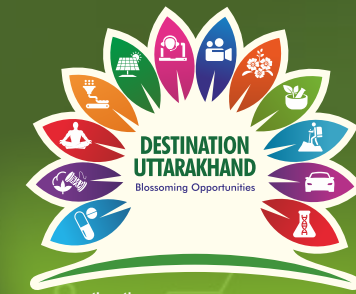




Govt. of Uttarakhand

BIOTECHNOLOGY SECTOR PROFILE



7th-8th October, 2018
www.destinationuttarakhand.in

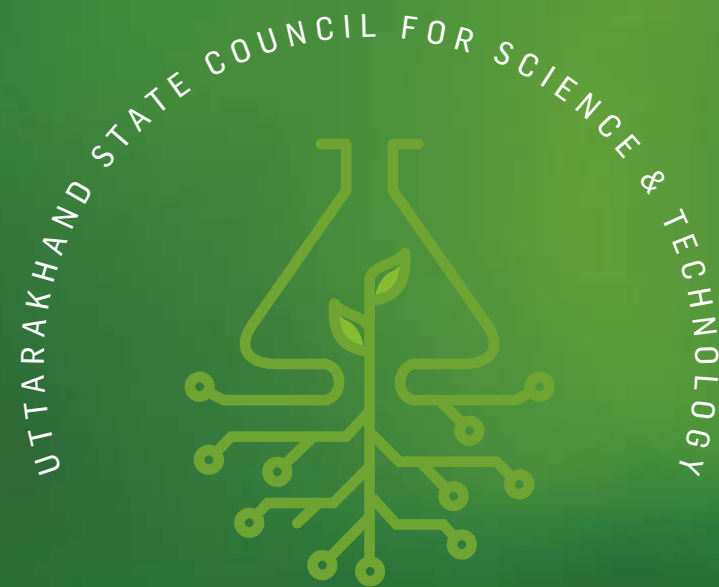
Uttarakhand State Council
FOR SCIENCE & TECHNOLOGY
Government of Uttarakhand



Designed by sanket

Website: www.investuttarakhand.com | Email: ipfc@investuttarakhand.com | Toll Free: 18002701213

Disclaimer: The content in the profile is being vetted by the department and is liable to change



WELCOME!

In Uttarakhand, we have been successful in creating an investor friendly environment. The State has immense potential and favourable conditions to attract investments in various sectors mainly Tourism & Wellness, Organic Farming, Food Processing, Horticulture, Electricity, Solar Energy, Automobile, Pharmaceutical & Sericulture sectors. Uttarakhand is also welcoming new ideas and innovations by creating appropriate ecosystem for nurturing Start-Ups. The state has done a commendable job in creating a symbiotic atmosphere of confidence and enterprise.

Uttarakhand beckons all investors to come, invest and excel.

