



Office of the Principal Scientific Advisor
to the Government of India

Note on

FDI into R&D

Current Status and Way Forward





Key Facts

Global Data (2019)

- FDI inflow: \$1426 billion
- India a favoured destination for FDI

India Data (2018-19)

- FDI contribution to GDP: 1.8%
- FDI inflow: \$62 billion
- Share of R&D in FDI Equity Inflow: 0.2%

Source: Compiled from data of World Bank, UNCTAD & DPIIT

Context

- Globalization was the defining theme of the global economy in the last two decades. It was accompanied by increasing internationalization of business research and development (R&D). Until recently, the technological capabilities of firms were far less globalized than activities such as marketing and production, but firms now increasingly offshore R&D activities to other countries. Large multinational enterprises (MNEs) are the main drivers in this process.
- Internationalization of R&D is now taking place at a much faster pace. It is spreading more widely, including to developing countries, and involves more than adapting technology to local conditions. It is linked to changing motivations for outward investment in R&D.



- Traditional cross-border R&D largely involved adapting products and services to the needs of host countries and to local conditions close to “lead users”. R&D activities were also undertaken abroad in order to support MNEs’ local manufacturing operations. Today, MNEs seek not only to exploit knowledge generated at home in other countries, but also to source technology internationally and tap into worldwide centers of knowledge.
- Intensified global competition has forced companies to innovate and develop commercially viable products and services faster. The knowledge to do so has become more multidisciplinary and more broadly located, making innovation more expensive and riskier. Innovation strategies therefore increasingly depend on global sourcing to sense new market and technology trends worldwide. This has become a major reason for locating R&D outside the home country. MNEs’ geographic dispersion is also increasingly viewed as a basis of knowledge creation.
- The Economic Advisory Council to the Prime Minister took cognizance of this fact and in collaboration with Office of Principal Scientific Adviser to the Government of India prepared a report on R&D Expenditure Ecosystem. This report inter-alia recommended doubling of FDI into R&D by 2022 from the current level. It was against this background that O/o PSA organized a roundtable of FDI into R&D on 26th August 2020 on the theme of ESDM, Telecomm and IT sector.
- At the end of this roundtable it was inter-alia decided by PSA that a document highlighting the issues may be prepared to chart a new course on FDI into R&D with a clear focus to double its inflow and make it more productive. The following note makes an attempt to discuss the subject. First the prevalent definitions of FDI are worth discussion. In this regard the definitions of FDI as per UNCTAD, OECD, IMF and the Government of India are discussed below.



FDI – Definition

UNCTAD

- As per UNCTAD, Foreign Direct Investment (FDI) is defined as an investment involving a long-term relationship and reflecting a lasting interest and control by a resident entity in one economy (foreign direct investor or parent enterprise) in an enterprise resident in an economy other than that of the foreign direct investor (FDI enterprise or affiliate enterprise or foreign affiliate).
- FDI implies that the investor exerts a significant degree of influence on the management of the enterprise resident in the other economy. Such investment involves both the initial transaction between the two entities and all subsequent transactions between them and among foreign affiliates, both incorporated and unincorporated. FDI may be undertaken by individuals as well as business entities.
- Flows of FDI comprise capital provided (either directly or through other related enterprises) by a foreign direct investor to an enterprise, or capital received from an investing enterprise by a foreign direct investor. FDI has three components: equity capital, reinvested earnings and intra-company loans.
 - Equity capital is the foreign direct investor's purchase of shares of an enterprise in a country other than its own.
 - Reinvested earnings comprise the direct investor's share (in proportion to direct equity participation) of earnings not distributed as dividends by affiliates, or earnings not remitted to the direct investor. Such retained profits by affiliates are reinvested.
 - Intra-company loans or intra-company debt transactions refer to short- or long-term borrowing and lending of funds between direct investors (parent enterprises) and affiliate enterprises.



IMF and OECD

- According to the IMF and OECD definitions, direct investment reflects the aim of obtaining a lasting interest by a resident entity of one economy (direct investor) in an enterprise that is resident in another economy (the direct investment enterprise). The “lasting interest” implies the existence of a long-term relationship between the direct investor and the direct investment enterprise and a significant degree of influence on the management of the latter. Direct investment involves both the initial transaction establishing the relationship between the investor and the enterprise and all subsequent capital transactions between them and among affiliated enterprises, both incorporated and unincorporated. The fifth Edition of the IMF’s Balance of Payment Manual defines the owner of 10% or more of a company’s capital as a direct investor.

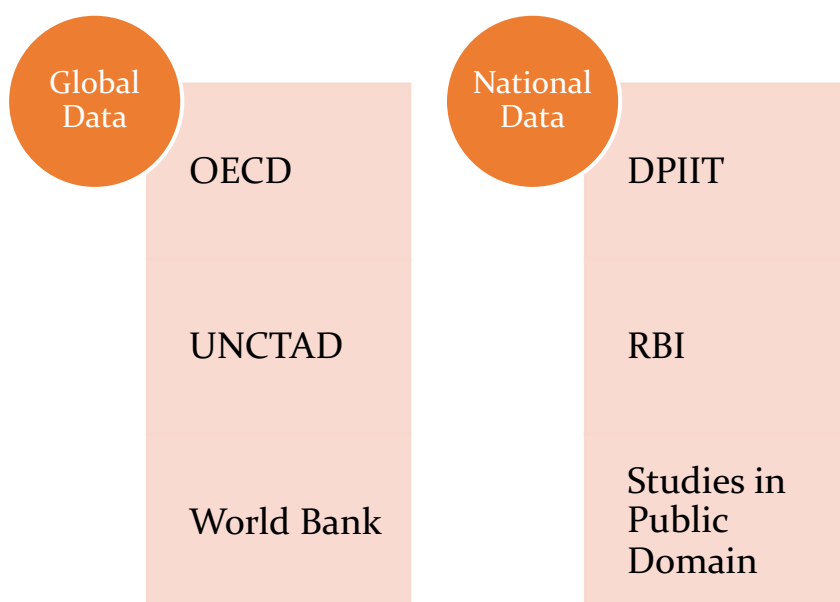
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- As per India’s FDI policy, FDI’ means investment by non-resident entity/person resident outside India in the capital of an Indian company under Schedule 1 of Foreign Exchange Management (Transfer or Issue of Security by a Person Resident Outside India) Regulations, 2000.
- The underling economic concept of FDI which is common in all these definitions is as follows:
 - FDI is cross border capital flow
 - It is long term capital investment and not volatile in nature
 - The primary motive of this investment is profit, but by and large it leads to technological advancement, economic growth, exports and employment generation for the host country



Data Sources for FDI

- There are multiple data sources on Global FDI. They are OECD, UNCTAD and World Bank. These organizations publish data on FDI inflow and outflow. They are in public domain. But FDI into R&D is not in public domain except with respect to OECD, which indicated OECD country wise FDI into various industry sub-sectors including R&D.
- In our note we have used the data as available from these sources. As regards India's FDI inflow and outflow data there are two official sources. They are DPIIT and RBI. As per the extant guidelines, we have used DPIIT's data on FDI inflow. It is pertinent to mention here that FDI into R&D is not available in public domain but was made available by DPIIT for this note.

