



LIFE SCIENCES INDUSTRY

Insights into Human Capital & Locations 2022



TERMS OF USE

Buyers of this report are authorised to use it within their organisations. Any unauthorized copying, alteration, distribution, transmission, sale, display or other use of this report without written permission from Catenon India is strictly prohibited.

In case of wider distribution, multiple copies or bespoke research needs, please reach out to us at india@catenon.com



			Page Number
A)	Foreword		1
B)	Executive Sum	nmary	2-3
C)	The Life Scien	ces Industry	4
	1. <u>Location</u>	Intelligence	5-20
	a.	Geographical Inputs	6-9
	b.	Developmental Parameters	10-13
	c.	Industrial Ecosystem	14-17
	d.	Co-located Industries	18-19
	e.	Global Companies Manufacturing in India	20
	2. <u>Workfor</u>	<u>ce Insights</u>	22-33
	a.	Pyramid, Education & Salaries	25-33
	3. <u>Industry</u>	<u>Insights</u>	34-40
	a.	Availability of White Collar Workforce	35
	b.	Availability of Skills and Competencies	36
	C.	Workforce Intelligence	37-38
	d.	Factors Affecting Migration Preferences	39
	e.	Factors Affecting Job Changes	40
D)	About Us		41-42
E)	Appendix		43
F)	Bibliography		44
G)	Contact Us		45

Our world has changed rapidly in the recent years. Businesses have been forced to reimagine themselves. As companies globally reorganize themselves looking for growing markets, stability; reliability in their supply chains; efficiency in operations and workforce, new opportunities emerge.

A promising opportunity for global companies lies in India which uniquely offers both a large and growing demand, and a Life Sciences base for the globe, beyond just APAC. A democratic India offers an alter In-State to China, as the world loses confidence in China's economy, governance, and geo-political intentions. With many marquee companies already running large manufacturing operations in India, it is not a leap of faith but a logical destination to achieve the manufacturing imperatives of scale, efficiency and quality.

The objective of this report is to provide executives from the Life Sciences industry anywhere in the globe, very relevant information which will help them:

- Quantify cost and skill advantages in human resources that India offers
- Select the right manufacturing destination within India based on their individual context
- Obtain human resources and related data for business planning

This is the most comprehensive report on the Life Sciences industry, which covers the various sub-sectors such as pharmaceuticals, medicals devices and biotechnology in great detail. The workforce insights and compensation benchmarking will provide unparalleled insights across all business functions and seniority levels. I thank you for trusting us to provide this critical human capital related information. We hope you are successful in your journey, of expanding or investing in your manufacturing base in India. Stay safe. Stay strong. Make in India.



Gaurav Chattur Managing Director, Asia- Pacific Catenon APAC





As businesses globalize and traverse international borders, supply chain decisions have become increasingly complex. One of the key strategic issues that Life Sciences companies face is the selection of location to set up a new facility. Often, the strategic selection of a country is driven by broader issues such as ease of doing business, tax regimes, labor reforms and strength of supply chain, which drive the favorability of a country as the manufacturing destination of choice. Geopolitical issues have emerged as an important consideration for global companies to make such decisions. India ranks highly on the world map as an attractive destination for global Life Sciences companies. This helps companies get access to a huge local market while also de-risks their supply chain aberrations. There has been a series of initiatives and policy reforms undertaken by the Indian government to establish India as a manufacturing hub for the Life Sciences industry. These include, but are not limited to corporate tax reduction in 2019, Make in India, Skill India and many more. Recently, the Central Government and various state governments have made robust announcements to attract foreign firms to start manufacturing in India by further easing land acquisition and labor laws.

While there is abundant knowledge around frameworks that help in making decisions related to selection of location to set up a Life Sciences facility, synthesis of information to evaluate the multiple criteria that feed into these frameworks is often a herculean task. Some important factors that leaders need to make informed decisions are:

- Industry ecosystem
- Workforce & skill availability
- Manpower cost
- Workforce preferences

- **Developmental Parameters and Quality of Living**
- Transportation (Air, Rail, Road, Ports)
- Digital connectivity (broadband, voice)
- Tax incentives



Executive Summary

(2 of 2)



Decision makers often struggle to obtain accurate and relevant data on each of the above factors. This report covers the Life Sciences industry while duly taking into consideration the diverse nature of clusters and workforce issues within every sub-sector of the industry. Whether you are looking for intelligence regarding a specific location or want to have a detailed view on salary levels across functions such as operations, sales, marketing etc. this is the most comprehensive report you can consider.

The report is divided into three sections, each covering a specific aspect of the Life Sciences industry

Functions

200K+

Data Points

150+

20+

Manufacturing **Professionals**

HR Leaders

- **Location Intelligence & Developmental Parameters**
- Workforce Insights & Compensation Intelligence
- Additional Industry Insights

This report has been created with a singular focus in mind – to help decision makers obtain the right set of data points and information to make decisions regarding locations and human resources pertaining to the Life Sciences industry in India. The granularity of the report in terms of sub-sector and cluster level information makes it a must have tool for decision makers in the Life Sciences industry.

Life Sciences

- Indian drug & pharmaceutical exports stood at US\$ 24.60 billion in FY22 and US\$ 24.44 billion in FY21
- Export of medical devices from India stood at US\$ 2.53 billion in FY21, and are expected to rise to US\$ 10 billion by 2025
- India's bioeconomy is estimated to be at US\$ 80.12 billion as of 2021, which is a 14.13% growth over 2020





The Life Sciences industry report consists of detailed insights into 3 sub-sectors:

- Pharmaceuticals (API and bulk drugs, generics and finished dosages, nutraceuticals etc.)
- Medical Devices (ventilators, testing equipment, nebulizers, consumables including syringes, gloves, thermometer etc.)
- Biotech (biopharmaceuticals, biosimilars etc.)

Key areas covered in this section of the report include:

- a. Manufacturing clusters of the Indian Life Sciences industry by sub-sector
- b. Transportation connectivity (airports, railway stations, highways and ports)
- c. Developmental parameters and digital network connectivity (broadband and voice)
- d. Industry ecosystem
- e. Presence of other manufacturing industries in the clusters
- f. Major global Life Sciences companies manufacturing in India