Trivendra Singh Rawat
Chief Minister, Uttarakhand



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16 Approvals required



17 List of major Biotech Companies in Uttarakhand



18 Key Contacts

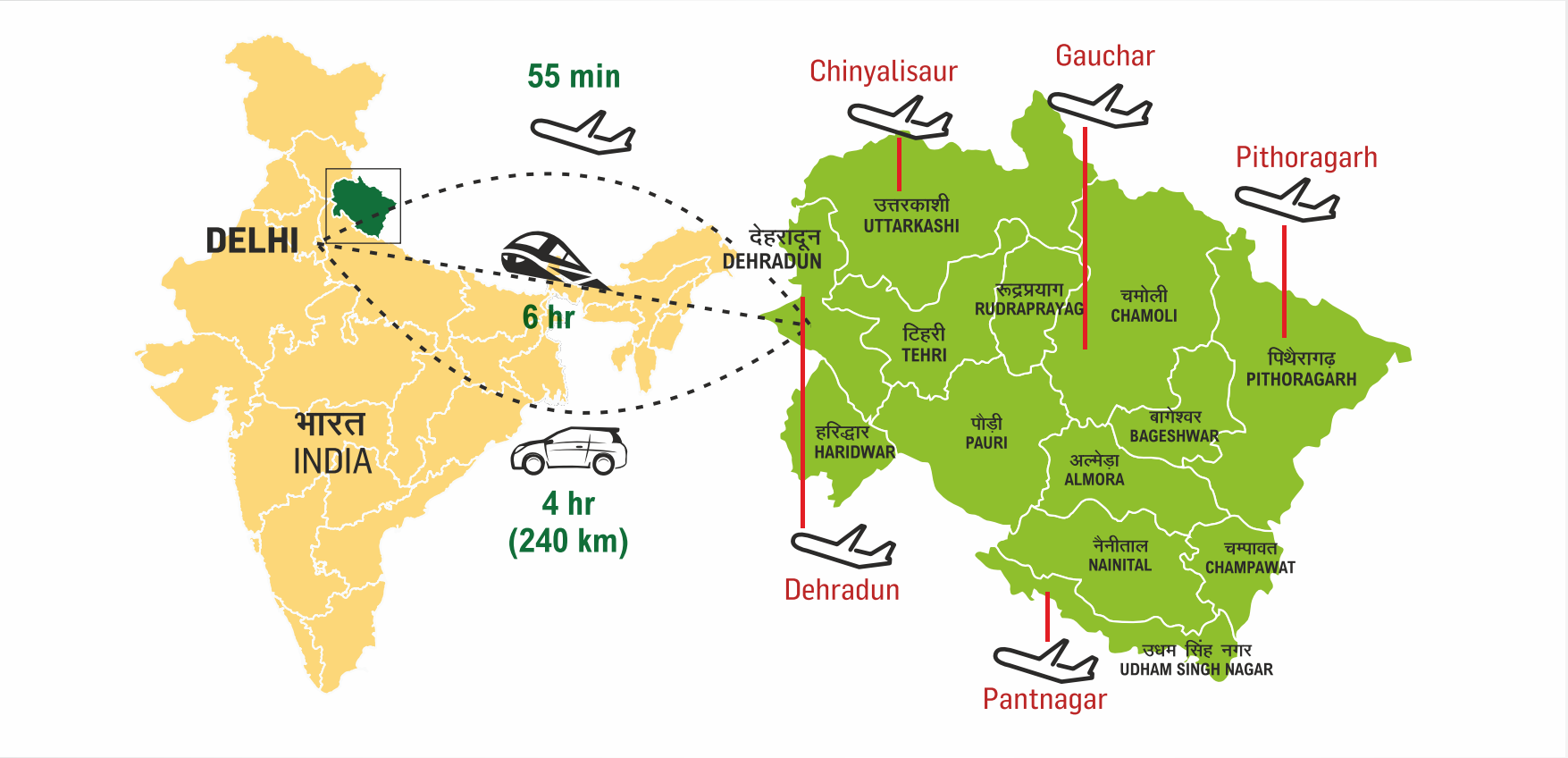
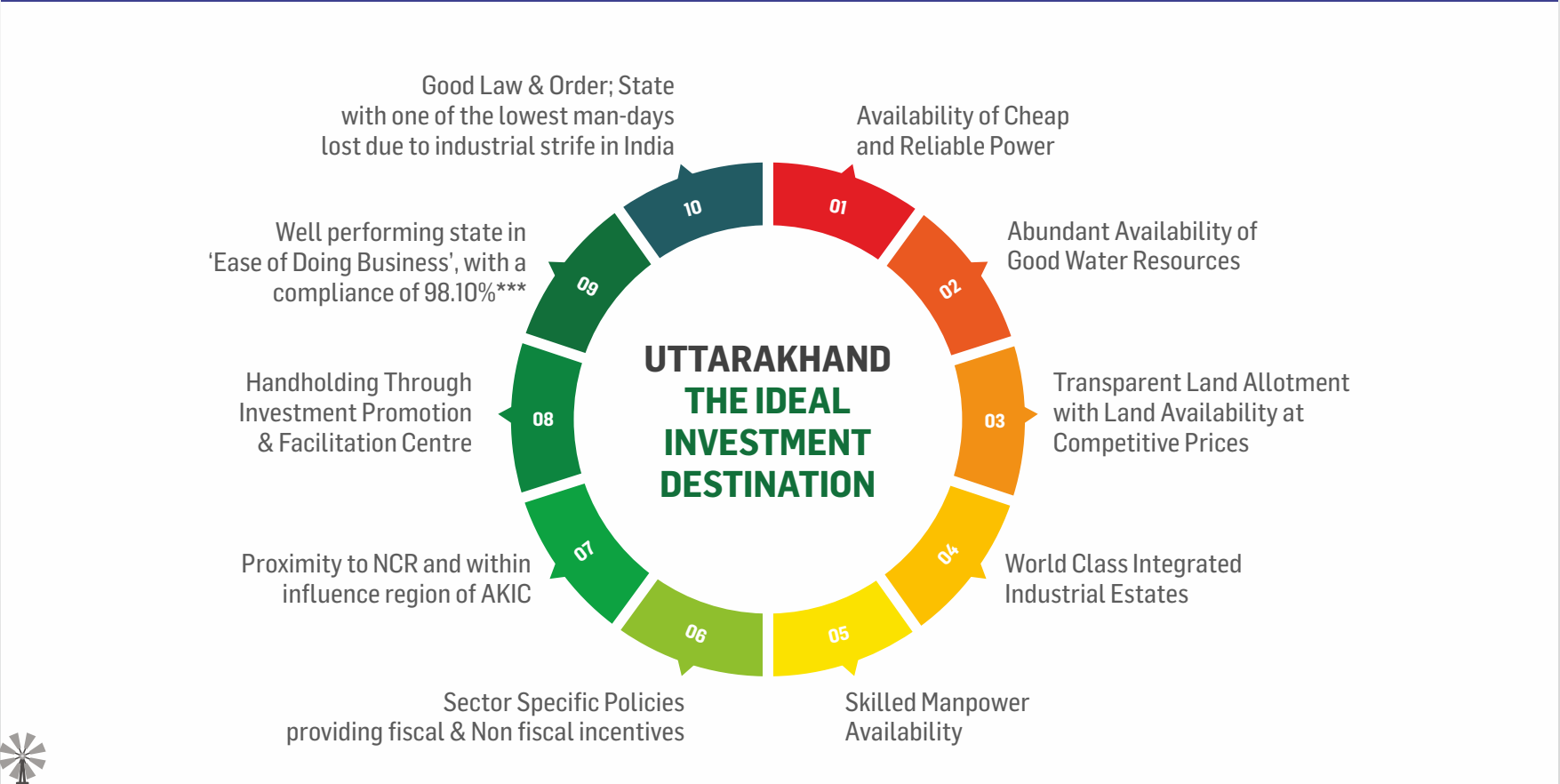