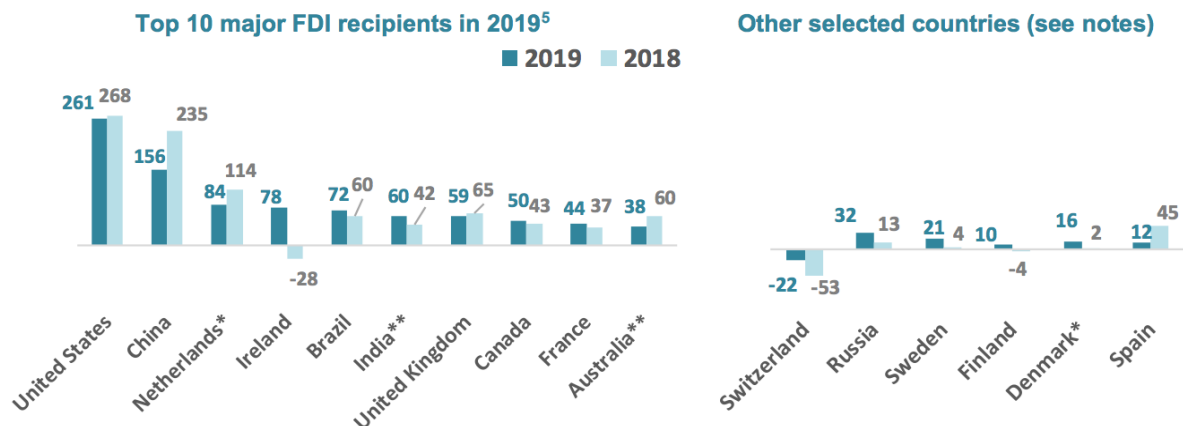




Global FDI inflow and FDI into R&D

- In 2019, global FDI flows increased by 12% compared to 2018, to USD 1426 billion. However, the flows in 2019 remained at very low levels, representing only 1.6% of GDP compared to more than 2% from 2015 to 2017.
- The United States and China remain the major FDI recipients worldwide, followed by Ireland, the Netherlands (excluding resident SPEs), Brazil, India and the United Kingdom.

FDI inflows of selected countries, 2018-2019 (USD billion)



Notes: 'Other selected countries' recorded increases or decreases of more than USD 10 billion in their FDI inflows between 2018 and 2019. * Data exclude resident SPEs. ** Asset/liability basis (2019 only for Australia).

Source: OECD International Direct Investment Statistics database.



- As regards, FDI into R&D data, the same was accessed from UNCTAD. UNCTAD has shared the list of countries that have reported FDI into R&D data. The list of countries is given in Annexure - 1. As per this list, India is the second favored destination after Israel for R&D investment in 2018. The limitation of this data is however that all countries do not regularly report FDI into R&D data. This is a matter of concern and may be taken up by IMF through RBI.
- Furthermore, during 2014-19, India ranked second as the favored destination for announced Greenfield FDI projects in R&D. The data is as below:

Top five destination of announced greenfield FDI projects in R&D, accumulative 2014-2019 (Millions of dollars)	
China	24434
India	23176
United States	20648
Canada	18737
Singapore	10087

Growth Profile of FDI into R&D- India

- The driving force of India's globalization in the last two decades can be attributed to FDI. In 2008, the share of FDI in GDP was 3.6%. It has however declined to 1.8% in 2019. This is low in comparison to other countries, like Brazil (4.3%), Israel (4.6%), Russia (1.9%).



- The share of R&D in FDI is indicated in the table following table:

Total FDI Equity Inflow and R&D Share

Year	Total FDI equity inflow (\$ million)	FDI into R&D (equity inflow) (\$ million)	Share of R&D in Total FDI (equity)
2015-16	40,001	234.56	0.6%
2016-17	43,478	83.87	0.2%
2017-18	44,857	107.0	0.2%
2018-19	44,366	109.89	0.2%
2019-20	49,977	67.41	0.1%

- FDI into R&D had reached a peak in 2015-16 and has been declining thereafter. This is a matter of concern and there is a compelling case to enhance R&D FDI and improve its overall share.

Key Characteristics of FDI into R&D

- Globally FDI is a driver of exports, but in R&D, there is an apparent disconnect between FDI equity inflow and exports. This needs to be studied in detail through an online survey of the firms who are receiving FDI inflow (vide Annexure 2) and firms that are undertaking R&D exports (Annexure 3).

FDI into R&D and R&D Exports

Year	FDI into R&D Equity Inflow (\$ Million)	R&D Exports (\$ Billion)
2015-16	234.56	1.3
2016-17	83.87	2.0
2017-18	107.0	3.0
2018-19	109.89	4.4
2019-20	67.41	5.0



- The above table indicates that FDI into R&D has declined from 2015-16 considerably. This has no impact on R&D export as R&D Exports have consistently grown over the last 5-year period. This implies that the R&D units receiving FDI are not undertaking exports as their primary business.
- Secondly, the major sectors which attract maximum FDI into R&D in India are: ICT, Natural Sciences and Engineering, Pharmaceuticals and chemical research.
- Thirdly, location-wise FDI in R&D is scattered in a few states and the states that dominant are: Karnataka, Maharashtra, Gujarat, Tamil Nadu and NCR Delhi. The list of 298 operating units is given in Annexure-2.
- Fourthly, studies have indicated that only 11% of the operating FDI receiving R&D units are registered with DSIR and recognized by Government of India as R&D units. About 89% of the existing FDI receiving R&D units are not registered with DSIR. This needs to be rechecked and reviewed by DSIR in consultation with O/o PSA.

Issues and Challenges

- The first roundtable on FDI into R&D brought out various issues. They are listed below:

Policy:

- The review of FDI policy issued by DPIIT indicates that there are enabling provisions relating to R&D in the FDI policy. They relate to the policy on Industrial Parks, Brown Field Pharmaceuticals, Telecom Services and Make in India Scheme. All these reflect that the overall FDI policy is liberalized and designed to attract foreign investment.



- However, the extant guidelines of consolidated FDI policy of DPIIT do not have any direct or explicit reference to FDI into R&D. The reference to R&D is only there in the FAQ of Investor Guide, which lays down that FDI into R&D is permissible in the automatic route. Moreover, the FDI policy of Department of Telecom, which is in public domain does not has any specific reference to R&D. Similar is the case with MeitY.
- The global best practices to attract FDI into any particular sector is to have a targeted policy for the sector. Ministry of Defense has recently notified a similar policy.

Ease of Doing R&D Business:

- The Ease of Doing R&D Business for a foreign investor continues to be an issue notwithstanding India's progress in Ease of Doing Business. This is particularly so with respect to Trading Across Borders and Taxation Issues.