	•	©	×		A	Ů	
	LOCATION	STATE	CLOSEST AIRPORT	CLOSEST TRAIN STATION	HIGHWAY (NATIONAL /STATE)	NEAREST PORT	NEAREST CITY
	Genome Valley	Telangana	23.7 KM	Hyderabad 3 KM	NH 163	Vizag 629 KM	Hyderabad 30 KM
	Nalgonda	Telangana	92 KM	Nalgonda 10 KM	NH 565	Vizag 546 KM	Hyderabad 90 KM
	Jeedimetla	Telangana	44 KM	Hyderabad 18 KM	NH 44	Vizag 629 KM	Hyderabad 20 KM
	Thane	Maharashtra	22 KM	Mumbai 37 KM	SH 42	JNPT 47 KM	Mumbai 24 KM
	Waluj- Aurangabad	Maharashtra	20 KM	Aurangabad 12 KM	SH 16	JNPT 350 KM	Aurangabad 13 KM
	Pimpri- Chinchwad	Maharashtra	19 KM	Pune 18 KM	NH 48	JNPT 146 KM	Pune 15 KM
	Verna Industrial Estate	Goa	15 KM	Margao 19 KM	NH 66	Mormugao 17 KM	Panjim 24 KM
	Baddi	HP	55 KM	Chandigarh 41 KM	NH 105	Kandla 1383 KM	Chandigarh 37 KM
	Sirmaur	HP	34 KM	Sanand 5-20 KM	NH 17	Kandla 276 KM	Ahmedabad 34 KM
	Dewas	Madhya Pradesh	47 KM	Indore 36 KM	NH 52	Mumbai 637 KM	Indore 40 KM
7	Nawanshahr	Punjab	47 KM	Ludhiana 52 KM	NH 344A	Haldia 1952 KM	Ludhiana 53 KM
PHARMA	Dehradun	Uttarakhand	25 KM	Dehradun	NH 7	Haldia 1830 KM	Dehradun
	Rangareddy	Telangana	88 KM	Hyderabad 80 KM	NH 65	Vizag 728 KM	Hyderabad 82 KM
	Ankleshwar	Gujarat	101 KM	Vadodara 93 KM	NH 64	Kandla 500 KM	Vadodara 89 KM
	Vadodara	Gujarat	5-20 KM	Vadodara	NE 1	Kandla 406 KM	Vadodara
	Ahmedabad	Gujarat	5-20 KM	Ahmedabad	NE 1	Kandla 298 KM	Ahmedabad
	Pithampur	Madhya Pradesh	6 KM	Indore 5-20 KM	NH 47	Mumbai 599 KM	Indore
	Indore	Madhya Pradesh	5-20 KM	Indore 5-20 KM	NH 3	Mumbai 600 KM	Indore
	Bengaluru	Karnataka	5-20 KM	Bengaluru 5-20 KM	NH 75	Mangalore 351 KM	Bengaluru
	Rangpo	Sikkim	87 KM	Rangpo 5-20 KM	NH 10	Haldia 729 KM	Gangtok 41 KM
	Visakhapatnam	Andhra Pradesh	5-20 KM	Vizag 5-20 KM	NH 16	Vizag 5-20 KM	Visakhapatnam



	•	(2)	X		A	Ů	
	LOCATION	STATE	CLOSEST AIRPORT	CLOSEST TRAIN STATION	HIGHWAY (NATIONAL /STATE)	NEAREST PORT	NEAREST CITY
	Vapi	Gujarat	85 KM	Vapi 5-20 KM	NH 8	Kandla 653 KM	Surat 67 KM
	Nagpur	Maharashtra	5-20 KM	Nagpur 5-20 KM	NH 36'	JNPT 837 KM	Nagpur
	Delhi	New Delhi	35 KM	NZM 33 KM	NH 24	Kandla 1105 KM	Gurugram 43 KM
	Gurugram	Haryana	18 KM	NZM 35 KM	NH 48	Kandla 1107 KM	New Delhi 24 KM
4.	Noida	Uttar Pradesh	34 KM	NZM 18 KM	NH	Kandla 1123 KM	Delhi 47 KM
	Ponda	Goa	31 KM	Margao 20 KM	NH 4A	Mormugao 37 KM	Panjim 31 KM
	Solan	HP	5-20 KM	Shimla 5-20 KM	NH 5	Kandla 1424 KM	Shimla 50 KM
7	Mumbai	Maharashtra	5-20 KM	Mumbai 5-20 KM	NH 48	Mumbai 5-20 KM	Mumbai
PHARMA	Mohali	Punjab	20 KM	Mohali 5-20 KM	NH 5	Kandla 1350 KM	Chandigarh 9 KM
	Chennai	Tamil Nadu	5-20 KM	Chennai 5-20 KM	NH 16	Chennai 5-20 KM	Chennai
	Guwahati	Assam	5-20 KM	Guwahati 5-20 KM	NH 40	Haldia 1112 KM	Dispur 8 KM
	Silvassa	Daman and Diu	139 KM	Thane 155 KM	NH848	Mumbai 189 KM	Surat 79 KM
	Medak	Telangana	135 KM	Hyderabad 96 KM	NH 65	Vizag 722 KM	Hyderabad 76 KM
	Waluj/Aurangabad	Maharashtra	19 KM	Aurangabad	NH 50	JNPT 356 KM	Aurangabad 13 KM
()_	Pune	Maharashtra	5-20 KM	Pune 5-20 KM	NH 48	JNPT 133 KM	Pune
ΥŢ	Bauripur	West Bengal	34 KM	Bauripur 5-20 KM	NH 12	Haldia 77 KM	Kolkata 32 KM
U	Irungattukotta	Tamil Nadu	34 KM	Chennai 35 KM	NH 48	Chennai 39 KM	Chennai
MEDICAL DEVICES	Rabale	Maharashtra	37 KM	Mumbai 33 KM	NH 8	JNPT 39 KM	Mumbai 22 KM
DEVICES	Verna Industrial Estate	Goa	15 KM	Margao 18 KM	NH 66	Mormugao 20 KM	Panjim 24 KM