UTTARAKHAND-OVERVIEW



The State of Uttarakhand was formed on 9th November 2000 as the 27 th State of India, when it was carved out of northern Uttar Pradesh	GSDP of the state stood at INR 2,17,609 Million with a growth rate of 11.23% (FY 2017-18)*
The State is close to the National Capital Region (NCR) and has excellent connectivity with its neighbouring states	The state offers a wide range of benefits in terms of interest incentives, financial assistance, subsidies and concessions
With levels of literacy rate* (78.80%) higher than the national average and the presence of institutes of international repute, the State has abundant availability of quality human resources	The secondary sector in the state contributes around 50% to the Gross State Domestic Product (GSDP: 2017-18), much higher than the national average**

ACKNOWLEDGED FOR EASE OF DOING BUSINESS & PEACE OF DOING BUSINESS...



General Characteristics	Population ('000) 10086	Area (Sq. Km) 53,483	Water bodies Ganga, Yamuna, Bhagirathi and others
Economic Indicators	GSDP (Million INR) 2,17,609 (FY 2017-18)	GSDP Growth Rate 11.23% (FY 2017-18)	Per Capita Income (INR) 1,77,356 (FY 2017-18)
Technical Institutes	Higher Education Institutes 159	Industrial Training Institutes (ITI) 179	Polytechnic Institutes 70

Sources: Uttarakhand at a glance 2016, DES, GoUK

INTEGRATED INDUSTRIAL ESTATES (IIEs) 07	INLAND CONTAINER DEPOTS 2 ICDs (FY 2017)	AIRPORTS 2 (Domestic)	ELECTRICITY TARIFF INR 4.99* /kWh (2017-18)
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Sources: *Uttarakhand at a glance 2016, DES, GoUK **Directorate of Economics & Statistics, GoUK *** Evaluation of BRAP 2017 Reform Evidence, DIPP

Source: ICD: http://commerce.gov.in/writereaddata/UploadedFile/MOC_636517146051928242_List_ICDs_CFSs_AFSs_01-01-2018.pdf, Electricity: http://www.cea.nic.in/reports/monthly/installedcapacity/2018/installed_capacity-07.pdf

UTTARAKHAND OVERVIEW

Under the 'Ease of Doing Business' initiative, the State has implemented a web based Single Window Clearance System - www.investuttarakhand.com, allowing investors to avail the necessary State Government approvals to establish and start their business operations through a single platform without any physical touch point with the approving/licensing authority.



HASSLE FREE SETUP AND OPERATIONS IN THE STATE



03

INVESTOR FACILITATION

- The Government of Uttarakhand has laid huge emphasis on business facilitation by creating an enabling environment for industries to set up and start their operations in the State
- The State government houses a dedicated 'Investment Promotion & Facilitation Centre (IPFC)' which acts as a centralized one-stop-shop for the investors / businesses and provides complete handholding support in a structured, focused and comprehensive manner. IFC will focus on investment promotion, facilitation, direct engagement and consultation with investors / Stakeholders and ensures investment realization and sustainable industrialization in the state
- 'Uttarakhand Right to Service Act, 2011' & 'The Uttarakhand Enterprises Single Window Facilitation and Clearance Act, 2012' were enacted to provide necessary time bound licenses, permissions and approvals for the setting up of commercial establishments in the state. The State has ensured robust legal resolution mechanisms to ensure time bound delivery of government services with more than 100 investor related services already notified under both the acts separately and is in the process of adding more such services of multiple sectors shortly

CREDITED BY INDUSTRY ASSOCIATIONS

Story of 'Make in Uttarakhand' which started in 2003 is a classic example of what manufacturing can deliver to a region's economy in terms of both economic growth and employment generation

-CII Report 'Making Uttarakhand Competitive, June 2016'



NCAER Assessment based on "Perception of good business climate" ranks Uttarakhand as the Least Corrupt state in India

NCAER N-SIPI Index Survey ; Five states – Uttarakhand, Gujarat, Assam, Andhra Pradesh and Himachal Pradesh – had more than 90% respondents say they faced no problem in getting land



Uttarakhand has emerged as the top state in the country in terms of growth in the industry and service sectors in the last ten years.

Uttarakhand has also figured as the second best performing state in terms of project implementation, improving investment scenario in the state



04

INDIA BIOTECH SECTOR



INDIAN BIOTECHNOLOGY INDUSTRY

- Government of India considering Biotechnology sector as one of the sunrise sector is focussed on making it reach USD 100 billion by 2025 and develop India into a world class bio manufacturing hub.
- India has the second highest number of US Food & Drug Administration (USFDA)-approved manufacturing plants outside the US. The country is currently home to more than 523 USFDA approved drug manufacturing facilities.
- India being the third largest in the Asia-Pacific in the sector and holding 2 percent of the global market share is currently growing at 20 percent.
- With increasing disposable income and large consumer base, India has developed 8 Biotechnology Parks to provide best ecosystem to industries and met the increasing demand

