: none">1. Abellon Research and Development department is recognized by Department of Scientific and Industrial Research (DSIR), Government of India, Ministry of Science and Technology.2. Eco-Shakti bio-pellets and production plant is certified as per European standards DINPLUS. <p>Awards:</p> <p>(A) Bioenergy Model:</p> <ol style="list-style-type: none">1. Zayed Future Energy Award 2014 in SME category, the most prestigious awards in the clean energy sector.2. Abellon has been shortlisted as a semi-finalist for the Buckminster Fuller Challenge 20133. Bio-energy man of the year, 2013.4. Good Environment Friendly Practices in Gujarat 2012 by Gujarat Ecology Commission (GEC)5. The World Bioenergy Award 2012 by the World Bioenergy Association6. Ashden Award, 2011 by UK Government Minister for Climate Change7. Asia Responsible Entrepreneurship Award (AREA), 2009 by Enterprise Asia. <p>(B) Solar agro-electric Model: Abellon Solar plant has initiated agricultural activity under solar panel for dual use of land for electricity and agricultural produce generation, dual use of water for penel wash and use of the same water for irrigation under the panels. Solar energy is use through photosynthesis under solar panel and on solar panel for solar radiation capture on solar cells. This initiative has got following international achievements;</p> <ol style="list-style-type: none">1. Inter solar Award 20132. "Readers' Choice award for Global Excellence 2013" - an international honour awarded by Renewable Energy World and Power Engineering.3. Land for Life award 2013 given by United Nations Convention to Combat Desertication (UNCCD). <p>(C) Eco-equipment:</p> <ol style="list-style-type: none">1. Asia Responsible Entrepreneurship Award (AREA), 2010.2. Golden Peacock Award 2011. <p>Others: Fly Ash bricks "E-Brix" project has been shortlisted as finalist for 2013 Parivartan Sustainability Leadership Awards. The Parivartan Sustainability Leadership Awards, instituted by Sustainability Outlook</p>
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Future Plans

To develop sustainable solutions to meet rising energy demands around the world by establishing integrated bio-energy models.

Sr. No.	EN:2		
Company Name	Altret Green Fuels Limited		
Address	12/2882, "Altret" House, Sayedpura Main Road, Surat - 395003,Gujarat, India.		
Contact Person	Mr. Akbar Lokhandwala		
Designation	Chairman and Managing Director		
Phone	0261-2451807		
Fax	0261- 2434517		
Website	info@altretgreenfuels.com		
Type of Organization	Public Limited Firm		
Sector Activities	Manufacturer and Service provider		
Founding Year	1996		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	0.5
Key Products/Services	Product: Dry algae biomass		

Company Profile
(150-200 Words)


Altret Greenfuels Limited is a closely held public limited company situated in Bhuj, Kutch district of Gujarat, India. The company is passionate about developing sustainable answers for energy need of future generations through renewable, alternate and sustainable raw materials such as Algae or other selected microorganisms. Altret Greenfuels Limited continues to pursue the most competent technologies through its R&D and has a unique position in our country as the only company reached up to the stage of commercialization and mass production of different algae. The company has specific focused areas in waste water treatment considering environmental management and sustainability. The Company also has ambitious plans of forward integration into the field of bio fuels from algae.

Mergers / Acquisitions

MOU signed with Gujarat Government


Future Plans


The Company has plans of diversifying into the field of bio fuels in near future.


Sr. No.	EN:3		
Company Name	Ankur Scientific Energy Technology Pvt. Ltd.		
Address	'Ankur', Near Navrachana School, Sama, Vadodara - 390024, Gujarat, India		
Contact Person	Mr. Ankur Jain		
Designation	Managing Director		
Phone	91-265-2793098 / 2794021		
Fax	91-265-2794042		
Email Id	ascent@ankurscientific.com		
Website	www.ankurscientific.com		
Type of Organization	Private Limited Company		
Sector Activities	Manufacturing and Marketing systems based on New and Renewable Sources of Energy with major focus on Biomass Gasifier Systems and Coal Gasifier Systems for Power and Thermal applications		