	•	60	×			Ů	
	LOCATION	STATE	CLOSEST AIRPORT	CLOSEST TRAIN STATION	HIGHWAY (NATIONAL /STATE)	NEAREST PORT	NEAREST CITY
	Kolkata	West Bengal	5-20 KM	Kolkata 5-20 KM	NH 2	Kolkata 5-20 KM	Kolkata
65	Vapi	Gujarat	85 KM	Vapi 5-20 KM	NH 8	Kandla 653 KM	Surat 67 KM
1 /-	Ahmedabad	Gujarat	5-20 KM	Ahmedabad 5-20 KM	NE 1	Kandla 298 KM	Gandhinagar 27 KM
ΥT	Delhi	New Delhi	35 KM	NZM 33 KM	NH 24	Kandla 1105 KM	Gurugram 43 KM
\cup	Gurugram	Haryana	18 KM	NZM 35 KM	NH 48	Kandla 1107 KM	New Delhi 24 KM
MEDICAL	Noida	Uttar Pradesh	34 KM	NZM 18 KM	NH	Kandla 1123 KM	Delhi 47 KM
DEVICES	Mumbai	Maharashtra	5-20 KM	Mumbai 5-20 KM	NH 48	Mumbai 5-20 KM	Mumbai
	Mohali	Punjab	20 KM	Mohali 5-20 KM	NH 5	Kandla 1350	Chandigarh 9 KM
	Chennai	Tamil Nadu	5-20 KM	Chennai 5-20 KM	NH 16	Chennai KM	Chennai
	Genome Valley	Telangana	24 KM	Hyderabad 3 KM	NH163	Vizag 629 KM	Hyderabad 30 KM
	Hyderabad	Telangana	5-20 KM	Hyderabad 5-20 KM	NH 65	Vizag 650 KM	Hyderabad
	Waluj Aurangabad	Maharashtra	19 KM	Aurangabad	NH 50	JNPT 189 356 KM	Aurangabad 13 KM
2 PK	Pune	Maharashtra	5-20 KM	Pune 5-20 KM	NH 48	JNPT 133 KM	Pune
	Rangareddy	Telangana	88 KM	Hyderabad 80 KM	NH 65	Vizag 728 KM	Hyderabad 82 KM
XXX	Vadodara	Gujarat	5-20 KM	Vadodara 5-20 KM	NE 1	Kandla 406 KM	Vadodara
BIOTECH	Ahmedabad	Gujarat	5-20 KM	Ahmedabad 5-20 KM	NE 1	Kandla 298 KM	Gandhinagar 27 KM
BIOTECH	Bengaluru	Karnataka	5-20 KM	Bengaluru 5-20 KM	NH 75	Mangalore 351 KM	Bengaluru
	Vizag	Andhra Pradesh	5-20 KM	Vizag 5-20 KM	NH 16	Vizag 5-20 KM	Visakhapatnam
	Kochi	Kerala	28 KM	Ernakulam 5-20 KM	NH 66	Cochin 5-20 KM	Kollam 127 KM
	Delhi	New Delhi	35 KM	NZM 33 KM	NH 24	Kandla 1105 KM	Gurugram 43 KM





Life Sciences Location Intelligence: Developmental Parameters



	•		(*** *********************************	***		CO2	5
	LOCATION	GOVERNANCE	PHYSICAL DEVELOPMENT	SOCIAL DEVELOPMENT	EASE OF LIVING	AIR QUALITY	TELECOM NETWORK
	Genome Valley (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Good
	Nalgonda (TS)	Grade C	Grade A	Grade B	Grade B	Average	Voice: Excellent, Data: Excellent
	Jeedimetla (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Good
	Thane (MH)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Waluj- Aurangabad (MH)	Grade D	Grade D	Grade B	Grade D	Average	Voice: Excellent, Data: Good
	Pimpri- Chinchwad (MH)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Verna Industrial Estate (GA)	Grade E	Grade E	Grade E	Grade E	Good	Voice: Excellent, Data: Excellent
	Baddi (HP)	Grade B	Grade A	Grade A	Grade A	Good	Voice: Excellent, Data: Excellent
	Sirmaur (HP)	Grade A	Grade B	Grade B	Grade A	Good	Voice: Good, Data: Good
	Dewas (MP)	Grade A	Grade B	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Nawanshahr (PB)	Grade C	Grade B	Grade B	Grade B	Good	Voice: Excellent, Data: Excellent
HARMA	Dehradun (UK)	Grade C	Grade D	Grade C	Grade D	Average	Voice: Excellent, Data: Excellent
	Rangareddy (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Average, Data: Good
	Ankleshwar (GJ)	Grade B	Grade A	Grade B	Grade A	Average	Voice: Excellent, Data: Excellent
	Vadodara (GJ)	Grade B	Grade B	Grade C	Grade B	Average	Voice: Excellent, Data: Excellent
	Ahmedabad (GJ)	Grade A	Grade A	Grade C	Grade A	Average	Voice: Excellent, Data: Excellent
	Pithampur (MP)	Grade A	Grade B	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Indore (MP)	Grade A	Grade B	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Bengaluru (KA)	Grade B	Grade C	Grade D	Grade C	Below Average	Voice: Excellent, Data: Excellent
	Rangpo (SK)	Grade C	Grade C	Grade C	Grade C	Average	Voice: Excellent, Data: Excellent
	Visakhapatnam (AP)	Grade A	Grade A	Grade C	Grade A	Average	Voice: Good, Data: Good

Life Sciences Location Intelligence: Developmental Parameters



	•		(⊕)	**		602	5
	LOCATION	GOVERNANCE	PHYSICAL DEVELOPMENT	SOCIAL DEVELOPMENT	EASE OF LIVING	AIR QUALITY	TELECOM NETWORK
	Vapi (GJ)	Grade A	Grade A	Grade C	Grade A	Average	Voice: Excellent, Data: Excellent
	Nagpur (MH)	Grade B	Grade A	Grade C	Grade B	Average	Voice: Excellent, Data: Excellent
	Delhi (DL)	Grade D	Grade D	Grade D	Grade D	Below Average	Voice: Excellent, Data: Excellent
	Gurugram (HR)	Grade E	Grade E	Grade B	Grade E	Below Average	Voice: Excellent, Data: Excellent
	Noida (UP)	Grade D	Grade D	Grade D	Grade D	Below Average	Voice: Excellent, Data: Excellent
	Ponda (GA)	Grade E	Grade E	Grade E	Grade E	Good	Voice: Excellent, Data: Good
	Solan (HP)	Grade A	Grade B	Grade B	Grade A	Good	Voice: Excellent, Data: Excellent
7	Mumbai (MH)	Grade A	Grade A	Grade A	Grade A	Below Average	Voice: Excellent, Data: Excellent
PHARMA	Mohali (PB)	Grade B	Grade A	Grade A	Grade A	Good	Voice: Excellent, Data: Excellent
	Chennai (TM)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Guwahati (AS)	Grade C	Grade D	Grade C	Grade D	Average	Voice: Excellent, Data: Excellent
	Silvassa (DD)	Grade E	Grade E	Grade D	Grade E	Average	Voice: Excellent, Data: Excellent
	Medak (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Excellent
	Waluj/Aurangabad (MH)	Grade D	Grade D	Grade B	Grade D	Average	Voice: Excellent, Data: Good
(*)	Pune (MH)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
ΥŢ	Bauripur (UP)	Grade C	Grade C	Grade A	Grade B	Below Average	Voice: Excellent, Data: Excellent
<u> </u>	Irungattukottai (TM)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
MEDICAL DEVICES	Rabale (MH)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Good
DEVICES	Verna Industrial Estate (GA)	Grade E	Grade E	Grade E	Grade E	Good	Voice: Excellent, Data: Excellent