ACHIEVEMENTS

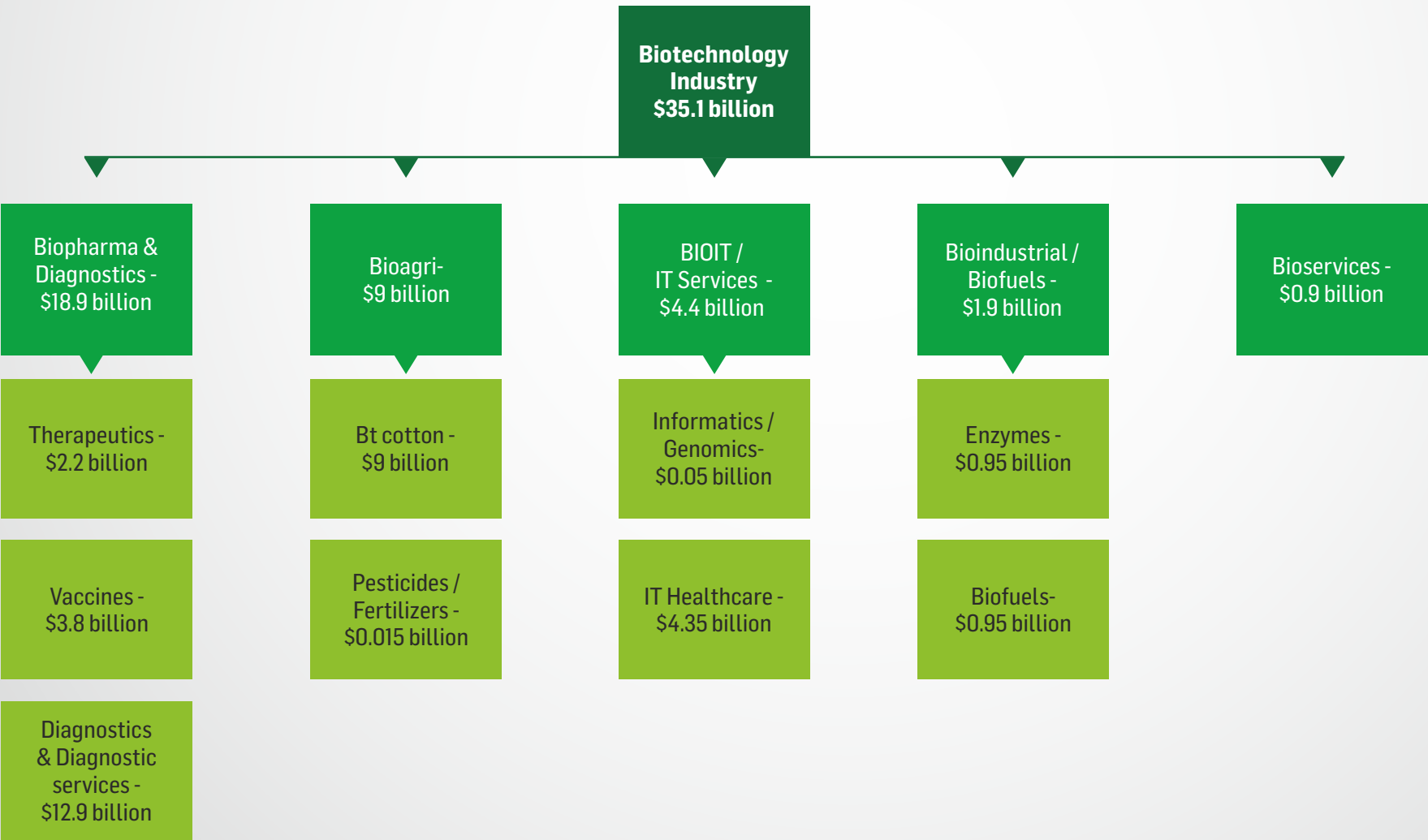
- Development of world-class infrastructure for the manufacture of phyto-pharmaceuticals with the establishment of Good Manufacturing Practices Plant inaugurated at CSIR-IIM, Jammu, in October 2016.
- India has further taken a step forward into indigenous technology through inauguration of first cellulosic ethanol technology demonstration plant on April 22, 2016.
- Advancement of technology in the area of biofuels is established with the launch of five Indian Institutes of Technology at Mumbai, Kharagpur, Guwahati, Jodhpur, and Roorkee on September 3, 2015
- April 2014 to September 2016 marked the establishment/ supporting 30 Bioincubators and Biotech Parks.
- Launch of first indigenously developed and manufactured Rotavirus vaccine 'Rotavac' on March 9, 2015

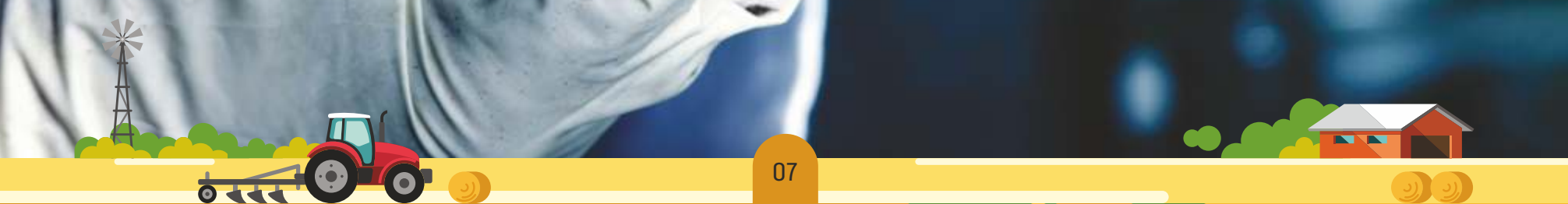
BIOTECHNOLOGY – EASE OF DOING BUSINESS

Ease of Doing Business Initiatives in Biotechnology

- Going forth from August 4, 2016, Government of India permitted import or export of biological samples license free
- Facilitation and dissemination of Government policies through establishment of Facilitation Cell (Biotechnology) at BIRAC is another step to promote Biotechnology sector in India