Founding Year	1986		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	34.66	52.99	60.5
Key Products/Services	Products: Biomass as a fuel, solar water heating system		
Company Profile (150-200 Words)	<p>Ankur Scientific is a Company which has been working in the field of Biomass to Energy since 1986 and has been developing, manufacturing and marketing 'Ankur' biomass gasifiers to produce a combustible gas for thermal applications and power generation. Ankur Scientific was founded in October 1986 by Dr. B.C. Jain, a technocrat and a Gold Medallist from BITS, Pilani, a double M.S., Ph.D and an M.B.A. from M.I.T. (Cambridge). The Company has extensive manufacturing facilities and has the sole focus is on production of Biomass Gasifiers, the facilities have been specifically designed and are frequently upgraded to ensure least cost and most efficient production.</p> <p>The company also won a MSME National Award-2012 from Government of India for outstanding performance in the category of Research & Development. The Company has a DSIR approved lab and is now ISO 9001, 14001, 18001 and CE certified.</p>		
Collaborations (International)	<ol style="list-style-type: none"> 1. Acquire Ltd. (Columbia) 2. Flex Technologies Inc. (Russia) 3. SME Renewable Energy Limited (Cambodia) 4. AGVE Srl (Argentina) 5. Renewables Plus (Malaysia) 6. Aboriginal Ankur Corporation (Canada) 		
Manpower	Total No. of Employees - 210 Ph. D. - 2 MBA - 7 PG - 9 Graduate - 31 UG - 161		
Recognitions/ Affiliations/ Achievements	Recognition: <ol style="list-style-type: none"> 1. DSIR approved 2. ISO 9001, 14001, 18001 and CE certified 		

Recognitions/ Affiliations/ Achievements	<p>Awards:</p> <ol style="list-style-type: none"> 1. SKOCH Achiever Award – 2014 in the Gold Category instituted by SKOCH Foundation for India's Best SME - 2014. Award was given away by Shri Montek Singh Ahluwalia, Deputy Chairman, and Planning Commission at New Delhi on 22nd March 2014. 2. SKOCH Award-of-Merit Certificate for Qualifying Amongst "India's Best SMEs – 2014 3. MSME National Award – 2012 from Government of India for outstanding performance in the category of Research & Development – Medium Enterprises – 1st March 2014. 4. "Gujarat SME Excellence Awards" in the category of "TECHNOLOGY & INNOVATION" from SME Chamber of India – 7th February, 2014. 5. "Parivartan Sustainability Leadership Awards 2013" organized by Sustainability Outlook on Thursday, Oct. 17th, 2013 at Shangri-La Eros Hotel, New Delhi. 6. Innovation Excellence Platinum Awards 2013 in the Category of Science and Technology as also a certificate in the Business Development Category – both from ASSOCHAM (India) – July 9, 2013
Future Plans	<p>The company's future plan focuses on following areas:</p> <ol style="list-style-type: none"> 1. Setting up / selling / installing of small decentralized distribution generation power generation system in the islands of Asia-Pacific region, which are pre-dominantly dependent on diesel power and the cost of power generation due to the high cost of diesel and its transportation to these islands 2. Setting up a manufacturing hub and JV specifically in Brazil. 3. Focus on Thermal Heat Applications thereby using various agri-residues and biomass available to replace the fossil fuels

Sr. No.	EN:4		
Company Name	BND ENERGY PVT. LTD. 		
Address	23-24, Bhurakhiya Arcade, Surat- Kamrej Road, Sarthana, Surat -395006.Gujarat.		
Contact Person	Mr. Bhavesh Desai/Mr. Dharmesh Desai.		
Designation	CMD/ Exe. Director		
Phone	0261-2576299		
Email Id	info@bndenergy.in		
Website	www.bndenergy.co.in		
Type of Organization	Public Limited Firm		
Sector Activities	Environmental Biotechnology: Manufacturer, Service provider		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	1.0
Key Products/Services	Reliable Manufacturer, Supplier, Trader and Exporter of Coal Briquette, White Coal Briquette, Fancy Bio Coal and Biomass Briquette.		
Company Profile (150-200 Words)	BND Energy Pvt. Ltd is world leader engaged in giving shape to world class range of engineering products for valued customers. They are sole manufacturer, supplier, exporter and trader of Bio Coal, Industrial Bio Coal, Fancy Bio Coal and Biomass Briquette. These products are serving variety of industries through its optimum quality, durability, excellent performance, reliability and cost effectiveness.		