Disconnect with the Innovation Ecosystem:

- There is a disconnect between FDI into R&D and the National Innovation Ecosystem. This is so because that FDI receiving units are operating as Global R&D Network and not contributing to the innovation ecosystem.

Patents:

- Studies indicate that R&D firms operating in India are intensively generating R&D output, however most of it is being patented abroad by their parent firms/affiliate firms.
- ICT is the largest sector in terms of R&D into FDI inflows; its very low share in the patents granted in India need not come as a surprise. The Patents Act of India does not permit patenting of innovations in software per se unless they are combined with hardware.



Data:

- Official data on FDI into R&D is not disseminated by DPIIT as a separate category. It is mentioned only as an item under the services sector of FDI Statistics. The State Governments also do not release official data on the FDI receiving R&D units in their respective states.

Global Best Practices

- The attraction of R&D-intensive FDI can be conceptualized as a horizontal policy, which stands in the intersection between innovation policy and inward investment promotion. On the one hand, the role of innovation policy is to improve the investment climate for R&D by identifying and acting upon the strengths and weaknesses of the national innovation system.
- On the other hand, the role of inward investment promotion is to improve the image of the country as an R&D location and to provide targeted services to both potential and existing foreign investors in R&D. Within each of those policy areas, the following table identifies a set of key policy instruments.

Policy area	Key policies
Innovation policy	<ul style="list-style-type: none"> • Fiscal and financial incentives to corporate R&D • Human capital development and attraction of foreign talent • Enhance the research infrastructure and promote collaboration and linkages • Improve the intellectual property rights regime
Inward investment promotion	<ul style="list-style-type: none"> • Target R&D-intensive FDI and build the image of the country as an R&D location • Provide R&D-specific pre-investment and implementation services • Emphasize after-care services • Policy advocacy



- Many countries try to position themselves in the minds of investors as locations for R&D, and are investing strongly in image-building for this purpose. Inward investment agencies often try to ensure that existing and new R&D-intensive FDI projects are properly announced through different channels including advertisements in targeted publications, newsletters and the news section of the their websites. Targeting is not only about sectors or industries but also about technology platforms and key disciplines. Examples of a few slogans used by inward investment agencies are mentioned in the table below:

Country or region	Slogans used by inward investment agencies
Germany	Land of ideas
Italy	Log on to Italy
United Kingdom	Want to be part of the UK cutting-edge technological revolution?
Ireland	Knowledge is in our nature
Sweden	New ways of thinking
Denmark	Creative Denmark
Spain	Technology for life
Catalonia (Spain)	Look at innovation. Look at Catalonia
Lower-Austria	Enjoy high performance in the high-tech business
Wallonia (Belgium)	The pursuit of technological excellence
Portugal	Technology from the heart
Czech Republic	The Skills Hub of Central Europe



- Keeping the Global best practices and the issues highlighted in the forgoing sections, it is essential that certain measures are taken to scale up FDI into R&D to attain the target of USD 500 million by 2022. Proposals are listed below:

FDI into R&D for Aatmanirbhar Bharat

Category	Recommendation		Implementing Agency
Policy	R 1	The consolidated FDI policy maybe suitably amended through a Press Note indicating the policy stance of the Government on FDI into R&D for all sectors.	DPIIT
	R 2	Sectoral policies relating to Communication Policy, Electronic Policy and Software product policy may include specific reference to R&D and innovation.	
	R 3	The State Governments in their respective Industrial Policies and other sectoral policies may consider reflecting the provisions relating to FDI into R&D including the incentives available to R&D units in their respective states.	State Governments
Data	R 4	The FDI statistics clearly mention R&D as a sub-sector in the services sector. The statistics may clearly indicate R&D as a separate category.	DPIIT and State Governments
	R 5	R&D Exports data is maintained by RBI, so also FDI data. RBI may consider to make available R&D Exports data which are FDI cases.	RBI
Exports and Exim Policy	R 6	India has undertaken various foreign trade agreements (FTAs) with many ASEAN countries. One of the conditions of this agreement leads to investment promotion; a separate clause maybe included for FDI into R&D.	Department of Commerce
	R 7	An online survey of the R&D export units and FDI into R&D firms maybe conducted to ascertain the precise number of firms exporting and who are not and their current status.	O/o PSA
MoUs on Science and Technology	R 8	Many departments of Government of India enter into MoUs with other countries on science and technology. No MoU makes a case for promoting FDI into R&D, each MoU should have a clause relating to FDI into R&D.	MEA and Respective Departments in Government of India
Promotion and Outreach	R 9	Indian Missions abroad have science attaches, they maybe entrusted with the task of promoting India has a destination for FDI into R&D.	Invest India
	R 10	Brand Building for FDI into R&D.	
R&D and Innovation Ecosystem	R 11	In order to integrate Foreign Investment into the R&D and Innovation Ecosystem, suitable enabling provisions may be made in the IPR Law.	DPIIT
	R 12	In order to boost the National R&D and Innovation Ecosystem, sectoral roundtable/workshops in key sectors with participation of key stakeholders may be held.	O/o PSA and Scientific Departments, GoI
	R 13	Review and upgrade the Existing Infrastructure of the National R&D Labs to connect with the start-up and deeptech ecosystem.	O/o PSA, Scientific Departments, GoI, Invest India



ANNEXURES

Annexure - 1: List of Countries with FDI inflow into R&D

FDI inflows in R&D, 2014-2019 (Millions of dollars)						
	2014	2015	2016	2017	2018	2019
Argentina	15.0	1.0	- 13.0	-	-	-
Armenia	0.2	- 0.3	- 0.0	0.0	-	-
Austria	134.2	-	-	-	-	-
Belgium	2 189.4	- 38.8	1 802.0	-	-	-
Bosnia and Herzegovina	-	-	- 11.5	4.5	6.8	-
Brazil	31.5	52.4	61.3	- 24.2	65.7	62.4
Bulgaria	17.7	54.9	0.0	-	-	-
Croatia	- 13.9	- 4.7	- 2.6	- 2.0	18.6	5.2
Czech Republic	23.5	38.6	11.6	-	-	-
Denmark	-	0.0	69.1	66.8	- 4.8	-
Estonia	3.7	- 0.7	- 0.2	-	-	-
Finland	53.4	- 68.8	85.2	-	-	-
France	- 42.5	914.2	215.8	556.9	55.5	748.9
Germany	- 6.6	237.4	277.8	5.6	-	-
Greece	4.7	1.1	1.1	- 4.4	3.8	1.2
Hungary	11.5	- 15.7	7.0	78.3	- 35.3	-
Iceland	27.5	9.4	7.7	-	-	-
India	131.0	394.0	205.0	347.0	736.0	-
Ireland	-	-	-	-	-	-
Israel	1 404.0	1 148.0	1 487.0	1 770.2	1 873.0	-
Italy	141.1	48.2	- 89.8	9.2	- 252.1	-
Kazakhstan	41.2	- 0.0	- 3.4	1.0	- 2.9	- 1.9
Latvia	-	1.1	-	-	-	-
Lithuania	-	1.1	0.0	-	-	-
Luxembourg	- 789.1	- 13.3	-	-	-	-
Macedonia, TFYR	0.0	-	0.0	0.6	0.3	0.1
Malta	-	-	0.0	-	-	-
Morocco	-	-	- 1.0	2.4	0.4	-
Netherlands	- 140.3	- 27.7	- 58.7	- 71.2	89.8	-
Poland	11.2	12.6	11.0	7.9	54.5	-
Portugal	-	-	-	-	-	-
Romania	- 8.0	6.0	- 3.2	-	-	-
Serbia	0.9	2.6	3.2	6.3	5.5	0.0
Slovakia	- 0.4	0.0	0.2	1.2	-	-
Slovenia	- 1.2	- 0.3	11.2	-	-	-
Spain	0.0	0.0	- 245.7	0.0	-	-
Sweden	810.6	273.8	0.0	-	-	-
United Kingdom	471.4	3 029.6	0.0	-	-	-
United States	764.0	182.0	417.0	5 086.0	599.0	-