INDIAN BIO ECONOMY



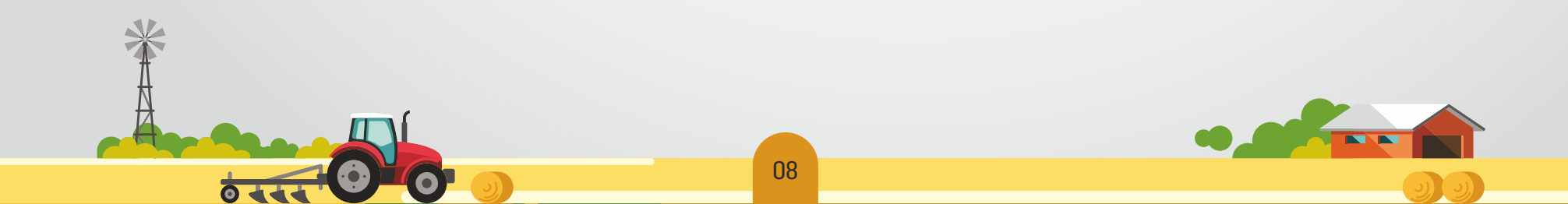


BIOTECH PARKS

SL.No.	Name	Region	Location
01	Bangalore Bio innovation Center (BBC)	Southern India	Bangalore Helix Biotechnology Park, Karnataka
02	Bio360 - Life Science Park	Southern India	Kerala
03	Genome Valley (Vaccine hub of India)	Southern India	Hyderabad, Telangana
04	IKP Knowledge Park	Southern India	TIDCO Centre for Life Sciences (TICEL), Chennai
05	KINFRA Biotech Park	Southern India	Ernakulum, Kerala
06	TICEL Bio Park	Southern India	Tamil Nadu, Chennai
07	Bio-Pharma-IT Park	North / North East / East	Bhubaneshwar, Odisha
08	Guwahati Biotech Park	North / North East / East	Assam
09	Lucknow Biotech Park	North / North East / East	Lucknow, Uttar Pradesh
10	Punjab Biotechnology Park	North / North East / East	Dera Bassi, Chandigarh
11	International Biotech Park	West	Hinjawadi, Maharashtra
12	Jalna Biotech Park	West	Aurangabad, Maharashtra
13	Savli Biotech Park	West	Vadodara, Gujarat

Investment Opportunities in Sector

- Support to Biotechnology industry through funding, mentoring, handholding and infrastructure with creation of special purpose organizations such as Biotechnology Industry Research Assistance Council (BIRAC)
- World's leading supplier of affordable vaccines
- Producer of recombinant Hepatitis B vaccines
- Fastest growing economies with GDP growth rate of above 7%





UTTARAKHAND SNAPSHOT

- Uttarakhand was formed on 9th November 2000 as the 27th State of India, when it was carved out of northern Uttar Pradesh. Located at the foothills of the Himalayan mountain ranges, it is largely a hilly State, having international boundaries with China (Tibet) in the north and Nepal in the east. The state is close to the National Capital and has excellent connectivity with its neighbouring states.
- The State has country's first Agricultural University at Pantnagar having campuses at Ranichauri and Bharasar that hosts post graduate programmes of teaching & research.
- Biotechnology with a focus on Agricultural Biotechnology is set up with good research and education infrastructure. Kumaun, Garhwal, technical Universities and IIT Roorkee with postgraduate teaching in the general areas of Biotechnology are close by.
- Newly established Medical College and the Uttarakhand Forest Academy (erstwhile Forest Training Institute), Haldwani; State Vaccine Institute, Patwadangar; VPKAS-ICAR's (Vivekanada Parvatiya Krishi Anusandhan Sansthan), Almora; Forest Research Institute, Dehradun; Wildlife Institute of India, Dehradun etc.
- The area falls within the declared export zones and is also covered by the Concessional Industrial Package announced, in January 2003, by Central Government for the States

KEY INVESTMENT OPPORTUNITIES

- Industrial Bio enzymes Manufacturing Units
- Bio insecticides and Bio pesticides Manufacturing Unit
- Manufacturing Unit focused on nutraceuticals and nutra-cereals
- Establishment of Biotech Parks
- Manufacturing units focused on Bio-similar
- Vaccines manufacturing unit on PPP mode
- Manufacturing unit based on Synthetic biology derived drugs
- Contract research organisation focused on Global research outsourcing



CENTRAL GOVERNMENT SCHEMES AND POLICIES

- **National Guidelines for Stem Cell Research 2017:** Provides a regulatory environment for biomedical research and stem cell research to be conducted in a responsible manner.
- **Guidelines on Similar Biologics: Regulatory Requirements for Marketing Authorization in India 2016:** Biologic claiming to be similar to an already authorized reference biologic are addressed by these guidelines and provides framework for manufacturing process and quality aspects. The guidelines are defined through Central Drugs Standard Control Organization (CDSCO) and the Department of Biotechnology (DBT).
- **National Intellectual Property Rights Policy 2016 (IPR Policy 2016) 2:** The Policy aims to promote and protect Creativity and innovation
- **Bioenergy Roadmap Vision 2020:** Agenda is to create a biotechnology enterprise equipped with viable green and clean technologies for achieving bioenergy security
- **Bio NEST:** Bio-incubation allows harnessing of the entrepreneurial potential of startups by providing access to infrastructure as well as mentoring and networking platforms that the start-ups could use during their fledgling days.
- **National Biotech Development Strategy (2015-20):** Through the strategy, biotechnology was recognized as a sunrise sector that needed focussed attention.