Sr. No.	EN:5		
Company Name	Concept Biotech 		
Address	FF/42, Hiravanti complex, Opp. Aryankanya Vidyalaya Karelibaug, Vadodara(Baroda) Gujarat - 390018 (India)		
Contact Person	Dr. Suneet V. Dabke		
Designation	Manager		
Phone	09953353634, 91-9824091307, 91-9376030078		
FAX	91-22-6123 3846		
EMAIL ID	svdabke@yahoo.com, conceptbiotec@gmail.com		
WebSite	www.conceptbiotech.in		
Type of Organization	Public Limited Firm		
Sector Activities	Manufacturer and Service provider		
Founding Year	2001		
Turnover (INR in crore)	2011-12	2012-13	2013-14
	—	—	28
Key Products/Services	Products: Mechanized Composter, Mechanized Crusher, Vermi Accelerator, Composting Culture, Kitchen Waste Composting Bin, Vermi-Kit, Home Composting Bin Services: Waste management consultancy services		
Company Profile (150-200 Words)	Concept Biotech is a multidimensional biotechnology from specializing in waste management operation with specialization in composting and vermicomposting technology. Concept biotech has its own researched product and also helps other agency to establish its product in market with respect to its need.		
Manpower	Total No. of Employees - 6		

Sr. No.	EN:6		
Company Name	ONGC Teri Biotech Ltd. 		
Address	ONGC Teri Biotech Limited,C-18, Western Sector, ONGC Colony Near IRS, Chandkheda – 380005, Ahmedabad		
Contact Person	Mr. Rajesh Kumar		
Phone	079 -23290126, 09925005217, 09811392250		
EMAIL ID	otbl.amd@gmail.com		
WebSite	www.otbl.co.in		
Type of Organization	Public Limited Firm		
Sector Activities	Manufacturer and Service provider		
Founding Year	1996		
Turnover (INR in crore)	2011-12	2012-13	2013-14
			10.0
Key Products/Services	MEOR (Microbial Enhanced Oil Recovery) Technology, WDP (Wax Deposition Prevention)/ PDB(Paraffin Deposition Bacteria), Oilzapper (Bioremediation) Technology Technologies and services offered by the OTBL to oil industries: <ul style="list-style-type: none"> • 'OILZAPPER' (a microbial product to eliminate oil spill and manage oily sludge) • Microbial-enhanced oil recovery • Prevention of paraffin deposition in oil well tubing • Prevention of paraffin deposition in surface flow line • Control of sulfate reducing bacteria in water storage tanks and oil reservoirs • Design of specific microbes to increase efficiency of ETPs. • Flow assurance of paraffinic crude oil in oil pipelines • Control of microbial induced corrosion in oil etc. 		

Company Profile (150-200 Words)	<p>The Energy and Resources Institute (TERI) have a prolific association in the field of microbial biotechnology since 1996. The persistent efforts put in by scientists in microbiology laboratories of both ONGC and TERI for finding ways for enhanced oil recovery resulted in promising collaborative research. A long success story of the collaboration between ONGC and TERI culminated in the formation of ONGC TERI Biotech Limited (OTBL). Thus, from laboratory scale to pilot to successful field application through OTBL—summarizes the progress of collaborative efforts of microbial-enhanced oil recovery between ONGC and TERI so far. Through similar steps, but in a much faster way, WDP (Wax Deposition Prevention) / PDB (Paraffin Deposition Bacteria) treatment for oil well tubing and surface pipelines has also been developed. 'OILZAPPER', a consortium of crude oil and oily sludge degrading bacteria – deriving from various bacterial cultures existing in the natural environment, has also been developed by TERI after seven years of extensive research for cleanup of oil spills and treatment of oily sludge.</p>
Recognitions/ Affiliations/ Achievements	<ol style="list-style-type: none"> 1. ISO 9001 : 2008 ; 14001 : 2004 ; 18001 : 2007 Certified 2. Biotech Product & Process Development for Commercialization Award 2008 by Department of Biotechnology, Government of India 3. National Research Development Corporation Award, 2005 for the invention
Future Plans	To be the premier company providing biotechnological solutions by harnessing the capability of microbes for the production of energy and controlling environment pollution
New Technology	TERI and IRS, ONGC have jointly cultured a set of microbes that could survive temperatures as high as 90°C, air pressure up to 140 kilograms per square centimeter, and strong salinity with concentration levels ranging from 4% to 8%.