Annexure - 2: Operating Units in India

FDI in R&D Activities (Sept. 2004 to Mar 2016)

S. No.	Name of Company Receiving FDI
1	A G RESEARCH PRIVATE LIMITED
2	A J ORGANICA PRIVATE LIMITED
3	ACCUTEST RESEARCH LAB INDIA PRIVATE LIMITED
4	ACHIRA LABS PRIVATE LIMITED
5	ACM GLOBAL CENTRAL LABORATORY PRIVATE LIMITED
6	ACTAVIS PHARMA DEVELOPMENT CENTRE PRIVATE LIMITED
7	ACTCLION PHARMACEUTICALS INDIA PRIVATE LIMITED
8	ACTIFIO TECHNOLOGIES INDIA PRIVATE LIMITED
9	ADVENTUS LABORATORIES INDIA PRIVATE LIMITED
10	AGTEC INNOVATIONS PRIVATE LIMITED
11	AG-VET GENETICS PRIVATE LIMITED
12	AIZANT DRUG RESEARCH SOLUTIONS PRIVATE LIMITED
13	ALBANY MOLECULAR RESEARCH HYDERABAD RESEARCH CENTRE PRIVATE LIMITED
14	ALE INDIA PRIVATE LIMITED
15	ALLERGAN PHARMACEUTICAL DEVELOPMENT CENTRE INDIA PRIVATE LIMITED
16	ALLIED RESEARCH INTL INDIA PRIVATE LIMITED
17	ALPHA TECH ENERGY SOLUTIONS INDIA PRIVATE LIMITED
18	ALPHAMED FORMULATIONS PRIVATE LIMITED
19	ALTANA PHARMA PRIVATE LIMITED
20	AMNEAL PHARMACEUTICALS PRIVATE LIMITED
21	AMRITA THERAPEUTICS LIMITED
22	ANGIOMETRIX MEDEQUIPS INDIA PRIVATE LIMITED
23	ANORA SEMICONDUCTOR LABS PRIVATE LIMITED
24	APOTEX RESEARCH PRIVATE LIMITED
25	APPCURE LABS PRIVATE LIMITED
26	ARIANNE CLINICAL RESEARCH INDIA PRIVATE LIMITED
27	ARISAIG PARTNERS INDIA PRIVATE LIMITED
28	ASHMOR TEK PRIVATE LIMITED
29	ASHUTOSH MECARE PRIVATE LIMITED
30	ASIACARE RESEARCH AND ANALYTICS PRIVATE LIMITED
31	ATMEL R&D INDIA PRIVATE LIMITED
32	ATOTECH DEVELOPMENT CENTRE PRIVATE LIMITED
33	AUGMENTIX INDIA PRIVATE LIMITED
34	AVESTHAGEN LIMITED
35	AZATRIUS PHARMA PRIVATE LIMITED
36	BASF CHEMICALS INDIA PVT. LTD.
37	BATTELLE SCIENCE & TECHNOLOGY INDIA PRIVATE LIMITED
38	BECKER TECHNOLOGIES PRIVATE LIMITED
39	BIJAM BIOSCIENCES PVT. LTD.