Life Science Location Intelligence: Developmental Parameters



	•		€	**		C02	5
	LOCATION	GOVERNANCE	PHYSICAL DEVELOPMENT	SOCIAL DEVELOPMENT	EASE OF LIVING	AIR QUALITY	TELECOM NETWORK
	Kolkata (WB)	Grade C	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
6 5	Vapi (GJ)	Grade A	Grade A	Grade C	Grade A	Average	Voice: Excellent, Data: Excellent
	Ahmedabad (GJ)	Grade A	Grade A	Grade C	Grade A	Average	Voice: Excellent, Data: Excellent
YT	Delhi (GA)	Grade D	Grade D	Grade D	Grade D	Below Average	Voice: Excellent, Data: Excellent
\cup	Gurugram (HR)	Grade E	Grade E	Grade B	Grade E	Below Average	Voice: Excellent, Data: Excellent
MEDICAL	Noida (UP)	Grade D	Grade D	Grade D	Grade D	Below Average	Voice: Excellent, Data: Excellent
DEVICES	Mumbai (MH)	Grade A	Grade A	Grade A	Grade A	Below Average	Voice: Excellent, Data: Excellent
	Mohali (PB)	Grade B	Grade A	Grade A	Grade A	Good	Voice: Excellent, Data: Excellent
	Chennai (TM)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Genome Valley (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Good
	Hyderabad (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Excellent
	Waluj Aurangabad (MH)	Grade D	Grade D	Grade D	Grade D	Average	Voice: Excellent, Data: Good
> ¥ <	Pune (MH)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Rangareddy (TS)	Grade A	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Good
XXX	Vadodara (GJ)	Grade B	Grade B	Grade B	Grade B	Average	Voice: Excellent, Data: Excellent
BIOTECH	Ahmedabad (GJ)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
DIOTECT	Bengaluru (KA)	Grade B	Grade C	Grade C	Grade C	Below Average	Voice: Excellent, Data: Excellent
	Visakhapatnam (AP)	Grade A	Grade A	Grade A	Grade A	Average	Voice: Excellent, Data: Excellent
	Kochi (KL)	Grade A	Grade C	Grade D	Grade B	Average	Voice: Excellent, Data: Good
	Delhi (DL)	Grade D	Grade D	Grade D	Grade D	Below Average	Voice: Excellent, Data: Excellent

Life Science Location Intelligence: Developmental Parameters









PHYSICAL GOVERNANCE



DEVELOPMENT







LIVING







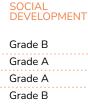
TELECOM NETWORK



Solan (HP)
Mumbai (MH)
Chennai (TM)
Medak (TS)











Voice: Excellent. Data: Excellent Voice: Excellent. Data: Excellent Voice: Excellent, Data: Excellent Voice: Excellent. Data: Excellent



AVAILABILITY OF

RAW MATERIALS*







LOCATION

Genome Valley (TS)

LIST OF MAJOR **COMPANIES**

Mylan, Ferring, GSK, Novartis



Nalgonda (TS)	Dr. Reddy's, Natco Pharma	\checkmark
Jeedimetla (TS)	Dr Reddy, Hetero Drugs	✓
Thane (MH)	Ferring, Sanmour, Vivan, Hemmo, Pfizer, Stryker, Bharat Serums & Vaccines, Bayer, Zydus	✓
Waluj- Aurangabad (MH)	Ajanta Pharma, Wockhardt, Baxter	✓
D: : CI: I I (A.41.1)		



	-	
Δ		

, ,	<i>r</i> ·	•	
Thane (MH)	Ferring, Sanmour, Vivan, Hemmo, Pfizer, Stryker, Bharat Serums & Vaccines, Bayer, Zydus	✓	
Waluj- Aurangabad (MH)	Ajanta Pharma, Wockhardt, Baxter	✓	i
Pimpri- Chinchwad (MH)	Emcure, Hindustan Antibiotics, Lupin	✓	Ċ
Verna Industrial Estate (GA)	Indoco remedies, Cipla, Nestor	✓	
Baddi (HP)	Glenmark, Morepen, Unichem, Cadila, Ranbaxy, Torrent	✓	
Sirmaur (HP)	Sun Pharmaceutical, Ranbaxy	✓	
Dewas (MP)	Sun Pharmaceutical, Ranbaxy	✓	
Nawanshahr (PB)	Sun Pharmaceutical, Ranbaxy	✓	
Dehradun (UK)	Natco Pharma, Ipca Labs	✓	
Rangareddy (TS)	Natco Pharma,	✓	
Ankleshwar (GJ)	Sun Pharmaceuticals, Zydus Cadila, Tatva Chintan	✓	
Vadodara (GJ)	Torrent, Hindustan Pharmaceuticals, Elysium, Alembic	✓	i
Ahmedabad (GJ)	Intas, Dishman Pharmaceuticals, Claris Life sciences, Baxter, Troikaa	✓	
Pithampur (MP)	Glenpark, Lupin, Torrent, Cipla, Piramal, Ajanta Pharma, Ipca Labs	✓	
Indore (MP)	Cyano Pharma, Cipla	✓	
Bengaluru (KA))	Anglo-French Drugs, AstraZeneca, Jubilant Life Science, Allergan	✓	
Rangpo (SK)	Unichem Laboratories, Zydus, Intas, Cipla, Alkem Laboratories, IPCA	✓	
Visakhapatnam (AP)	Hospira, Mylan, Eisai, Dr Reddy's, Aurobindo Pharma, Torrent pharma	√	i



	•		RM
	LOCATION	LIST OF MAJOR COMPANIES	AVAILABILITY OF RAW MATERIALS
	Vapi (GJ)	Vapi Care, Zen Pharma	✓
	Nagpur (MH)	Chemfield, Minex Injection, ZIM Laboratories, Unijules life sciences	√
	Delhi (DL)	Merck, GSK, Ranbaxy, Glenmark	✓
	Gurugram (HR)	Sun Pharma, Ranbaxy, Bayer Zydus	✓
	Noida (UP)	Alembic, Jubilant Life Sciences	✓
	Ponda (GA)	Sun Pharmaceuticals, Merck, Ranbaxy	✓
	Solan (HP)	Cipla, Cadila Healthcare, Wockhardt	✓
7	Mumbai (MH)	IPCA, Cipla, Pfizer, Alkem, Sanofi, Meril Life Sciences	✓
PHARMA	Mohali (PB)	Sun Pharmaceuticals, Ranbaxy, Panacea Biotec	✓
	Chennai (TM)	Natco Pharma	✓
	Guwahati (AS)	Piramal, Natco, Sun Pharma	✓
	Silvassa (DD)	Sun Pharma, IPCA	✓
	Medak (TS)	Dr Reddy, Aurobindo Pharma	✓
	Waluj/Aurangabad (MH)	Johnson & Johnson	✓
()_	Pune (MH)	Nasan Medical Electronics, Serum Institute of India, Johnson & Johnson, Koninklijke Philips NV	✓
ΥŤ	Bauripur (UP)	Kanji Surgical, Chatterji Surgical, Indo Webal	✓
AEDICAL	Irungattukottai (TM)	Trivitron, Phoenix Medical Systems	✓
MEDICAL DEVICES	Rabale (MH)	Xcellance Medical Technologies, Kanath Engineering	✓
	Verna Industrial Estate (GA	Vapi Care, Zen Pharma	√



