Applying Science. Enriching Life.
CONTENTS

CORPORATE OVERVIEW 2-6
• JUBILANT LIFE SCIENCES - AT A GLANCE 2
• LEADERSHIP POSITIONS 2
• JUBILANT LIFE SCIENCES AROUND THE WORLD 3-4
• CORPORATE SUSTAINABILITY 5-6

ENABLERS 7-8

BUSINESS OUTLINE 9

PHARMACEUTICALS 10-12
• ACTIVE PHARMACEUTICAL INGREDIENTS (APIs) 11
• SOLID DOSAGE FORMULATIONS 11
• RADIOPHARMACEUTICALS 11
• ALLERGY THERAPY PRODUCTS 11
• STERILE INJECTABLES & OCL (OINTMENTS, CREAMS & LIQUIDS) 12
• DRUG DISCOVERY AND DEVELOPMENT SOLUTIONS (DDDS) 12
• HEALTHCARE 12

LIFE SCIENCE INGREDIENTS 13-15
• FINE CHEMICALS 14
• ADVANCE INTERMEDIATES 14
• CROP SCIENCE CHEMICALS 14
• NUTRITION INGREDIENTS 15
• LIFE SCIENCE CHEMICALS 15

AWARDS AND ACCOLADES 16

For more information log on to www.jubl.com
JUBILANT LIFE SCIENCES - AT A GLANCE

Jubilant is driven by the motive to add value to millions of lives through innovations and cutting-edge technology. With the continuous expansion over last three decades, Jubilant Life Sciences has recently emerged No. 6 amongst the Top 10 global contract manufacturing & services outsourcing players of the pharmaceutical industry*. It is one of the leading manufacturers of Solid Dosage Formulations & APIs, Radiopharmaceuticals, Allergy Therapy Products, Contract Manufacturing of Sterile Injectables and OCL (Ointments, Creams and Liquids). The Company is backward integrated into Fine Chemicals, Advance Intermediates, Crop Science Chemicals, Nutrition Ingredients, through Pyridine Chemistry and Life Science Chemicals. The drive for excellence has seen Jubilant attain leadership position in key businesses it operates in. **The Company is globally No.1 in manufacture of Pyridine & its 10 derivatives**, using agricultural feedstock. This process leaves around 46.7%** lesser carbon footprint as compared to petroleum route. Jubilant - **Applying Science to Enrich Life.**

Jubilant Life Sciences:
An integrated Pharmaceutical and Life Sciences Company **offering end-to-end solutions** across pharmaceutical value chain

**Revenues** FY2013: **US $ 950 Mn**
Servicing customers in across **99 countries**
Partners 19 out of the top 20 pharmaceutical companies, and 6 out of the top 10 agrochemical companies globally

**7 manufacturing locations in India** and **3 manufacturing locations in North America**
Manufacturing facilities approved by leading regulatory agencies like **USFDA, UKMHRA, ANVISA Brazil, PMDA Japan, AFSSAPS France** and other leading international bodies

LEADERSHIP POSITIONS

<table>
<thead>
<tr>
<th>APIs</th>
<th>Nutrition Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Globally No.1 in 4 APIs</strong>; and ranked among Top 3 in 3 APIs</td>
<td><strong>Globally No.2 in Niacinamide</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Generics</th>
<th>Allergy Immunotherapy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No.1 in US in 3 products</strong>; and ranked among Top 3 in 5 products</td>
<td>Ranked among <strong>Top 3 suppliers in North America</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Radiopharmaceuticals</th>
<th>Contract Manufacturing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>No.1 in North America in 3 Nuclear Medicine products</strong></td>
<td>Ranked among <strong>Top 5 Contract Manufacturers in North America</strong> in Sterile Injectables</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pyridine &amp; Fine Chemicals</th>
<th>Acetyl</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Globally No.1 in Pyridines &amp; its 10 derivatives</strong></td>
<td><strong>Globally No.7 in Ethyl Acetate and Acetic Anhydride</strong></td>
</tr>
</tbody>
</table>