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41	BIOGENOMICS LIMITED
42	BIOLOGIC SCIENCE INSTRUMENTS PRIVATE LIMITED
43	BIONOVA TECH PRIVATE LIMITED
44	BIOSERVE BIOTECHNOLOGIES INDIA PRIVATE LIMITED
45	BIOVEL LIFE SCIENCES PRIVATE LIMITED
46	BLOOM ENERGY (INDIA) PRIVATE LIMITED
47	BOSTON SCIENTIFIC TECHNOLOGY & ENGINEERING SERVICES PVT. LTD.
48	BRAHMOS AEROSPACE PRIVATE LIMITED
49	BROCADE COMMUNICATIONS RESEARCH PRIVATE LIMITED
50	BRUN HEALTH PRIVATE LIMITED
51	CADENCE AMS DESIGN INDIA PRIVATE LIMITED
52	CANCYTE TECHNOLOGIES PRIVATE LIMITED
53	CARBON CLEAN SOLUTIONS PRIVATE LIMITED
54	CATO RESEARCH NEULAND INDIA PRIVATE LIMITED
55	CBCC - VIBGYOR RESEARCH PRIVATE LIMITED
56	CBCC GLOBAL RESEARCH INDIA PRIVATE LIMITED
57	CDOT ALCATEL RESEARCH CENTER PRIVATE LIMITED
58	CEEKAY SEEDS AND SEEDLING PRIVATE LIMITED
59	CELESTYS PHARMACEUTICALS PRIVATE LIMITED
60	CELLWORKS RESEARCH INDIA PRIVATE LIMITED
61	CHASE LIFE SCIENCES PRIVATE LIMITED
62	CIDP BIOTECH INDIA PRIVATE LIMITED
63	CIPLA BIOTEC PRIVATE LIMITED
64	CJ PHARMA RESEARCH INDIA PRIVATE LIMITED
65	CLIANTHA RESEARCH LIMITED
66	CLINICA PHARMA RESEARCH INDIA PRIVATE LIMITED
67	CLINIPACE CLINICAL RESEARCH PRIVATE LIMITED
68	CLINIRX TANGENT RESEARCH INDIA PRIVATE LIMITED
69	CLINPRAX RESEARCH PRIVATE LIMITED
70	CLINSTAR INDIA CLINICAL RESEARCH PRIVATE LIMITED
71	CLINTEC (INDIA) INTERNATIONAL PRIVATE LTD.
72	CLIQR TECHNOLOGIES INDIA PRIVATE LIMITED
73	COGENT RESEARCH AND ANALYTIC LABS PRIVATE LIMITED
74	COMPLETE HEOR SOLUTIONS INDIA PRIVATE LIMITED
75	CONCEPT MEDICAL RESEARCH PRIVATE LIMITED
76	CONERGY ENERGY SYSTEMS (INDIA) PRIVATE LIMITED
77	CONNEXIOS LIFE SCIENCES PRIVATE LIMITED
78	CONTRACT PHARMACAL CORPORATION INDIA PRIVATE LIMITED
79	COREBIZ TECHNOLOGY PRIVATE LIMITED
80	COVIDIEN ENGINEERING SERVICES PRIVATE LIMITED
81	CRITERION SCIENTIFIC LABS PRIVATE LIMITED
82	CRITERIUM CLINICAL RESEARCH PRIVATE LIMITED
83	CRMO PHARMATECH PVT. LTD.
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95	ENABLE LIFE SCIENCES PRIVATE LIMITED
96	ENTHOUGHT SCIENTIFIC SOFTWARE SOLUTIONS PVT. LTD.
97	ENVIRONMENTAL CLEAN TECHNOLOGIES DEVELOP
98	EPHICACY LIFESCIENCE ANALYTICS PRIVATE LIMITED
99	EPIONE LABS PRIVATE LIMITED
100	EPR PHARMAEUTICALS PRIVATE LIMITED
101	EPYGEN BIOTECH PRIVATE LIMITED
102	ERON ENERGY PRIVATE LIMITED
103	ESCIENTIA BIOPHARMA PRIVATE LIMITED
104	EUROFINS AGROSCIENCE SERVICES PRIVATE LIMITED
105	EUROFINS ANALYTICAL SERVICES INDIA PRIVATE LIMITED
106	EUROFINS CLINICAL GENETICS INDIA PRIVATE LIMITED
107	EUROFINS GENOMICS INDIA PRIVATE LIMITED
108	EUROFINS IT SOLUTIONS INDIA PRIVATE LIMITED
109	EUROFINS PHARMA SERVICES INDIA PRIVATE LIMITED
110	EVERIST GENOMICS INDIA PRIVATE LIMITED
111	EVOLVA BIOTECH PRIVATE LIMITED
112	EVOTEC INDIA PRIVATE LIMITED
113	EVOTEC-RSIL LIMITED
114	EXELA PHARM SCI PRIVATE LIMITED
115	EZYHEALTH INDIA PRIVATE LIMITED
116	FAURECIA INTERIOR SYSTEMS INDIA PRIVATE LIMITED
117	FERTIN PHARMA RESEARCH & DEVELOPMENT INDIA PVT. LTD.
118	FIRST ADVANTAGE PRIVATE LIMITED
119	FIRST TIME US PHARMACEUTICALS INDIA PRIVATE LIMITED
120	FIRSTSOURCE SOLUTIONS LIMITED
121	FISHER DYNAMICS AUTOMOTIVE INDIA PVT. LTD.
122	FORRESTER RESEARCH INDIA PRIVATE LIMITED
123	FOUR FRONT RESEARCH INDIA PRIVATE LIMITED
124	FRESENIUS KABI ONCOLOGY LIMITED
125	GANGAGEN BIOTECHNOLOGIES PRIVATE LIMITED
126	GE DRILLING ENGINEERING SERVICES OF INDIA PRIVATE LIMITED
127	GE RENEWABLE R&D INDIA PRIVATE LIMITED
128	GENCOR PACIFIC ORGANICS INDIA PRIVATE LIMITED
129	GENEPHARM INDIA PRIVATE LIMITED
130	GENERAL MOTORS TECHNICAL CENTRE INDIA PRIVATE LIMITED
131	GENESIS LABORATORIES INDIA PRIVATE LIMITED
132	GENPACT INDIA PRIVATE LIMITED
133	GEOSYNTHETIC TESTING SERVICES PRIVATE LIMITED
134	GETZ PHARMA RESEARCH PRIVATE LIMITED
135	GLOBAL GENE CORP PRIVATE LIMITED



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140	GSOFT SERVICES PRIVATE LIMITED
141	GVK BIOSCIENCES PRIVATE LIMITED
142	H&V ADVANCED MATERIALS (INDIA) PRIVATE LIMITED
143	HASELMEIER INDIA PRIVATE LIMITED
144	HEWLETT PACKARD ENTERPRISE INDIA PRIVATE LIMITED
145	HONDA R&D INDIA PRIVATE LIMITED
146	HYTECH SEED INDIA PRIVATE LIMITED
147	I&B SEEDS PRIVATE LIMITED
148	I3 RESEARCH INDIA PRIVATE LIMITED
149	IAV INDIA PRIVATE LIMITED
150	IGENOMIX RESEARCH INDIA PRIVATE LIMITED
151	IMAEON SCIENTIFIC RESEARCH PRIVATE LIMITED
152	IMEC INDIA PRIVATE LIMITED
153	IMMUNOSCIENCE INDIA PRIVATE LIMITED
154	INC RESEARCH CDS SERVICES PRIVATE LIMITED
155	INDEUS LIFE SCIENCES PRIVATE LIMITED
156	INDIA INOTEK CLINICAL RESEARCH PRIVATE LIMITED
157	INDIAN INSTITUTE OF CANCER RESEARCH PRIVATE LIMITED
158	INFOGIX INTERNATIONAL PRIVATE LIMITED
159	INSPIRATA INDIA PRIVATE LIMITED
160	INVITROGEN BIOSERVICES INDIA PRIVATE LIMITED
161	IQVIA RDS (INDIA) PRIVATE LIMITED (NO)
162	JAPAN POLYMER ANALYTICAL AND RESEARCH LABORATORY INDIA PVT. LTD.
163	JATROPOWER BIO- TRADING PRIVATE LIMITED
164	JSS MEDICAL RESEARCH INDIA PVT. LTD.
165	JUBILANT CHEMSYS LIMITED
166	JUBILANT CLINSYS LIMITED
167	JUBILANT INNOVATION INDIA LIMITED
168	KBC RESEARCH FOUNDATION PRIVATE LIMITED
169	KIMS CANCER CARE AND RESEARCH CENTER PRIVATE LIMITED
170	KLINE INDIA RESEARCH & CONSULTING PRIVATE LIMITED
171	KUANTUM TECHNOLOGIES PRIVATE LIMITED
172	KURIAN RESEARCH PRIVATE LIMITED
173	KWS RESEARCH AND DEVELOPMENT PRIVATE LIMITED
174	LAXAI-AVANTI LIFE SCIENCES PRIVATE LIMITED
175	LEAF TECHNOLOGIES PRIVATE LIMITED
176	LIBRE WIRELESS TECH INDIA PRIVATE LIMITED
177	LM WIND POWER TECHNOLOGIES (INDIA) PRIVATE LIMITED
178	LOTUS CLINICAL RESEARCH ACADEMY PRIVATE LIMITED
179	LOTUS LABS PRIVATE LIMITED
180	MANTENA RESEARCH CENTRE PVT. LTD.
181	MARMON FOOD & BEVERAGE TECHNOLOGIES INDIA PRIVATE LIMITED
182	MAYA CLINICAL DRUG DEVELOPMENT PRIVATE LIMITED