	•		RM
	LOCATION	LIST OF MAJOR COMPANIES	AVAILABILITY OF RAW MATERIALS
	Kolkata (WB)	Medtronic, Koninklijke Philips NV	✓
6 9	Vapi (GJ)	Micron medical devices	✓
\	Ahmedabad (GJ)	Meditech Devices, Nova Medical Devices	√
ΥT	Delhi (GA)	Medtronic, Glenmark	√
\cup	Gurugram (HR)	Becton Dickinson, Stryker, Medtronic, Opto Circuits	✓
MEDICAL	Noida (UP)	BL Life science	✓
DEVICES	Mumbai (MH)	Johnson & Johnson, Transasia Bio-Medicals	✓
	Mohali (PB)	Adonis Medical Systems	√
	Chennai (TM)	Medtronic, Meril Life Science	✓
	Genome Valley (TS)	Bharat Biotech, Biological E	✓
	Hyderabad (TS)	Indian Immunologicals Ltd, Shantha Biotech, BioAxis DNA Research Centre, Nthrys Biotech Labs, Divis Labs	√
	Waluj Aurangabad (MH)	Nuziveedu Seeds	√
24x	Pune (MH)	Serum Institute of India	✓
	Rangareddy (TS)	Nuziveedu Seeds	√
XXX	Vadodara (GJ)	Algallio Biotech Spinco Biotech, Infinita Biotech	√
BIOTECH	Ahmedabad (GJ)	Indoco remedies, Cipla, Nestor	✓
BIOTECH	Bengaluru (KA)	Glenmark, Morepen, Unichem, Cadila, Ranbaxy, Torrent	√
	Visakhapatnam (AP)	MicGene Lab, LifeCell International, Divis Labs, Krebs Biochemicals	√
	Kochi (KL)	Ubio Biotechnology System, MedGenome Labs Cochin, LJ International (AVT Biotechnology)	✓
	Delhi (DL)	Panacea Biotec	✓







LOCATION

LIST OF MAJOR COMPANIES

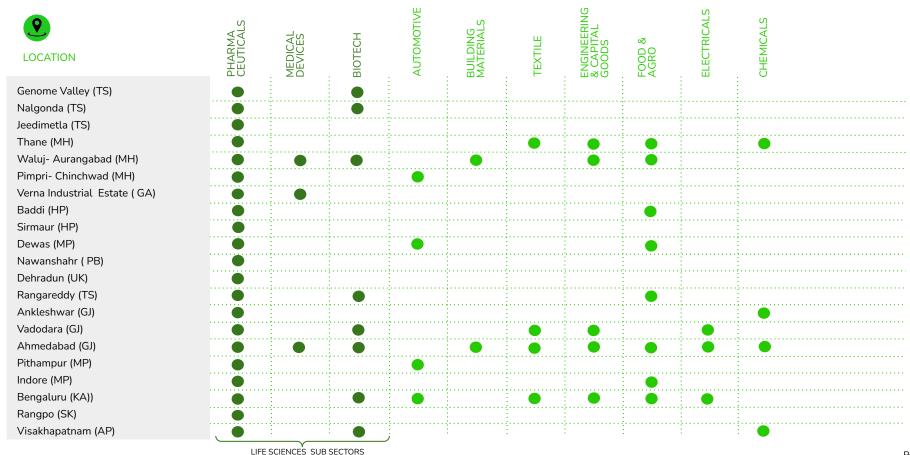
AVAILABILITY OF RAW MATERIALS*



Solan (HP)	Transasia Bio-medicals	✓
Mumbai (MH)	Transasia Bio-Medicals, Venkateshwara Hatcheries, Mahyco Monsanto Biotech	✓
Chennai (TM)	BrainWave Biotechnology, Evolva	✓
Medak (TS)	Biological E, Nuziveedu seeds	√

Life Sciences Location Intelligence: Co located Industries





Life Sciences Location Intelligence: Co located Industries





Life Sciences Location Intelligence: Some Global Companies Manufacturing in India





































Life Sciences Location Intelligence: Some Global Companies Manufacturing in India





























Key areas covered in this section of the report include:

- A. For the Life Sciences industry:
 - a. Workforce pyramid
 - b. Local language proficiency
 - c. STEM and business / management education levels in workforce
 - d. Digital proficiency in the workforce
 - e. Location satisfaction, willingness to migrate and influencing factors
- B. For various sub-sectors of the Life Sciences industry:
 - a. Workforce pyramid for each function
 - Education insights for each function and seniority level
 - c. Median salaries for each function and seniority level



Life Sciences Workforce Insights



Life Sciences manufacturing professionals: % of seniority levels



89% of manufacturing professionals in the Life Sciences industry speak the local language





70% of the manufacturing workforce in Life Sciences consists of STEM graduates

33% of the manufacturing workforce consists of Business/ Management **Graduates**



86% of manufacturing professionals in the Life Sciences industry are adept at using digital tools

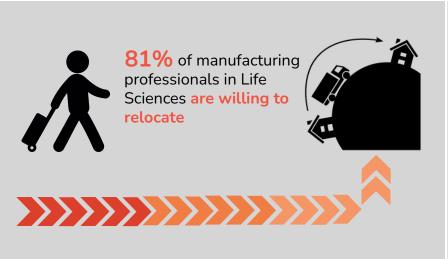
(STEM: Science, Technology, Engineering & Mathematics)

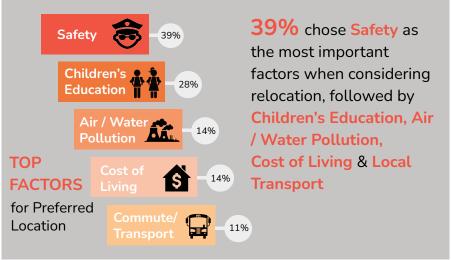
Life Sciences Workforce Insights



87% of manufacturing professionals in the Life Sciences industry are extremely or very satisfied with their current city of residence











FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
Corporate	Junior	42%	85%	₹1,020,000	\$12,750
Finance	Mid	29%	86%	₹1,740,000	\$21,750
	Senior	29%	83%	₹2,880,000	\$36,000
	Junior	41%	82%	₹937,250	\$11,716
Corporate HR	Mid	29%	86%	₹1,667,500	\$20,844
	Senior	30%	83%	₹2,817,500	\$35,219
	Junior	50%	58%	₹805,000	\$10,063
EHS	Mid	27%	71%	₹1,380,000	\$17,250
	Senior	24%	75%	₹2,415,000	\$30,188
	Junior	46%	82%	₹1,015,200	\$12,690
General Management	Mid	30%	81%	₹1,692,000	\$21,150
Management	Senior	24%	79%	₹2,932,800	\$36,660
	Junior	63%	62%	₹960,000	\$12,000
IT Support	Mid	24%	74%	₹1,620,000	\$20,250
	Senior	13%	75%	₹2,880,000	\$36,000
	Junior	45%	79%	₹672,750	\$8,409
Legal	Mid	30%	83%	₹1,725,000	\$21,563
	Senior	25%	84%	₹2,875,000	\$35,938