* Source: UNCTAD 2011
** Carbon footprint estimation is cradle-to-gate adopting PAS 2050 and CHG Protocols
JUBILANT LIFE SCIENCES AROUND THE WORLD

**NORTH AMERICA**

- **Kirkland, Quebec, Canada**
  US FDA approved facility for contract manufacturing of Ointments, Creams and Liquids (OCL) and Radiopharmaceuticals

- **Ottawa, Canada**
  DDDS Office

- **Spokane, Washington, USA**
  US FDA approved facility for contract manufacturing of Sterile Injectable and Allergy Therapy Products

- **Horsham, Pennsylvania, USA**
  Jubilant Cadista - Sales & Marketing Head Office

- **Malvern, Pennsylvania, USA**
  DDDS Office

- **Salisbury, Maryland, USA**
  US FDA approved facility for Generics (Tablets & Capsules)

- **Raleigh North Carolina, USA**
  Clinical Research Centre and Jubilant Life Sciences Marketing Office

- **Bedminster, New Jersey, USA**
  Clinical Research Centre and Jubilant Life Sciences Marketing Office

**EUROPE**

- **Merelbeke, Belgium**
  Regulatory & Generic Marketing

- **Dusseldorf, Germany**
  Jubilant Clinsys, Europe Office

**CHINA**

- **Shanghai, China**
  Marketing Office
INDIA

Noida, Uttar Pradesh
Corporate Office
R&D Centres

Roorkee, Uttarakhand
US FDA, UK MHRA, ANVISA Brazil
and PMDA Japan approved facility
for Generics

Gajraula, Uttar Pradesh
Largest integrated Pyridine & its
derivatives facility in the world

Samlaya, Gujarat
Animal Nutrition Products

Bharuch, Gujarat
SEZ for Vitamins and Life
Science derivatives

Ambernath, Maharashtra
Exclusive Synthesis - Pyridine
derivatives

Nira, Maharashtra
Life Science Chemicals

Bengaluru, Karnataka
State-of-art Discovery Centre

Nanjangud, Karnataka
US FDA, AFSSAPS France &
PMDA Japan approved
APIs facility
Jubilant’s approach to sustainable development focuses on the triple bottom line of Economic, Environmental and Social Performance. It also stresses on Corporate Governance which is the guiding pillar for the triple bottom line approach, and follows a structured methodology for risk identification and management. Jubilant’s Corporate Sustainability Program has been recognised by institutions like Global Reporting Initiative (GRI), International Finance Corporation (IFC) and Confederation of Indian Industry (CII).

Key highlights of Jubilant’s sustainability initiatives:


2. Signatory to UNGC & follows the principle of human rights at workplace.

3. Food and Agriculture Centre for Excellence (FACE): An initiative between CII and Jubilant Bhartia Group to build capacity while leveraging technology and innovation to improve productivity and the environmental footprint of agriculture. FACE acts as a catalyst in the integrated development of India’s agriculture and food sector.

4. Reaching out to 65 villages, 350,000 people and 13,500 students through community development programs covering primary education, basic healthcare and livelihood generation.

5. Jubilant Bhartia Foundation, in collaboration with Schwab Foundation, organises ‘The India Social Entrepreneur of the Year Award’ to identify the visionary social entrepreneurs.

6. Transparency in sharing sustainability key indices with stakeholders.

7. The Corporate Sustainability Report of Jubilant has continuously been rated A+, since 2007 by (Global Reporting Initiative) GRI.
ENABLERS
Jubilant Life Sciences nurtures innovations, offers excellent quality and always stretches to inspire confidence in its customers. Over the years it has evolved to be the ‘Partner of Choice’ to 19 of the top 20 pharmaceutical and 6 of the top 10 agrochemical companies.