Bioinformatics →



Bioinformatics

Bioinformatics is an emerging field for the new era of biological data analysis. Bioinformatics sector in India have grown up rapidly as IT companies have stepped up their focus on life sciences. Indian Bioinformatics companies can look forward for gathering a large world market for bioinformatics services such as data mining, mapping and DNA sequencing, functional genomics, proteomics and molecule design simulation. Growing volumes of genomics data and an expanding number of participants have encouraged many pharmaceutical, IT, and Biotechnology (BT) companies to enter the bioinformatics sector. Indian IT companies such as Tata Consultancy Services (TCS), Cognizant Technologies, Infosys, and Wipro have already set up their bioinformatics divisions. Indian pharmaceutical companies such as GVK Biosciences, Dr. Reddy's Laboratories, Biocon, Astra Zeneca, Ranbaxy, Biological E, and Nicholas Piramal are making rapid moves into the bioinformatics arena. The pure-play bioinformatics companies in India include Strand Genomics, Ocimum Biosolutions, SysArris, SciNova India, CytoGenomics, Mascon and Molecular Connections. These companies have come out with products to cater mainly to the needs of the pharmaceutical and biotechnology companies. Most of these companies are small and medium enterprises based at places like Bangalore, Hyderabad and Pune.

Gujarat state is poised with intact IT strength and stride out to enhance the Bio-IT fusion technology sector. An endeavor toward the success is essential to create institutional and corporate strengths in fusing bio-science and computational science to push the frontiers of life sciences. Gujarat with its very strong Pharma, Healthcare and Agriculture sectors offers an ideal platform to venture into the emerging Biotechnology industry and also having very primitive scope for the Bioinformatics. Over the past years, Bioinformatics has gained acceptance among number of markets especially in pharmaceutical biotechnology, Industrial Biotechnology and agricultural biotechnology. Companies in Gujarat which are having bioinformatics divisions are La Chandra Bioscience, IBIO Analysis Pvt. Ltd. These companies are engaged in providing sequencing and other bioinformatics services for research organizations, academia and companies.

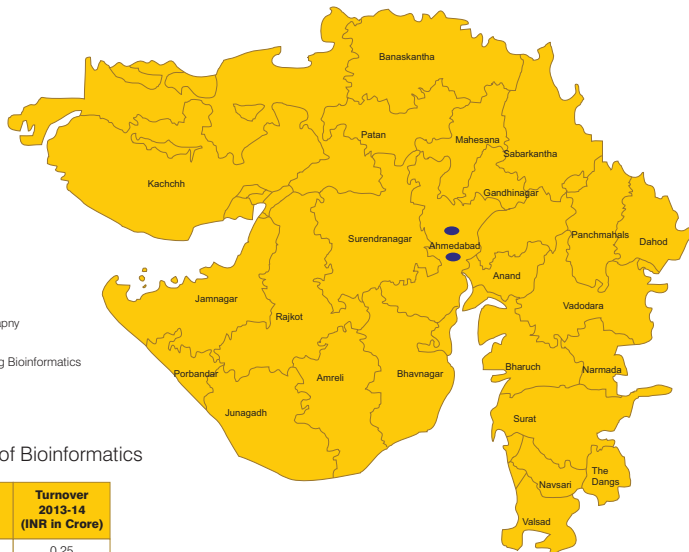




Figure BI1 : Map showing Bioinformatics companies in Gujarat

Revenue Profile of Bioinformatics

Sr.No.	Company	Turnover 2013-14 (INR in Crore)
1	Ibio Analysis	0.25
2	La chandra	0.8