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
	Junior	60%	64%	₹1,020,000	\$12,750
Marketing	Mid	25%	71%	₹1,680,000	\$21,000
	Senior	15%	70%	₹2,880,000	\$36,000
	Junior	50%	56%	₹954,500	\$11,931
Operations	Mid	32%	68%	₹2,300,000	\$28,750
	Senior	18%	71%	₹4,140,000	\$51,750
	Junior	42%	79%	₹805,000	\$10,063
Plant Finance	Mid	28%	80%	₹1,495,000	\$18,688
	Senior	30%	80%	₹2,645,000	\$33,063
	Junior	47%	65%	₹920,000	\$11,500
Plant HR	Mid	28%	73%	₹1,495,000	\$18,688
	Senior	26%	77%	₹2,645,000	\$33,063
5	Junior	63%	53%	₹690,000	\$8,625
Production/ Maintenance	Mid	27%	43%	₹1,357,000	\$16,963
Maintenance	Senior	10%	80%	₹2,846,250	\$35,578
	Junior	50%	64%	₹977,500	\$12,219
Purchase/	Mid	31%	71%	₹1,610,000	\$20,125
Procurement	Senior	19%	72%	₹2,817,500	\$35,219





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
	Junior	52%	68%	₹943,000	\$11,788
Quality	Mid	31%	77%	₹1,495,000	\$18,688
	Senior	17%	57%	₹3,105,000	\$38,813
	Junior	55%	83%	₹1,035,000	\$12,938
R&D	Mid	28%	85%	₹1,840,000	\$23,000
	Senior	17%	72%	₹3,450,000	\$43,125
	Junior	58%	58%	₹861,600	\$10,770
Sales	Mid	26%	66%	₹1,680,000	\$21,000
	Senior	16%	68%	₹3,000,000	\$37,500
	Junior	46%	82%	₹1,069,200	\$13,365
Strategy	Mid	30%	81%	₹1,944,000	\$24,300
	Senior	24%	79%	₹3,369,600	\$42,120
	Junior	51%	65%	₹912,000	\$11,400
Supply Chain	Mid	28%	73%	₹1,680,000	\$21,000
& Logistics	Senior	21%	78%	₹3,000,000	\$37,500





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
Corporate	Junior	37%	75%	₹984,000	\$12,300
Finance	Mid	33%	84%	₹1,800,000	\$22,500
	Senior	30%	85%	₹3,000,000	\$37,500
	Junior	38%	72%	₹914,250	\$11,428
Corporate HR	Mid	31%	85%	₹2,415,000	\$30,188
	Senior	31%	85%	₹3,047,500	\$38,094
	Junior	53%	67%	₹977,500	\$12,219
EHS	Mid	27%	73%	₹1,380,000	\$17,250
	Senior	20%	72%	₹2,070,000	\$25,875
	Junior	45%	73%	₹1,020,000	\$12,750
General	Mid	29%	79%	₹1,740,000	\$21,750
Management	Senior	26%	78%	₹2,940,000	\$36,750
	Junior	62%	57%	₹1,020,000	\$12,750
IT Support	Mid	27%	72%	₹1,560,000	\$19,500
	Senior	11%	76%	₹2,640,000	\$33,000
	Junior	41%	71%	₹977,500	\$12,219
Legal	Mid	32%	82%	₹1,552,500	\$19,406
	Senior	27%	88%	₹2,645,000	\$33,063





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
	Junior	53%	67%	₹1,020,000	\$12,750
Marketing	Mid	26%	73%	₹1,920,000	\$24,000
	Senior	20%	73%	₹3,720,000	\$46,500
	Junior	64%	55%	₹862,500	\$10,781
Operations	Mid	23%	70%	₹1,495,000	\$18,688
	Senior	14%	73%	₹2,875,000	\$35,938
	Junior	34%	74%	₹977,500	\$12,219
Plant Finance	Mid	31%	83%	₹1,610,000	\$20,125
	Senior	35%	84%	₹2,530,000	\$31,625
	Junior	34%	41%	₹920,000	\$11,500
Plant HR	Mid	32%	70%	₹1,610,000	\$20,125
	Senior	33%	55%	₹2,990,000	\$37,375
5 1 /	Junior	70%	53%	₹1,035,000	\$12,938
Production/ Maintenance	Mid	20%	68%	₹1,437,500	\$17,969
Maintenance	Senior	10%	73%	₹2,990,000	\$37,375
	Junior	50%	64%	₹977,500	\$12,219
Purchase/	Mid	31%	74%	₹1,725,000	\$21,563
Procurement	Senior	19%	71%	₹2,760,000	\$34,500





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
	Junior	70%	57%	₹977,500	\$12,219
Quality	Mid	21%	72%	₹1,552,500	\$19,406
	Senior	10%	75%	₹3,047,500	\$38,094
	Junior	58%	82%	₹920,000	\$11,500
R & D	Mid	26%	85%	₹1,552,500	\$19,406
	Senior	15%	84%	₹3,335,000	\$41,688
	Junior	56%	58%	₹1,020,000	\$12,750
Sales	Mid	28%	68%	₹1,620,000	\$20,250
	Senior	17%	71%	₹2,880,000	\$36,000
	Junior	43%	57%	₹1,020,000	\$12,750
Strategy	Mid	34%	79%	₹1,800,000	\$22,500
	Senior	23%	79%	₹3,000,000	\$37,500
	Junior	48%	62%	₹978,000	\$12,225
Supply Chain	Mid	31%	69%	₹1,500,000	\$18,750
& Logistics	Senior	22%	76%	₹2,760,000	\$34,500





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
Corporate	Junior	45%	81%	₹882,000	\$11,025
Finance	Mid	32%	80%	₹2,160,000	\$27,000
	Senior	23%	84%	₹3,540,000	\$44,250
	Junior	46%	80%	₹943,000	\$11,788
Corporate HR	Mid	32%	82%	₹2,127,500	\$26,594
	Senior	23%	84%	₹3,220,000	\$40,250
	Junior	49%	57%	₹805,000	\$10,063
EHS	Mid	28%	64%	₹1,667,500	\$20,844
	Senior	22%	69%	₹3,047,500	\$38,094
	Junior	39%	77%	₹984,000	\$12,300
General Management	Mid	32%	81%	₹2,580,000	\$32,250
Management	Senior	29%	77%	₹3,900,000	\$48,750
	Junior	64%	54%	₹840,000	\$10,500
IT Support	Mid	24%	67%	₹1,800,000	\$22,500
	Senior	12%	71%	₹3,600,000	\$45,000
	Junior	51%	75%	₹977,500	\$12,219
Legal	Mid	29%	79%	₹2,070,000	\$25,875
	Senior	20%	79%	₹3,622,500	\$45,281