Industrial Development Scheme 2017 (Government of India)*

Central Capital Investment

Central Capital Investment Incentive for access to credit (CCIIAC) @ 30% of the investment in plant and machinery with an upper limit of INR 5.00 crore

Central Comprehensive Insurance Incentive

Reimbursement of 100% insurance premium on insurance of building and Plant & Machinery for a maximum period of 5 years from the date of commencement of commercial production/ operation

Note: Units which have commenced production on or after 01st of April, 2017 will be allowed to register with DIPP on or before 30th of September, 2018

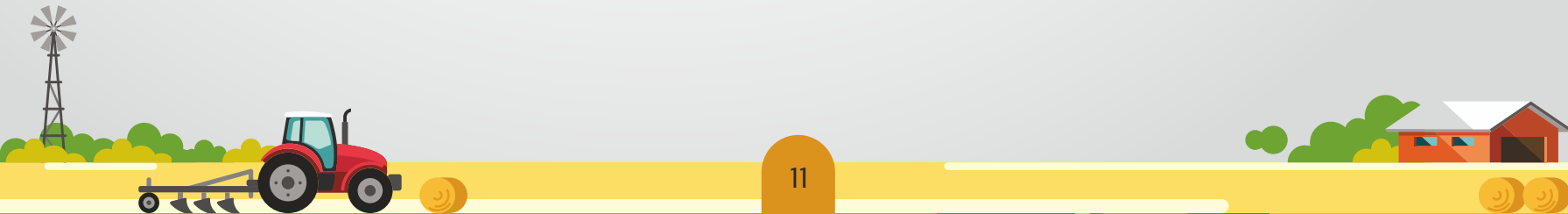
Biotechnology Policy 2018-2013

State offers incentives over and above proposed by MSME Policy -2015 and Mega Industrial Investment Policy -2015 for industries working in Biotechnology sector as defined in the Biotechnology Policy 2018-2023.

A Biotech Corpus has been created to facilitate Biotech Companies/Units/Start-ups, for R&D, Mentorship, Project Report, Standardization Certificate, IPR and Market Incentives through Uttarakhand Biotechnology Committee (UKBC)

Following areas have been selected to foster investments in Biotechnology Sector:

- Co-financing of industry sponsored research and research projects of public interest
 - Collaboration research grant for Uttarakhand Specific projects
 - Introduction of Grand Challenge to facilitate innovation and foster new technologies
 - Phase I – Five innovators will receive proof of Concept funding of INR 05 Lakh
 - Phase II - Finding of INR 12 Lakh to scale up prototype
 - Mentorship support of INR 5 Lakh to start-up to help facilitate access to private investors
 - Reimbursement of Project report preparation cost reimbursement up to INR 1 Lakh
- Reimbursement of 50% of cost incurred in obtaining a standards certificate (ISO/BSL/GLP/GMP) limited to INR 5 Lakh per case
 - Assistance in patent registration; INR 0.5 Lakh for National and INR 2.00 Lakh for International
 - Part Funding & Legal Backing to support preclinical trials of Biopharma & Bio-service Companies/Units and field trials of hybrid or high yielding seeds varieties limited to INR 25 Lakh
 - Incentives up to 100% EPF Contribution
 - Anchor Unit Subsidy for the first two manufacturing Units for investment of INR 50 Cr. and employment of 70-100 members