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183	MEDANTA DUKE RESEARCH INSTITUTE PRIVATE LIMITED
184	MEDGENOME LABS PRIVATE LIMITED
185	METAHELIX LIFE SCIENCES PRIVATE LIMITED
186	MICROSEMI COMMUNICATIONS INDIA PRIVATE LIMITED
187	MICROSEMI STORAGE SOLUTIONS INDIA PRIVATE LIMITED
188	MIDAS RESEARCH & DEVELOPMENT CENTRE INDIA PVT. LTD.
189	MILLIKEN CHEMICAL AND TEXTILE (INDIA) CO. PRIVATE LIMITED
190	MINDRAY MEDICAL INDIA PRIVATE LIMITED
191	MITHROS CHEMICALS PRIVATE LIMITED
192	MMSH CLINICAL RESEARCH PRIVATE LIMITED
193	MSD WELLCOME TRUST HILLEMANN LABORATORIES PRIVATE LIMITED
194	MYCOM OSI SOLUTIONS INDIA PRIVATE LIMITED
195	MYSAPARK TECHNOLOGIES PRIVATE LIMITED
196	NAGARJUNA FOOD TECHNOLOGIES PRIVATE LIMITED
197	NANOG INDIA PRIVATE LIMITED
198	NAVIN SAXENA RESEARCH AND TECHNOLOGY PRIVATE LIMITED
199	NEOGEN FOOD AND ANIMAL SECURITY (INDIA) PRIVATE LIMITED
200	NESTLE R&D CENTRE INDIA PRIVATE LIMITED
201	NEULAND HEALTH SCIENCES PRIVATE LIMITED
202	NEWNET TECHNO ENGINEERING INDIA PRIVATE LIMITED
203	NOBLE ADVISORY INDIA PRIVATE LIMITED
204	NOSTRUM TECHNOLOGIESPRIVATE LIMITED
205	NOVALEAD PHARMA PRIVATE LIMITED
206	NOVASEP PROCESS ENGINEERING SERVICES PRIVATE LIMITED
207	NOVEL CLINICAL RESEARCH INDIA PRIVATE LIMITED
208	NRG CONSULTING SERVICES PRIVATE LIMITED
209	OAT & IIL INDIA LABORATORIES PRIVATE LIMITED
210	OCKHAM INDIA CLINICAL RESEARCH AND DATA SERVICES PRIVATE LIMITED
211	OCTONUS DIA TECH PRIVATE LIMITED
212	ODYSEY RESEARCH INDIA PRIVATE LIMITED
213	ONCOSTEM DIAGNOSTICS PRIVATE LIMITED
214	OXYGEN BIO RESEARCH PRIVATE LIMITED
215	PACIFIC CLINICAL RESEARCH INDIA PRIVATE LIMITED
216	PAREXEL INTERNATIONAL CLINICAL RESEARCH PRIVATE LIMITED
217	PAREXEL INTERNATIONAL SERVICES INDIA PRIVATE LIMITED
218	PASCO GEOMATICS INDIA PRIVATE LIMITED
219	PATHEON RESEARCH & DEVELOPMENT SERVICE INDIA PRIVATE LIMITED
220	PAVISARA GREENTECH PRIVATE LIMITED
221	PHARMAZZ INDIA PRIVATE LIMITED
222	PHOENIX CARDIAC DEVICES PRIVATE LIMITED
223	PILANI SOFT LABS PRIVATE LIMITED
224	PMS INDIA PRIVATE LIMITED
225	PPD PHARMACEUTICAL DEVELOPMENT INDIA PRIVATE LIMITED
226	PREMAS BIOTECH LIMITED
227	PRIMUS ANALYTICS PRIVATE LIMITED
228	PROACTIVE FAMILY SOLUTIONS PRIVATE LIMITED
229	PROMETHEAN SPENTA TECHNOLOGIES PRIVATE LIMITED



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230	PSI CRO PHARMA INDIA PRIVATE LIMITED
231	QED CLINICAL SERVICES INDIA PRIVATE LIMITED
232	QPS BIOSERVE INDIA PRIVATE LIMITED
233	QUAGEN PHARMA INDIA PRIVATE LIMITED
234	QUARTESIAN CLINICAL RESEARCH PRIVATE LIMITED
235	QUEST LIFE SCIENCES PRIVATE LIMITED
236	QUINTILES PHASE ONE CLINICAL TRAILS INDIA PRIVATE LIMITED
237	RADIO FREQUENCY MICRO DEVICES (INDIA) PRIVATE LIMITED
238	REGROW BIOSCIENCES PRIVATE LIMITED
239	RESEARCH TRIANGLE INSTITUTE GLOBAL INDIA PRIVATE LIMITED
240	RICOH INNOVATIONS PRIVATE LIMITED
241	RIEKE GLOBAL INNOVATION CENTER INDIA PVT. LTD.
242	RITIKA RESEARCH LABS PRIVATE LIMITED
243	RLE INDIA PRIVATE LIMITED
244	RPS RESEARCH INDIA PRIVATE LIMITED
245	S ZHAVERI PHARMAKEM PRIVATE LIMITED
246	SAI LIFE SCIENCES LIMITED
247	SAINT GOBAIN RESEARCH INDIA PVT. LTD.
248	SANDISK INDIA DEVICE DESIGN CENTRE PRIVATE LIMITED
249	SANDOR LIFE SCIENCES PRIVATE LIMITED
250	SCHINDLER INDIA PRIVATE LIMITED
251	SCHLUMBERGER INDIA TECHNOLOGY CENTRE PRIVATE LIMITED
252	SCIFORMIX TECHNOLOGIES PRIVATE LIMITED
253	SELERANT INDIA R&D CENTRE PRIVATE LIMITED
254	SHORETEL COMMUNICATIONS PRIVATE LIMITED
255	SIRO CLINPHARM PRIVATE LIMITED
256	SNAP NETWORKS PRIVATE LIMITED
257	SOLVAY SPECIALITIES INDIA PRIVATE LIMITED
258	SPATIAL COMMUNICATIONS INDIA PRIVATE LIMITED
259	STANDARD MICROSYSTEMS INDIA PRIVATE LIMITED
260	STEMPEUTICS RESEARCH PRIVATE LIMITED
261	STRAND LIFE SCIENCES PRIVATE LIMITED
262	SUJEEVA GREENTECH PRIVATE LIMITED
263	SUNBORNE ENERGY TECHNOLOGIES PRIVATE LIMITED
264	SYBASE SOFTWARE INDIA PRIVATE LIMITED
265	SYMBIOTIC SCIENCES PRIVATE LIMITED
266	SYNCHRON RESEARCH SERVICES PRIVATE LIMITED
267	SYNGENTA BIOSCIENCES PRIVATE LIMITED
268	TCB FORUM
269	TCGA RESEARCH PRIVATE LIMITED
270	TECHNOVATE INDIA INNOVATIONS
271	TELCORDIA TECHNOLOGIES INDIA PRIVATE LIMITED
272	TEVA INDIA PRIVATE LIMITED
273	TEVA PHARMACEUTICAL AND CHEMICAL INDUSTRIES INDIA PRIVATE LIMITED
274	THERAMYT NOVOBIOLOGICS PRIVATE LIMITED
275	THERAPUCES BIO-TECH INDIA PRIVATE LIMITED
276	TIMKEN ENGG.& RESEARCH INDIA PRIVATE LIMITED