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
	Junior	62%	55%	₹900,000	\$11,250
Marketing	Mid	25%	64%	₹1,680,000	\$21,000
	Senior	14%	69%	₹3,180,000	\$39,750
	Junior	55%	63%	₹937,250	\$11,716
Operations	Mid	28%	71%	₹1,955,000	\$24,438
	Senior	17%	71%	₹3,565,000	\$44,563
	Junior	46%	75%	₹845,250	\$10,566
Plant Finance	Mid	31%	79%	₹1,955,000	\$24,438
	Senior	24%	77%	₹3,277,500	\$40,969
	Junior	49%	67%	₹747,500	\$9,344
Plant HR	Mid	29%	78%	₹1,725,000	\$21,563
	Senior	21%	75%	₹3,105,000	\$38,813
	Junior	64%	54%	₹1,035,000	\$12,938
Production/ Maintenance	Mid	24%	68%	₹1,725,000	\$21,563
Maintenance	Senior	12%	67%	₹3,277,500	\$40,969
	Junior	53%	62%	₹862,500	\$10,781
Purchase/	Mid	29%	68%	₹1,725,000	\$21,563
Procurement	Senior	18%	69%	₹3,335,000	\$41,688





FUNCTION	LEVEL	WORKFORCE PYRAMID	* POST GRADUATE +	SALARY (Median in INR)	SALARY (Median in USD)
	Junior	62%	64%	₹971,750	\$12,147
Quality	Mid	25%	72%	₹1,897,500	\$23,719
	Senior	13%	70%	₹3,220,000	\$40,250
	Junior	54%	78%	₹1,092,500	\$13,656
R & D	Mid	28%	84%	₹2,070,000	\$25,875
	Senior	18%	80%	₹3,335,000	\$41,688
	Junior	58%	58%	₹900,000	\$11,250
Sales	Mid	27%	64%	₹1,860,000	\$23,250
	Senior	15%	69%	₹3,300,000	\$41,250
	Junior	44%	73%	₹1,069,200	\$13,365
Strategy	Mid	32%	76%	₹2,160,000	\$27,000
	Senior	24%	76%	₹3,600,000	\$45,000
	Junior	50%	61%	₹984,000	\$12,300
Supply Chain	Mid	30%	73%	₹2,040,000	\$25,500
& Logistics	Senior	20%	74%	₹3,360,000	\$42,000



Key areas covered in this section of the report include:

- a. Availability of white-collar workforce in the Life Sciences industry
- b. Availability of skills and competencies amongst the workforce:
 - . Technical
 - ii. Digital
 - iii. Behavioral
 - iv. Interpersonal
 - v. Leadership
- c. Average salary increments
- d. Companies exporting produce
- e. Share of On-roll and Off-roll employees
- f. Insights into outsourcing blue-collar workforce
- g. Training and development costs
- h. Employee ratings of work environment, location parameters and factors influencing job change



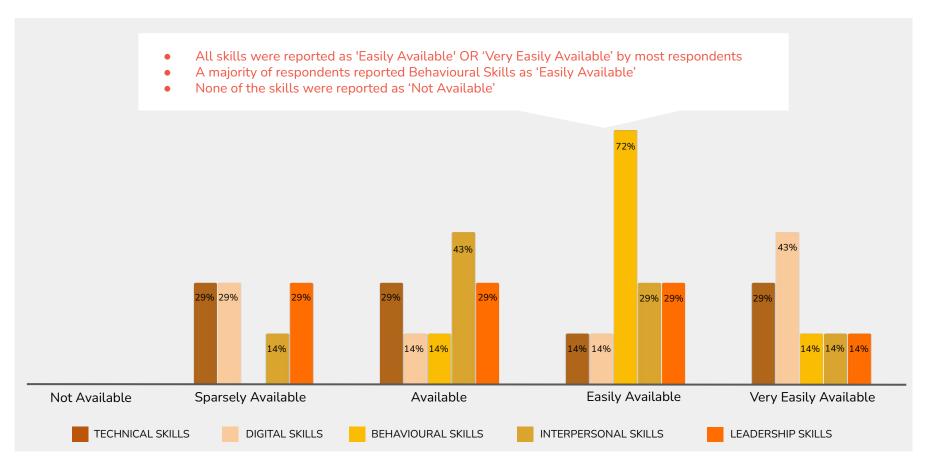
Industry Insights: Availability of White Collar Workforce





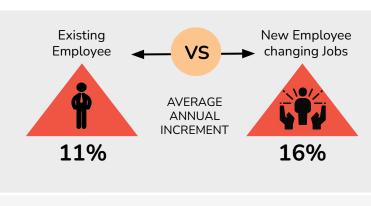
Industry Insights: Availability of Skills & Competencies



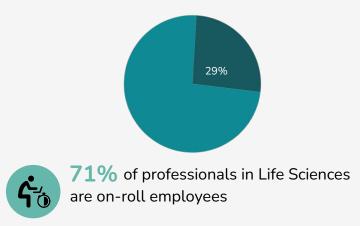


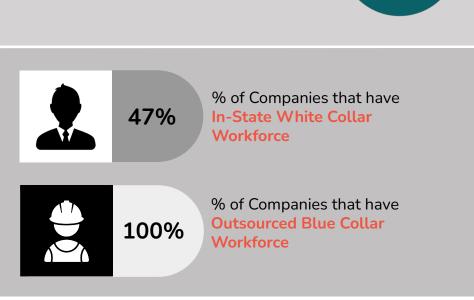
Industry Insights: Workforce Intelligence











Industry Insights: Workforce Intelligence





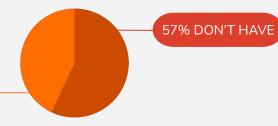
86% of players in Life Sciences don't face any issue in outsourcing blue collar workforce



The remaining 12% face 'performance' as an issue in outsourcing blue collar workforce