Jubilant has a robust Business Excellence framework which translates business strategic objectives to initiatives, which when driven through various toolkits/methodologies, become enablers for achieving business goals. Lean Six Sigma has become the DNA of the organisation, where every employee is engaged in driving innovation and breakthrough improvements. The initiative spans across all businesses of Jubilant globally aimed at driving excellence in Supply Chain (SCOR framework), Manufacturing (Lean Six Sigma & TPM), R&D (QbD & Design for Six Sigma), Project Management & Innovation, at both Operational & Strategic Levels.

The R&D team provides critical support for manufacturing and Company’s new business work plans. A team of about 1000 qualified and well-experienced scientists positioned in state-of-art R&D centres located in Noida, Gajraula and Bengaluru, specialises across the value chain of pharmaceuticals research. The laboratories are well equipped with facilities that support and carry out research and development pertaining to generics including APIs & Solid Dosage Formulations, Drug Discovery, Chemistry/Process Development of Advance Intermediates, Fine Chemicals, Contract Research, Analytical Research, Biological Support including Pharmacokinetics and identifying newer opportunities in Clinical Research. The R&D team also aids in avoiding any potential infringement on third party’s intellectual property by developing research strategies as well as better understanding of emerging threats and identifying newer opportunities.

The R&D team is forward integrated into the manufacturing of the Company spread across ten locations: seven in India and three in North America. All the manufacturing units of Jubilant meet global standards and are accredited by major international regulatory agencies.

The Company has a strong People Excellence framework to attract, groom & retain the best talent in the industry to serve its customers. Jubilant has a culture of nurturing innovations and rewarding performers. The employees are encouraged, supported and rewarded for innovations & initiatives that enable the Company to offer best solutions to its customers.
The businesses of Jubilant Life Sciences are classified under two segments - **Pharmaceuticals and Life Science Ingredients**.

**Pharmaceuticals:**
- Active Pharmaceutical Ingredients (APIs)
- Solid Dosage Formulations
- Radiopharmaceuticals
- Allergy Therapy Products
- Sterile Injectables & OCL (Ointments, Cream & Liquids)
- Drug Discovery and Development Solutions
- Healthcare

**Life Science Ingredients:**
- Fine Chemicals
- Advance Intermediates
- Crop Science Chemicals
- Nutrition Ingredients
- Life Science Chemicals
ACTIVE PHARMACEUTICAL INGREDIENTS (APIs)
Jubilant has 27 commercial APIs focusing on CVS, CNS, Anti-infective and Anti-ulcerants which are marketed to leading generics companies. Jubilant’s forward integration into generics, 65 US DMFs to its credit, and excellent track record has given the Company momentum in key markets like North America, South America, Europe, Japan, Korea, Middle East and Australia.

SOLID DOSAGE FORMULATIONS
In an effort to make healthcare truly inclusive, governments across the world are looking for cost effective healthcare. Therefore, putting pressure on innovator pharmaceutical companies to bring down the cost of medicines.

Jubilant Life Sciences partners global pharmaceutical companies in an endeavour to offer cost effective generics with speed to market. The generics business is backward integrated into APIs business of the Company and focuses on manufacturing & sale of proprietary solid dosage formulations including CVS, CNS and Anti-allergy categories.

The Company has 31 commercial products across geographies including the United States and Europe. It is also one of the largest exporters of oral solid formulations to Japan.

The Company has 58 ANDAs in USA, 41 dossiers in Europe, 20 filings in Canada and over 500 filings in other countries across the world.

RADIOPHARMACEUTICALS
Jubilant Life Sciences develops, manufactures and commercialises radiopharmaceuticals used for the diagnosis and treatment of diseases. The Company serves markets globally, and is the market leader in North America in four Nuclear Medicine segments. Clinical applications include diagnostic imaging for cardiology, oncology, lung, kidney, brain and bone, as well as radiotherapy for thyroid and cancer. The Company has a strong new product development pipeline, in particular for Rubidium Rb - 82 (a Rubidium Generator, for PET Cardiology), and generic products.