277	TOTIPOTENTRX CELL THERAPY PRIVATE LIMITED
278	TRANSLATIONAL MEDICINE INDIA PRIVATE LIMITED
279	TRI CELL THERAPEUTICS PRIVATE LIMITED
280	TWENTYFIRST CENTURY SEEDS PRIVATE LIMITED
281	UNIQLEADS RESEARCH PRIVATE LIMITED
282	UNITED GENETICS INDIA PRIVATE LIMITED
283	UNITED STATE PHARMACOPEIA INDIA PRIVATE LIMITED
284	U-SHIN INDIA PRIVATE LIMITED
285	VBF PHARMACEUTICAL RESEARCH PRIVATE LIMITED
286	VEEDA CLINICAL RESEARCH PRIVATE LIMITED
287	VESTAS TECHNOLOGY R&D CHENNAI PVT. LTD.
288	VIS RESEARCH PRIVATE LIMITED
289	VITAS PHARMA RESEARCH PRIVATE LIMITED
290	VIZIPHAR BIOSCIENCES PRIVATE LIMITED
291	VLIFE SCIENCES TECHNOLOGIES PRIVATE LIMITED
292	VOCOLLECT INDIA PRIVATE LIMITED
293	VYOME BIOSCIENCES PRIVATE LIMITED
294	WESTPORT INNOVATIONS INDIA PRIVATE LIMITED
295	WORLDWIDE CLINICAL TRIALS INDIA PRIVATE LIMITED
296	YASHOMATI HOSPITALS PRIVATE LIMITED
297	YMC TECHNOLOGIES PRIVATE LIMITED
298	ZANFARI PHARMACEUTICALS PRIVATE LIMITED



Annexure 3 – List of R&D Export Units

S. No.	Name of the unit	Directorate	Nature of Services being exported as R&D
1	Mobile Aspects Inc	Bengaluru	Healthcare Software development
2	VividSparks Solutions	Bengaluru	Implementing high end computing chips. It is a product-oriented company with expertise in Artificial Intelligence, Machine Learning, High Performance Computing, and Scientific Computing, ASIC, GPU.
3	Pramati Technologies Private Limited	Bengaluru	Software Product Development
4	Anora Semiconductor labs Pvt Ltd	Bengaluru	Testing & Engineering services
5	Aricent Technologies Holdings Ltd	Bengaluru	Embedded software, Software maintenance, migration, telecom software & solutions, software testing, IT enabled services
6	Aricent Technologies Pvt Ltd	Bengaluru	Embedded software, Software maintenance, migration, telecom software & solutions, software testing, IT enabled services
7	ADOBE SYSTEMS INDIA PVT LTD	Bengaluru	Computer Software R & D Engineering & Design
8	GIKU Technologies Pvt.Ltd	Bengaluru	Network Switching, Routing and Security
9	ALE INDIA PRIVATE LIMITED	Bengaluru	Software Product Development
10	Mitel Cloud Communications Pvt. Ltd.	Bengaluru	Telecommunication
11	Achronix Semiconductors India Pvt Ltd	Bengaluru	Field Programmable Gate Array (FPGA) solution provider for product research and development including software development, IP development, application engineering, and customer support software.
12	Horner Engineering India Private Limited	Bengaluru	Embedded Software
13	Valtech India Systems Pvt Ltd Unit II	Bengaluru	Information Technology Software Services
14	Audience Communications Systems India Pvt Ltd	Bengaluru	Audio /Voice
15	VMWare Software India Private Limited	Bengaluru	Software Development & Testing
16	NXP INDIA PRIVATE LIMITED	Bengaluru	IT/ ITES (Chip design, testing, development & customer support)
17	Intermec Softwares Pvt Ltd.	Bengaluru	IT & ITES
18	Riverbed Technology India Pvt Ltd	Bengaluru	Embedded Software
19	QuickLogic Software India Pvt. Ltd	Bengaluru	IT Services (Software Development)



20	Essential Products Labs Private Limited	Bengaluru	Software Development
21	SAP Labs India Private Limited. Bangalore.	Bengaluru	SAP Labs is the core R&D center which mainly involved in developing and constantly improving the key SAP solutions.
22	Anritsu India Private Limited	Bengaluru	IT Software Development
23	Itron India Pvt Ltd	Bengaluru	IT Enable service
24	Nvidia Graphics Pvt Ltd, Bangalore	Bengaluru	IT/ITES
25	Mavenir Systems Pvt Ltd	Bengaluru	R&D) requirement analysis, design, development, validation and operational support of next generation Mobile (Voice/Video over 5G/LTE, RMS, EPC) and Enterprise telecomm (PBX) solutions.
26	Intel Technology India Pvt Ltd	Bengaluru	R & D
27	Sankhyasutra Labs Private Limited	Bengaluru	Software Development Services - Semiconductor
28	Prysm Displays India) Pvt Ltd	Bengaluru	IT - Software Architecture, Design & Coding for image Proc & Display Technology
29	Samsung R&D Institute India-Bangalore Pvt. Ltd.,	Bengaluru	Software
30	Bravoventure India Pvt Ltd	Bengaluru	Embedded Software
31	KARMIC DESIGN PRIVATE LIMITED	Bengaluru	IT
32	Chelsio Communications Pvt Ltd	Bengaluru	Engineering and Design
33	LumenData Solutions India Private Limited	Bengaluru	Software development
34	Vera Security India Private Limited	Bengaluru	Data Security Software
35	Philips India Limited	Bengaluru	IT & ITES
36	Mercedes-Benz Research and Development India Pvt Ltd	Bengaluru	1.Research and experimental development services in natural sciences and engineering 2.Information technology (IT) consulting and support services 3.Information technology (IT) design and development services
37	Electronics for Imaging India Pvt. Ltd	Bengaluru	Expertise in Digital Imaging Technologies for toner and inkjet based printers software applications for MiS Prepress Postpress for print industry.
38	Tismo Technology Solutions Pvt Ltd	Bengaluru	Software Development/Embedded Systems/IoT
39	Texas Instruments (India) Pvt.Ltd	Bengaluru	Design Automation
40	ArisGlobal Software Pvt Ltd	Bengaluru	Pharmacovigilance & Clinical Research -(core offering is LifeSphere, a cloud platform helps hundreds of life sciences companies accelerate research and development, maintain compliance and streamline collaboration between cross-functional teams, empowering them to bring safer products to market more quickly)