Company Name	iBIO Analysis Pvt. Ltd. 		
Address	202, Campus Corner, Near St. Xaviers College, Ahmedabad-380009,Gujarat, India.		
Contact Person	Mr. Chaitanya Vyas		
Designation	Director		
Phone	+91 79 26424046, 09925205552		
Fax	—		
E-mail ID	info@ibioa.com, bkb@ibioa.com, cdv@ibioa.com		
Website	www.ibioa.com		
Type of Organization	Private Limited		
Sector Activities	Training & Service Provider		
Turnover (INR in crore)	2011-2012 —	2012-2013 —	2013-2014 0.25
Key Products/Services	1.Next Generation Sequencing Data Analysis Training and Services 2.Flow Cytometry Training and Services 3.Confocal Microscopy Training and Services		
Company Profile (150-200 Words)	IBioAnalysis Pvt. Ltd. in collaboration with C-CAMP (DBT) is an initiative to promote biosciences research by providing training and services to researchers and by making available state of the art technology platforms. The growing Indian Biotech Industry is expected to start seeking services, support and skilled human resources from within India to spur on the vast growth potential exponentially.		
Collaborations (National)	1. Centre for Cellular and Molecular Platforms,(C-CAMP) NCBS, Bangalore 2. Institute of Life Sciences, Ahmedabad University,		
Manpower	Total No. of Employees - 5 Ph. D. - 3 PG - 2		

Recognitions/ Affiliations/ Achievements	<p>1.Launched NGS Data Analysis Course in August 2014 and Successfully Completed two batches in training of NGS data analysis.</p> <p>2.Basic Flow Cytometry Course declared for December 14.</p> <p>3.Conducted Lecture on Basics of Genomics and Its Application on 7 Institutes.</p> <p>4.Successfully conducted IBioA – PERD 1 Day seminar on 'NGS technologies and it's application' in September 14.</p>
Future Plans	<p>Keep adding new & latest technology platforms for both training and services.</p> <p>Research - Both In-house and Collaborative.</p> <p>Keep getting on board, highly qualified and skilled biotechnologist to help impart skill sets, services and do research.</p>

Sr. No.	BI:2		
Company Name	La Chandra Bioscience Pvt Ltd 		
Address	C/O Chandrabhan Hospital, Raj Plaza, Sonal char rasta, Subhash Chowk, Gurukul Road, Memnagar, Ahmedabad-380052		
Contact Person	Mr. Priyavrat Gadhvi		
Phone	079-27451819		
Email ID	info@lachandra.com		
Website	www.lachandra.com		
Type of Organization	Private Limited		
Sector Activities	Service Provider		
Founding Year	2012		
Turnover (INR in crore)	2011-12	2011-12	2011-12
	—	—	0.8

Key Products/Services	Services: Whole Genome de novo sequencing, Whole Genome resequencing, RNA sequencing (Transcriptome), Small RNA profiling and discovery, ChIP sequencing, Microbial Genome sequencing, Exome sequencing, Personal (Human) Genomics services
Company Profile (150-200 Words)	A range of Next Generation Sequencing (NGS) and Bioinformatics services for high throughput data generation and analysis. The Company collaborates with Genome Research Foundation and Theragen Bio Institute of South Korea
Collaborations (International)	Theragen Bio Institute, South Korea
Manpower	Total No. of Employees - 3
Recognitions/ Affiliations/ Achievements	1.DBT recognized 2.NCS-TCP certificate



Food
Biotechnology →



Food Biotechnology

Food Biotechnology, a branch of food science which employs various biotechnological techniques, is applied in order to improve food production and quality. Biotechnology has a long history of use in food production and processing. Thousands of years ago since the time of Babylonians, Fermentation, a form of biotechnology has been used to produce wine, beer and bread. Biotechnology and genetic engineering enabled food producers to produce new products with desirable characteristics like high nutritional value, taste, food safety and quality.

Earlier industrial enzymes were extracted from plant and animal sources which were then substituted by microbial sources due to ease of availability and processing. An example of this would be the use of chymosin in the production of cheese; cheese was typically made using the enzyme rennet which was extracted from the stomach lining of the cow. Scientists then started using a recombinant chymosin for milk clotting to make cheese and yoghurt. Food production using microbial enzymes was the first application of genetically modified organisms in food production.