ALLERGY THERAPY PRODUCTS
HollisterStier Allergy, business unit of Jubliant Life Sciences, has been a leader in the United States immunotherapy industry for more than 90 years. Over these years the Company has expanded its customer base to include allergists, ENT doctors and clinics, primary care physicians, hospitals, and pharmacies in the US, Canada, Australia, and many other international markets. It currently has over 200 allergic extracts and mixes, and a line of specialised skin test devices in the market. To simplify patient treatment, the Company offers customised patient prescriptions to its customers. Innovation is a tradition at Jubilant. Continuous focus on product innovation enables the Company to offer doctors the requisite tools needed to treat and cure patients suffering from the effects of allergies.
STERILE INJECTABLES & OCL (OINTMENTS, CREAMS AND LIQUIDS)

Jubilant HollisterStier Contract Manufacturing & Services is an integrated Contract Manufacturing Organisation (CMO), manufacturing Sterile Injectables and OCL. Its contract manufacturing facilities are located across North America & India and provides specialised manufacturing services for global leaders in the pharmaceutical and biopharmaceutical industries.

DRUG DISCOVERY AND DEVELOPMENT SOLUTIONS (DDDS)

End-to-end innovative drug discovery & development solutions are provided by Jubilant Biosys Ltd., Jubilant Chemsys Ltd., and Jubilant Clinsys Ltd., subsidiaries of Jubilant Life Sciences Ltd. These solutions seamlessly integrate with preclinical infrastructure to provide high quality and efficient translational and clinical development (Phase I - IV) solutions to the global pharmaceutical & biotech industries.

HEALTHCARE

In its efforts towards making healthcare truly inclusive, Jubilant Life Sciences is committed to create an affordable, world class healthcare delivery system for the middle and lower income group people, living across West Bengal, India. The Company has set up two hospitals at Barasat (Jubilant Kalpataru Hospital) & Berhampore (Rabindranath Thakur Diagnostic & Medical Care Centre) catering to the local people.
FINE CHEMICALS
Jubilant’s Fine Chemicals business offers wide range of Advance Intermediates manufactured from Pyridine & Piperidine, which are derived from molasses as the starting material and find application in about 280 APIs, 50 agrochemicals, personal care and fine & specialty chemicals. These Fine Chemicals are manufactured through environment friendly process with lesser carbon footprint as compared to petroleum route, hence are classified as green fine chemicals. This business is backward integrated to the Pyridines business and serves its customers globally. The Company offers 167 Pyridine & Piperidine based products through in-house R&D and enjoys global leadership in 12 of them.

ADVANCE INTERMEDIATES
Jubilant Life Sciences is globally No.1 manufacturer of Pyridine & its 10 derivatives. The Company has almost thirty years of experience in Pyridine chemistry and is the only manufacturer of Pyridine & Picolines with complete backward and forward integration. The Advance Intermediates portfolio comprises of Pyridine, Picolines, Cyanopyridines and Piperidine. The Company has an environment friendly production process and is the lowest cost manufacturer across the globe. Jubilant’s Pyridine qualifies as a green product, as it is manufactured via the biomass route which gives it a benefit of 46.7%* in carbon footprint compared to the conventional petroleum route. The world class manufacturing facility is located in Gajraula, Uttar Pradesh. The facility has ZERO discharge and is OHSAS 18001, ISO 9001, & ISO 14001 certified.