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41	Mobileum India Private Limited	Bengaluru	Development
42	Kirusa Software Private Limited	Bengaluru	Software and Development Services
43	Azuga Telematics Private Limited	Bengaluru	Information Technology Services
44	NI Systems India Pvt Ltd	Bengaluru	ITES
45	ABB Global Industries and Services Pvt Ltd	Bengaluru	Engineering Services
46	Ariba Technologies India Pvt Ltd	Bengaluru	Software development and Information Technology ('IT') enabled services
47	Vanu India Private Limited	Bengaluru	Through Data communication -offshore
48	Huawei Technologies India Pvt Ltd	Bengaluru	R&D Software services
49	Microchip Technology India Pvt Ltd	Bengaluru	Software Product Development
50	Volvo Group India Pvt Ltd-NSTPI	Bengaluru	Engineering & Design Services
51	Ittiam Systems Pvt Ltd	Bengaluru	Embedded Software & IP
52	Meltwater News International Holding GmbH	Bengaluru	IT - Media Intelligence Software Services
53	Fortinet Technologies India Private Limited.,	Bengaluru	Enterprise class WIFI Software and Associated application development
54	ARRIS Group India Private Limited	Bengaluru	IT & ITeS
55	Ruckus Wireless Private Limited	Bengaluru	IT & ITeS
56	Tecnotree Convergence Pvt Ltd.	Bengaluru	IT and IT related services
57	Dassault Systemes Solutions Lab Private Limited	Bengaluru	CAD/CAM/Engineering Design
58	Yahoo Software Development India Private Limited	Bengaluru	IT/ITeS
59	Muse Global Research Services P Ltd	Chennai	Software Product Development
60	ProdEx Technologies	Chennai	RFID
61	SCOPE e-Knowledge Center Pvt Ltd	Chennai	Chemical department, indexing, data services
62	eG Innovations Pvt. Ltd.,	Chennai	Analytical platform
63	S4 Carlisle Publishing Services Pvt Ltd	Chennai	Publishing and technology Services
64	AMD India Private Limited	Hyderabad	IC Design
65	Blujay Solutions (India) Private Limited	Hyderabad	Logistics of supply chain
66	GE India Industrial Private Limited	Hyderabad	Digital Industrial Company



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67	Intel Technology India Private Limited	Hyderabad	VLSI/ASIC
68	Microsemi Communications India Private Limited	Hyderabad	VLSI/ASIC
69	Microsemi India Private Limited	Hyderabad	Engineering and Design
70	NVIDIA Graphics Private Limited	Hyderabad	Product Development in Communication Systems
71	Synopsis (India) Pvt. Limited	Hyderabad	VLSI/ASIC
72	ADP Pvt. Ltd.	Pune	Software Research & Development
73	ADP Pvt. Ltd. (Unit - 2)	Pune	Product Development, R&D
74	Avaya India Pvt. Ltd. (Unit - II)	Pune	Telecommunication software & solution
75	Capsilon Software Pvt. Ltd.	Pune	Artificial Intelligence
76	Cisco Systems (I) Pvt. Ltd. (Unit-II)	Pune	Telecommunication, Network Equipment's, Network switch, routing
77	DBOI Global Services Pvt. Ltd.	Pune	Financial Service product
78	DBOI Global Services Pvt. Ltd.	Pune	Financial Service product
79	eCommera India Pvt. Ltd.	Pune	Business intelligence in form of research and analysis
80	Ecsion Research Labs Pvt. Ltd.	Pune	Software Product Development
81	Exfo Electro Optical Engineering India Pvt. Ltd.	Pune	Optical fiber testing equipment's and R&D Center
82	exl Service.com (I) Pvt. Ltd.	Pune	IT Enabled Services & R&D projects
83	Giesecke & Devrient MS India Pvt. Ltd.	Pune	Embedded System Cards & Services
84	IP Access India Pvt. Ltd.	Pune	Networking
85	MediaTech	Pune	Graphics Animation Software Product Development
86	Open-Silicon Research Pvt.Ltd.	Pune	Engineering Design
87	Pitney Bowes India Pvt. Ltd	Pune	Software Product Development
88	SAS Research and Development (India) Pvt. Ltd.	Pune	Software Product Development, ITES
89	Synopsys (India) Pvt. Ltd.	Pune	Integrated circuit (IC) design
90	TIBCO Software India Pvt. Ltd.	Pune	Software Product Development
91	TIBCO Software India Pvt. Ltd.	Pune	Software Product Development
92	Transparent Value Pvt. Ltd.	Pune	Financial Services
93	Ugam Solutions Pvt. Ltd.	Pune	Market Research and Retail Services



94	VMware Software India Pvt. Ltd.	Pune	Software Product Development
95	NetTantra Technologies (India) Pvt. Ltd	Bhubaneswar	Embedded Software, Software Maintenance, Migration, Telecomm Software and Solutions
96	Keysight Technologies India Pvt Ltd.	Guwahati	Networking, 5G, Wave measurement
97	Alumnus Software Ltd.	Guwahati	Networking, Device Driver, OS porting
98	Nexval Infotech Pvt. Ltd.	Guwahati	Software Architecture
99	Nest innovative Solutions Pvt. Ltd.	Guwahati	Multi channel engagement in data technology
100	Ensim India Pvt. Ltd.	Guwahati	ITeS
101	Regal Services	Guwahati	Engineering Drawing
102	Regal Cad Services Pvt. Ltd.	Guwahati	Engineering Drawing
103	Freebalance Software Solutions India Pvt. Ltd.	Guwahati	ERP
104	Gamut Infosystem Ltd.	Guwahati	Real Estate
105	NXP India Pvt. Ltd.	Noida	NXP is engaged into research and development of semiconductor chip for various applications. The activity includes chip design, testing of chip and development of embedded software on the chip
106	SAP Labs India Pvt Ltd.	Noida	Research and Development
107	Mentor Graphic5 India Pvt Ltd	Noida	Software Development Support Services (performing software coding, quality assurance, and testing with respect to preexisting and new software products features, functions and error corrections)
108	Atrenta (India) Pvt.Ltd.	Noida	R&D (Software Development)
109	Synopsys (India) Pvt.Ltd.	Noida	R&D (Software Development)
110	Synopsis (India) Pvt.Ltd. - II	Noida	R&D (Software Development)
111	Samsung India Electronics Pvt Ltd	Noida	Computer Software/ IT Enabled Services
112	SAP Labs India Pvt Ltd.	Noida	Research and Development (Software Development)
113	Endoenergy Systems Pvt. Ltd.	Noida	Designing, developing and commercializing assistiveearable exoskeletons for supplementation of the aging society. Use of core Robotics Technology.



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