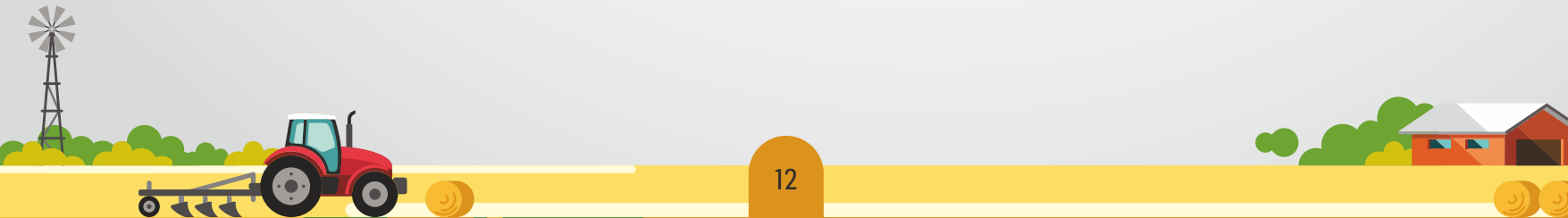
MSME Policy 2015

Biotechnology Sector is covered under MSME industrial policy

Biotechnology Units are eligible for electricity tariff on industrial rate

CATEGORIZATION OF INDUSTRIES FOR THE PURPOSE OF QUANTUM OF INCENTIVES

Category	Included Region
Category A	Whole Districts of Pithoragrah, Uttarkashi, Chamoli, Champawat, Rudraprayag and Bageshwar
Category B	Whole District of Almora
	All hilly development blocks of District Pauri Garhwal, Tehri Garhwal (Excluding regions under category B+)
	All hilly development blocks of District Nainital and Dehradun (Excluding regions under category B+)
Category B+	Kotdwar, Sigaddi and adjoining plain regions of Dugadda development block of district Pauri Garhwal
	Dhalwala, Muni Ki Reti, Tapovan and adjoining plain regions of Fakot development block of District Tehri Garhwal
	Kotabagh development block of District Nainital
	Plain regions of Kalsi development block of District Dehradun
Category C	Regions located above 650 mtrs from sea level in Raipur, Sahaspur, Vikasnagar and Doiwala development blocks of District Dehradun
	Ramnagar and Haldwani development blocks of District Nainital
Category D	Whole Districts of Haridwar and UdhamSingh Nagar
	Remaining area of District Dehradun and Nainital (which are not included in category 'B', 'B+' and 'C')



MSME POLICY 2015

Interest Subsidy

Category A: 10%(Max 8 lacs)

Category B, B+: 8% (Max 6 lacs)

Category C: 6% (Max 4 lacs)

Category D: 5% (Max 3 lacs)

Capital Subsidy

Category A: 40%(Max 40 lacs)

Category B, B+: 35% (Max 35 lacs)

Category C: 30% (Max 30 lacs)

Category D: 15% (Max 15 lacs)

Transport Subsidy

% of Annual Turnover (Per year/ unit) or Inbound/ Outbound Logistics Cost whichever is less

Category A: 7%

Category B: 5%

Category B+: 5% (Max 5 lacs)

Stamp Duty

Category A, B, B+, C: 100%

Category D: 50%

SGST Concession*

Category A: 100% for the first 5 yrs and 90% thereafter

Category B, B+: 100% for the first 5 yrs and 75% thereafter

Power Bill Rebate

Category A: Sanctioned Load upto 100 KVA: 100% for 5 yrs and 75% thereafter; If Load>100 KVA: 60%

Category B, B+: Sanctioned Load upto 100 KVA: 100% for 5 yrs and 60% thereafter; If Load>100 KVA: 50%

*The SGST after adjustment of ITC on sale of finished product (B2C) will be reimbursed from the date of commencement of production of the unit

Internet Charges

50% Reimbursement on internet usage charges for all categories

Mandi Charges

Category A, B: 100% exemption on Mandi charges

Excise Duty

Category A, B: 75% reimbursement on State Excise Duty, Additional Excise Duty, Bottling fees and other charges as under State Excise Policy

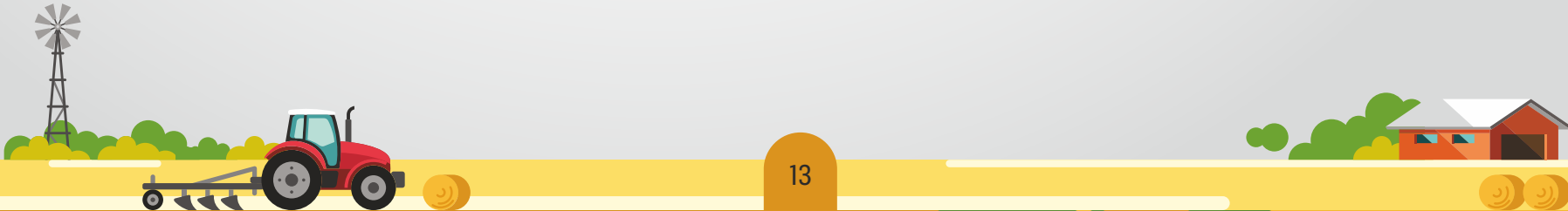
Reimbursement of cost incurred for carrying out standardization and quality certification of products by accredited institutions at national and international level by means of ISI marking, registration of copyright, trade marking etc. - 75% (maximum Rs. 1 lacs)

MEGA INDUSTRIAL AND INVESTMENT POLICY 2015

Biotechnology Industries are included in the policy

SGST after adjustment of ITC on sale of finished product (B2C) will be reimbursed

Categorization of industries for the purpose of quantum of incentives



MSME POLICY 2015

Interest Subsidy	Interest subsidy @ 5% to a maximum of upto INR 3 lakhs will be applicable for term loans availed from scheduled commercial bank or financial institutions
Stamp Duty Exemption	50% exemption on Stamp duty
ETP Subsidy	30% upto a maximum of INR 20 Lakhs
Non Fiscal Incentives	
Payment provision for land obtained from SIIDCUL:	1. 50% at the time of allotment and balance 50% within 2 years in two equal instalments 2. 100% at the time of allotment will be eligible for 5 % rebate

Category	Units Included
Large Projects	Investments of INR 50 Cr.to 75 Cr.
Mega Projects	Investments of INR 75 Cr.to 200 Cr.
Ultra Mega Projects	Investments above INR 200 Cr.