43% HAVE



43% of plants in Life Sciences have a worker's union



On an average, 10% of the manpower cost is dedicated to training

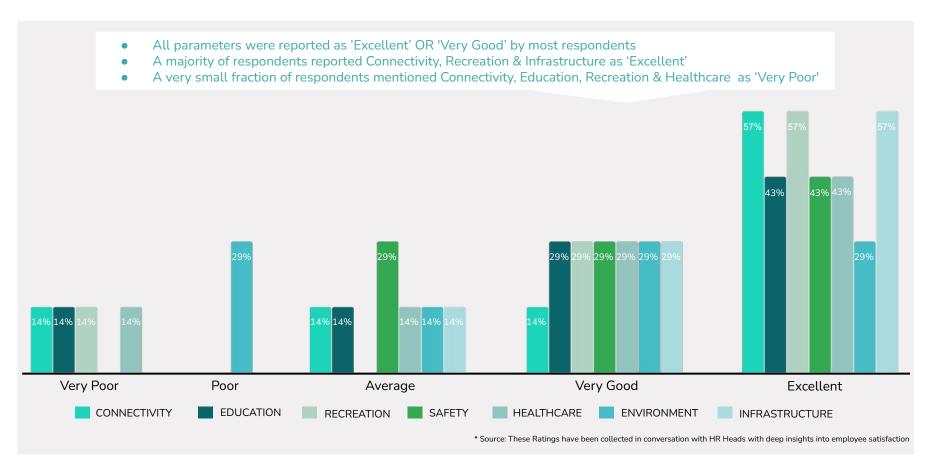


Employees' rating of the work environment in the Life Sciences industry



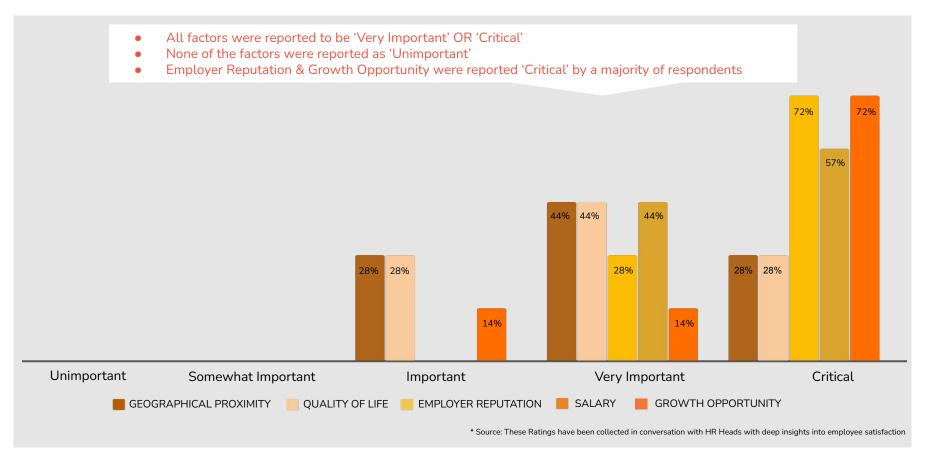
Industry Insights: Ratings on Location Specific Parameters





Industry Insights: Ratings on Employee Centric Parameters









Catenon is a global executive search and talent consulting & intelligence firm. We have more than a decade of experience in India serving more than 200 clients across industry sectors and delivering more than 3,000 searches.

We have presence across Bengaluru, Gurugram, Mumbai and Pune, with a best-in-class team of over 70 consultants. Our global reach and expertise has helped our clients to hire key talent in over 100 countries globally. We leverage our innovative technology platform to deliver fully analyzed reports including video interviews of candidate, to enable faster and more informed decision making, even with globally dispersed hiring.

We lead the way as the partner of choice in the digital transformation journey of the recruitment organization for enterprises across the planet. Through our assessment solutions and competency framework, we examine future readiness for both jobs and people.

Catenon's talent intelligence provides unparalleled data driven insight into industry, function and levels. At Catenon, we love to solve problems!

Our mission- "We want to be the finest talent search and consulting firm in India; both for our clients and our employees. Our work must stand for excellence and must become the benchmark for the industry. We want to make a positive impact on each human life we touch, and become the best version of ourselves!"

Talent Acquisition

Executive Search

• Project Recruitment

Interim Management

- International Recruitment
- Recruitment Process Outsourcing

Talent Consulting & Intelligence

Assessments

Talent Mapping

Succession planning

Salary Benchmarking

Industry intelligence

Market Entry Assistance

- Incorporation of company
- Turnkey project to set up office

- Industry intelligence
- Salary Benchmarking

INDUSTRIES WE SERVE

- Agribusiness
- Consumer
- **Education & Social Impact**
- **Financial**
- Industrial
- Life Sciences
- Private Equity & Venture Capital
- Services
- Technology & Communications

Years of Experience

Active Clients

Searches

Consultants





Appendix |



State names and abbreviations

Andhra Pradesh	AP	Orissa	OR
Arunachal Pradesh	AR	Punjab	PB
Assam	AS	Rajasthan	RJ
Bihar	BR	Sikkim	SK
Chhattisgarh	CG	Tamil Nadu	TN
Goa	GA	Telangana	TS
Gujarat	GJ	Tripura	TR
Haryana	HR	Uttarakhand	UK
Himachal Pradesh	HP	Uttar Pradesh	UP
J & K	JK	West Bengal	WB
Jharkhand	JH	Andaman and Nicobar Islands	AN
Karnataka	KA	Chandigarh	СН
Kerala	KL	Dadra and Nagar Haveli	DH
Madhya Pradesh	MP	Daman & Diu	DD
Maharashtra	MH	Delhi	DL
Manipur	MN	Ladakh	LA
Meghalaya	ML	Lakshadweep	LD
Mizoram	MZ	Pondicherry	PY
Nagaland	NL		

Conversion Rate

\$1 = 80 INR



Bibliography



- About National Automotive Testing and R&D Infrastructure Project: Source
- Automotive Industry in India: <u>Source</u>
- Automotive Research Association of India: <u>Source</u>
- Automotive Suppliers in India: <u>Source</u>
- Aluminium Industry in India: <u>Source</u>
- Ease of doing business ranking of states of India: <u>Source</u>
- Economic Survey by Department of Economic Affairs (Ministry of Finance, 2018)
- Foreign Direct Investment Policy (2017), Department for Promotion of Industry and Internal Trade
- Global Competitiveness Report (2018), WEF
- Income Tax Act (1961), Income Tax Department: Source
- India Brand Equity Foundation: <u>Source</u>
- Images: Source
- Invest in India: <u>Source</u>
- Gender Vulnerability Index: <u>Source</u>
- Make in Pune: <u>Source</u>
- Manufacturing Companies in Mumbai: <u>Source</u>
- Ministry of Commerce & Industry, Department of Commerce: Source
- Ministry of Statistics & Programme Implementation (2019): Source
- National Capital Region Directory: <u>Source</u>
- PIB on Corporate Tax Rates Taxation Laws (Amendment) Ordinance (2019)
- PIB, Ministry of Road Transport & Highways (2017)
- Project Imports Regulations and Scheme (1986), Central Board of Indirect Taxes & Custom: Source
- Safe Cities Index 2019: Source
- Statistical Summary by Indian Railways (2018)
- Subnational Human Development Index: Source
- Union Budget 2020-21: Source



THANK YOU

CONTACT US

+91-9850905751

india@catenon.com

We look forward to working with you





www.catenon.in

BANGALORE GURGAON HYDERABAD KOLKATA MUMBAI PUNE SINGAPORE

BELGIUM BRAZIL CHILE CHINA COLOMBIA DENMARK FRANCE GERMANY ITALY MEXICO MOROCCO NETHERLANDS POLAND PORTUGAL RUSSIA SAUDI ARABIA SPAIN TURKEY UK