CROP SCIENCE CHEMICALS
Jubilant’s Crop Science Chemicals business offers Agroactives and Key Advance Intermediates for the agrochemical industry. Leveraging its strength of full backward integration in Pyridine, Picolines & its derivatives, the Company strives to provide cost effective, reliable and long term sustainable solutions to all its agrochemical customers. Under Agroactives, the Crop Science business offers Chlormequat Chloride (CDC), which finds application as a plant growth regulator in wheat, grapes, soybean and ornamental etc. It also offers Key Advance Intermediates for Agroactives which are Symtet (2,3,5,6 – Tetrachloropyridine) and PCP (2,3,4,5,6 – Pentachloropyridine) which are used in Insecticide (Chlorpyrifos) and Herbicides (Triclopyr and Fluroxypyrmeptyl). The Company has many more products in the pipeline. Jubilant’s latest offering Symtet is produced through a niche technology developed by in-house R&D, using Pyridine as the starting material, which is produced captively. This product is eco-friendly as it generates less effluents and uses green chemistry which helps in reduction of greenhouse gas emissions.

* Carbon footprint estimation is cradle-to-gate adopting PAS 2050 and CHG Protocols
NUTRITION INGREDIENTS
Jubilant is the second largest manufacturer of Niacinamide & Niacin (Vitamin B3) worldwide. With backward integration up to the initial raw material stage and global scale of operation, Jubilant delivers unmatched advantages of consistent quality and availability of Niacinamide and Niacin to the customers globally. The Company’s manufacturing facilities are certified by international regulatory authorities, and its products conform to major international pharmacopoeias. Jubilant is the largest manufacturer of Choline Chloride in India, having capacity of 22000 MT/ Annum. The Animal Nutrition business offers high quality products in the category of Vitamin and Mineral Premixes, Betaine, Acidifiers, Toxin Binders, Growth Promoters and Emulsifiers. The manufacturing facility is FAMI-QS certified along with ISO accreditations.

LIFE SCIENCE CHEMICALS
Jubilant manufactures a range of Life Science chemicals of Acetyl group and holds leadership position in most of them.

Acetyl
Jubilant offers a basket of Acetyl products which include Ethyl Acetate, Acetic Anhydride, Acetic Acid, MCAA (Monochloroacetic Acid), SMCA (Sodium Monocholoro Acetate) and Acetaldehyde. The Company has the capability to produce Acetyls from agro-based feedstock including molasses and alcohol. Acetyl find applications in diverse industries such as Pharmaceutical, Crop Protection, Food & Beverages, Textiles, Packaging, Adhesives, Aromatics, etc.

Speciality Gases
Product offerings include Carbon Dioxide and Mixtures of Carbon Dioxide and Ethylene Oxide which mainly find applications in Beverage, Healthcare and Engineering Industry.
AWARDS AND ACCOLADES

Annual Greentech Safety Award 2013 - Silver Award under chemical sector, Gajraula Plant, India
CII - National Award for Excellence in Energy Management 2013, Gajraula Plant, India awarded as Energy Efficient Unit
FICCI Quality System Excellence Awards 2012, Silver prize under large scale category - Gajraula Plant, India
NDTV Profit Business Leadership Award 2012 under Corporate Social Responsibility category, to Jubilant Life Sciences
7 Star category Certificate from the Directorate of Industries, UP (valid for 2 years), Gajraula Plant, India
National Quality Excellence Award for best-in-class manufacturing presented by Stars of the Industry Group, Gajraula Plant, India
CII-National Award for Excellence in Water Management 2012 as Water Efficient Unit, Gajraula Plant, India
Economic Times - Frost & Sullivan India Manufacturing Excellence Gold Award - Process Sector for 2012 - Second time in a row, Gajraula Plant, India
I.C.C. Award for Water Resource Management in Chemical Industry for the year 2011, Gajraula Plant, India
Winner of Golden Peacock Award for Sustainability 2012, Gajraula Plant, India
Winner of Golden Peacock Environment Management Award 2012, Gajraula Plant, India
Winner of Golden Peacock National Quality Award - 2011 in Pharmaceutical Sector under Large Enterprises category, presented during the 22nd World Congress on Total Quality, organised in association with ET Now, Gajraula Plant, India
Entrepreneurs of the Year 2013 - Shyam S Bhartia & Hari S Bhartia, presented by the President of India at AIMA Managing India Awards
Lifetime Achievement Award 2010-11 - Shyam S Bhartia, presented by Mr. Anand Sharma, Minister of Commerce and Industry, Govt. of India at CHEMEXCIL’s Export Award
Ernst & Young Entrepreneur of the Year Award 2010 - Shyam S Bhartia, & Hari S Bhartia, under Life Sciences & Consumer Products category
Bio-Spectrum Person of the year Award 2009 - Hari S Bhartia
JUBILANT LIFE SCIENCES LTD.