In Food Biotechnology sector, Amul is a renowned company of Gujarat. Gujarat Cooperative Milk Marketing Federation Ltd. (GCMMF), popularly known as 'AMUL' is India's largest food products & marketing organization with annual turnover (2013-14) of US\$ 3 billion. This Company has been a role model for the corporate sector in India. With its constant zest for innovation, the Company has the widest range of dairy products. In terms of innovation, Amul has launched several Probiotic

products that provide health benefits. Probiotics are the food products that use microbes which help to keep the human digestive system to function smoothly. It also improves nutrients uptake through enhanced breakdown of vitamins, minerals and amino acids and their assimilation into the body.

Within the functional food segment Probiotics is the rapidly active and expanding area. In this probiotic revolution, India can play a key role as having world's highest cattle population and being the largest producer of milk. Indian probiotic industry is still in its infancy stage and presently contributes less than 1% to the global market of probiotics. Indian Probiotic industry is evolving at a steady pace with conditions set for tremendous growth in the near future. India is emerging as a major probiotic market of the future with annual growth rate of 22.6% until 2015. The major players in Indian probiotic industry are Gujarat based Amul, Delhi based Mother Dairy, Yakult, India and Nestle along with other minor players operating in different regions with their own capacities.

Amul was the first to make a dent at National level with its probiotic ice creams proliferating in February, 2007. Amul, on the other hand, having tasted success in the probiotics category with its ice cream introduced probiotic lassi. Probiotic products contribute to 10% to its ice-cream sales and 25 per cent of its Dahi (Indian yoghurt) sales. A recent survey in India indicated that the probiotic market turnover is expected to reach \$8 million by the year 2015. Amul is the leader in Probiotic yogurt sales in India and is likely to remain as a leader in the years to come. (As per Probiotic Association of India)

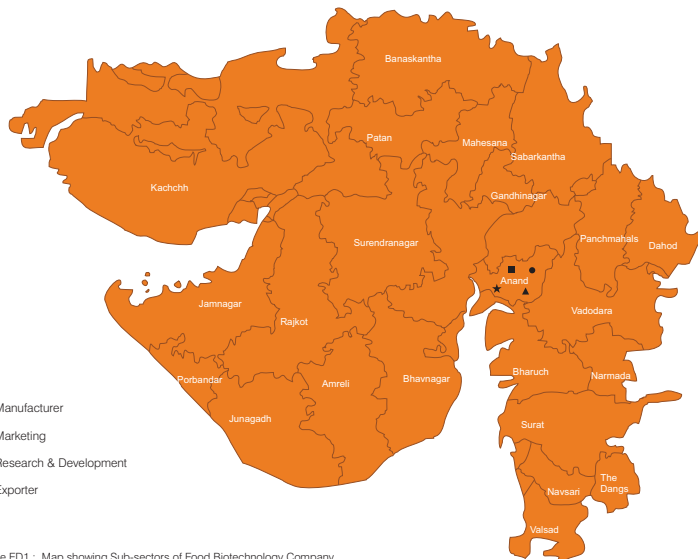


Figure FD1 : Map showing Sub-sectors of Food Biotechnology Company

Company Name	Gujarat Cooperative Milk Marketing Federation Ltd. (Amul)			
Address	Head Office: Gujarat Cooperative Milk Marketing Federation, PO Box 10, Amul Dairy Road, Anand 388 001, Gujarat, India. Zonal Office: Opp. Old Pilot DairyKankaria, Ahmedabad, 380 022, Gujarat, India.			
Contact Person	Mr. R.S. Sodhi			
Designation	Managing Director			
Phone	+91-2692 256124, +91-2692 256224, +91-2692 256324, +91-2692 240225			
Fax	+91 2692 240225			
Email ID	Corporate:gcmmf@amul.com, Exports:exports@amul.com, Careers: careers@amul.com			
Website	www.amul.com			
Type of Organization	Public Limited Firm			
Sector Activities	Manufacturer, Marketer, Exporter and R&D			
Founding Year	1946			
Annual Turnover (INR in Crore)	2011-12	2011-12	2011-12	
	110*	130*	180*	
	Estimated revenue of Probiotic products of Amul*			
Key Products/ Services	Products: Milk products Services: Animal Healthcare and Breeding			
New Products Launched	Prolife Probiotic Dahi (2010), Prolife Probiotic Lasse (2010), Amul Flaavyo Yogurt (2011)			