Coverage:

New & Existing Projects undergoing expansion (falling within notified Industrial Estates / declared non-agriculture land under section 143: Large projects (50 Cr to 75 Cr), Mega Projects (75 Cr to 200 Cr), Ultra Mega Projects (Above 200 Cr)

Interest Subsidy

7% for 5 years

Investment – Interest

Large – 25L Max

Mega – 35L Max

Ultra Mega – 50L Max

SGST Concession*

Large: 30%

Mega / Ultra Mega: 50%

Stamp Duty

50% Exemption

*The SGST after adjustment of ITC on sale of finished product (B2C) will be reimbursed from the date of commencement of production of the unit

ETP Subsidy

30% (up to 50 lacs)

Extra Employment Subsidy

@ 500 P.M. per Male

@700 P.M. per Female

Land Registration Fees

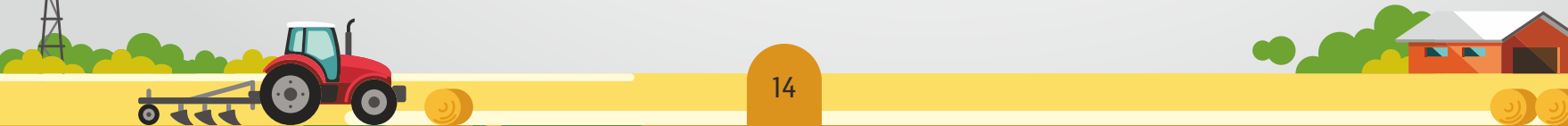
Land registration fee @1/- per 1000/-

Power Assistance

Rebate of 1/- per unit on the power bill and 100% rebate on electric duty for 7 years

Land Rates Rebate

Rebate of 15%, 25% and 30% on SIIDCUL prevailing land rate for Large, Mega and Ultra Mega Projects respectively



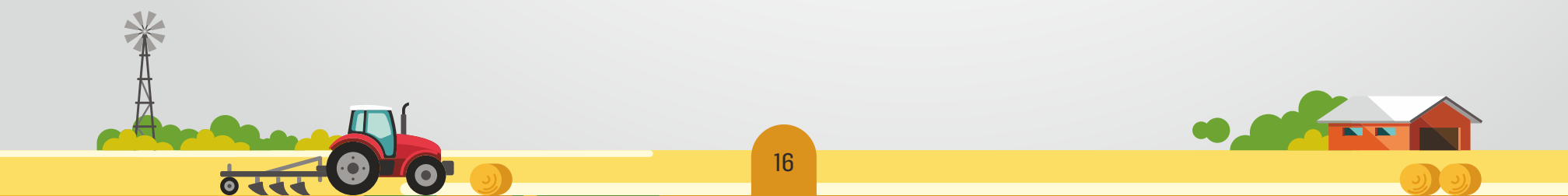


APPROVALS REQUIRED



REGISTRATION / NOCS / LICENSES REQUIRED FOR SETTING UP OF UNITS

S.No	Name of Service	Authority/ Agency/ Office/ Department officer granting approval
01	Land allotment in departmental industrial estates	Directorate of Industries
02	Application for Land / Plot Allotment	SIIDCUL
03	Application for new connection LT / HT line-non domestic / industrial	Uttarakhand Power Corporation Limited
04	Application for Water Connection Limited	State Infrastructure and Industrial Development Corporation of Uttarakhand Limited
05	Application for Water Connection	Uttarakhand Jal Sansthan
06	Application for building plan approval	State Industrial Development Authority
07	Application for Completion cum Occupancy Certificate	State Industrial Development Authority
08	Consent to Establish under Water (Prevention and Control of Pollution) Act, 1974	Uttarakhand Environment Protection and Pollution Control Board
09	Consent to Establish under Air (Prevention and Control of Pollution) Act, 1981	Uttarakhand Environment Protection and Pollution Control Board
10	Consolidated Consent & Authorization under Water Act, 1974, Air Act, 1981 & Authorization under The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016	Uttarakhand Environment Protection and Pollution Control Board
11	Application for Pre-Establishment Fire NOC (National Building Code, 2005)	Uttarakhand Fire and Emergency Services
12	Application for Pre-Operational Fire NOC (National Building Code, 2005)	Uttarakhand Fire and Emergency Services
13	Site Plan Approval under Factories Act, 1948	Department of Labour
14	Registration of Factories under Factories Act, 1948	Department of Labour
15	Registration under Uttarakhand Dookan Aur Vanijya Adhistan Adhiniyam, 1962	Department of Labour
16	License under Contract Labour Act, (Regulation and Abolition),1970	Department of Labour
17	Registration under GST (Uttarakhand Goods and Services Tax Rules, 2017)	Department of Commercial Tax



LIST OF MAJOR BIOTECH COMPANIES IN UTTARAKHAND



KEY CONTACTS





Akums



WINDLAS



TARA



iNNOVA
Biotechnology



Bio Fit



Himalaya
SINCE 1930



Rhyburg
inspiring trust



Sharon
BIO-MEDICINE LTD.
ISO 9001 - 2000 Certified Company

INVESTMENT FACILITATION CENTRE

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Email ID	ipfc@investuttarakhand.com
Toll Free	18002701213

UTTARAKHAND COUNCIL OF BIOTECHNOLOGY

Address	Director General Uttarakhand State Council for Science and Technology, VIGYAN DHAM, Vigyan Sadan Block Dehradun - 248007 Uttarakhand INDIA
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