Principal International Subsidiaries

USA
Jubilant HollisterStier LLC
3525, N. Regal, Spokane,
Washington 99207, USA
T: + 1 509 489 5656
F: + 1 509 484 4320

Jubilant Cadista Pharmaceuticals Inc.
207, Kiley Drive, Salisbury,
Maryland 21801, USA
T: +1 410 860 8500
F: +1 410 860 8719

Jubilant Clinsys Inc.
1 Crossroad Drive, Building A
Second Floor, Bedminster,
New Jersey 07921 2688 USA
T: +1 908 947 7777
F: +1 908 947 7593

Jubilant Life Sciences (USA) Inc.
1 Crossroads Drive, Building A,
Second Floor, Bedminster,
NJ 07921, USA
T: +1 908 658 9988
F: +1 908 658 9927

Germany
Jubilant Clinsys, Inc.
Münsterstrasse 248
40470 Düsseldorf
T: +49 211 61663270
F: +49 211 61663111

Canada
Jubilant HollisterStier Inc.
Contract Manufacturing & Services Division
16751 Trans-Canada Highway,
Kirkland, Québec, Canada H9H 4J4
Tel: +1 514 694 8220
Fax: +1 514 694 8201

Jubilant DraxImage, Inc.
16751, TransCanada Highway,
Kirkland (Montreal), Québec,
Canada H9H 4J4
Tel: +1 514 630 7080
Fax: +1 514 694 3865

Belgium
Jubilant Pharmaceuticals N.V.
Axxes Business Park,
Guldensporenpark 22, Block C
Gelijkglovers links
9820 Merelbeke, Belgium
T: +32 9 233 1404
F: +32 9 233 0016

China
Jubilant Life Sciences (Shanghai) Ltd.
Room No. 3403, Hongkong Plaza,
South Tower, No. 3, Huai Hai Zhong Road,
Shanghai-200021, China
T: +86 21 6390 7388
F: +86 21 6390 7399

Principal Indian Subsidiaries

Noida
Jubilant Clinsys Ltd.
C-46, Sector 62, Noida-201301,
Uttar Pradesh, India
T: +91 120 436 4000
F: +91 120 240 4396

Jubilant Chemsys Ltd.
B-34, Sector 58,
Noida 201301
T: +91 120 4093300
F: +91 120 2518776

Gujarat
Jubilant Infrastructure Ltd.
Plot No.P1-L1, with Jubilant SEZ
Plot No. 05, GIIDC Industrial Estate,
Village Vilayat,
Taluka - Vagra, Dist. - Bharuch – 390012, Gujarat, India
T: +91 2641 281500
F: +91 2641 281515

Bengaluru
Jubilant Biosys Ltd.
Drug Discovery Center
No 96, Industrial Suburb,
2nd Stage Industrial Area,
Yeshwanthpur, Bengaluru-560022
T: +91 80 666 28400
F: +91 80 666 28333

Kolkata
Jubilant First Trust Healthcare Ltd.
78, Jessore Road, (South) Barasat,
Kolkata 701027
24 pgs (North) West Bengal, India
T: +91 33 4036 3636
F: +91 33 2584 2855

Corporate Office
1A, Sector 16A, Noida-201301, Uttar Pradesh, India
Tel: +91 120 4361000
Fax: +91 120 2516628
email: support@jubl.com
www.jubl.com