Company Profile	<p>Gujarat Cooperative Milk Marketing Federation Ltd. (GCMMF) is India's largest food product marketing organization popularly known as 'Amul', which today is jointly owned by 3 million milk producers in Gujarat. Amul spurred India's White Revolution, which made the country the world's largest producer of milk and milk products. It operates through 53 Sales Offices and has a dealer network of 10000 dealers and 10 lakh retailers, one of the largest such networks in India. GCMMF is India's largest exporter of Dairy Products. Many of their products are available in USA, Gulf Countries, Singapore, The Philippines, Japan, China and Australia. Amul's presence on Global Dairy Trade (GDT) platform in which only the top six dairy players of the world sell their products, has earned respect and recognition across the world. Amul Plants are certified by Agricultural and Processed Food Exports Development Authority (APEDA) for export of dairy products to international markets. Amul has been the first dairy in India to get accredited with certification of ISO 2200:2005 & ISO 9001 for its operations and plants. Further Amul has set an example that village Dairy Co-operative Societies could also achieve this milestone as these societies are accredited with ISO 9001:2000 – a remarkable achievement in the history of India. As a part of milk production enhancement programme and improve cattle breeds of farmer producers Amul initiated various development programmes. Animal Husbandry activity is one of the programmes envisaged by Amul for enhancement of milk production. Some of the programmes are: Semen Production, Preservation and dispatch for Artificial Insemination, Progeny Testing, Fertility Improvement, Dairy Heard Improvement, Mass Vaccination and Deworming, Mapping of soil for Deficiency of Minerals, Animal Nutrition, Development of Village Resource Persons (Inseminators) for Artificial Insemination and First Aid, Extension Education for farmers on Good Management Practices in Dairy Husbandry etc. and the services are provided even at the door step of farmers. Amul has further established mobile and static animal disease diagnostic laboratories at Balasinor equipped with sophisticated equipments and professionals to assist the veterinary services for specific treatment of the ailing animals.</p>
Mergers/ Acquisitions	Kapila Dairy, Rajgurunagar (2003)
Manpower	Total No. of Employees: 2.9 millions
Future Plans	Amul Plans to Sell Liquid Milk in U.S. and Canada
Any other details	Amul has started manufacturing clarified butter (ghee) and cottage cheese (paneer) at a New Jersey plant, USA since February 2014. Moreover, Amul has also joined hands with a local plant in order to manufacture milk products in the city and further they might enhance it by buying milk from local farmers in near future.

Recognitions/ Affiliations/ Achievements	<ol style="list-style-type: none"> 1. National productivity council productivity awards (1985-86, 1986-87, 1987-88, 1991-92, 1992-93, 1993-94, 1994-95, 199-96, 1996-97, 1998-99) 2. Indian merchants' chamber bombay award (1988) 3. Industrial good house keeping contest gujarat state 4. Baroda productivity council (1997-98) 5. Indian co-operative centenary celebration : shakari vikas ratna award (2004) 6. National energy conservation award (2009) 7. Care awards – healthcare category (2013) 8. CII national award for food safety (2013) 9. Rajiv Gandhi National Quality Award (1999) 10. International cio 100 award for resourcefulness (2003) 11. qimpro Gold Standard 2003. 12. Ramkrishna Bajaj National Quality Award (2003) 13. Amul Pro-Biotic Ice-cream Gets No. 1 Award At World Dairy (2007) 14. Srishti G-cube Award For Good Green Governance (2009 and 2010) 15. International Dairy Federation Award for the best environmental initiative (2010) 16. Green Globe Foundation Award (2012) 17. ET-Corporate Citizen Award of the Year (2010-11) 18. SAP Award for Customer Excellence (SAPACE) (2013) 19. QIMPRO GOLD STANDARD Quality Award (2013) 20. AIMA High Performance Brand Award (2013) 21. CNN-IBN Innovating for a Better Tomorrow Award (2014) 22. Amul Pro-Biotic Ice-cream Gets No. 1 Award At World Dairy (2007) 23. Amul has risen to 15th position among top dairy organisations of world in 2014 from the 20th rank within two years, according to a recent survey by International Farm Comparison Network (IFCN), a leading, global dairy knowledge organisation.
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