CELEBRATING THE EARTH’S BIO-DIVERSITY

Dr. Pawan Kumar ‘Bharti’

World Environment Day is the United Nations’ principal vehicle for encouraging worldwide awareness and action for the environment. Held annually since 1974, the Day has also become a vital platform for promoting progress on the environmental dimensions of the Sustainable Development Goals. With the United Nations Environment Programme (UNEP) at the helm, over 150 countries participate each year. Major corporations, non-governmental organizations, communities, governments and celebrities from across the world adopt the World Environment Day brand to champion environmental causes.

This year, Colombia hosted the World Environment Day celebrations on the theme Biodiversity.

World Environment Day (WED) is celebrated on the 5th of June every year. First held in 1974, it has been a flagship campaign for raising awareness on emerging environmental issues from marine pollution, human overpopulation, and global warming, to sustainable consumption and wildlife crime. WED has grown to become a global platform for public outreach, with participation from over 150 countries annually. Each year, WED has a new theme that major corporations, NGOs, communities, governments and celebrities worldwide adopt to advocate environmental causes.

World Environment Day was established by the UN General Assembly in 1972 on the first day of the Stockholm Conference on the Human Environment, resulting from discussions on the integration of human interactions and the environment. Two years later, in 1974 the first WED was held with the theme “Only One Earth.” Even though WED celebration has been held annually since 1974, in 1987 the idea for rotating the center of these activities through selecting different host countries began.

Objectives and History

World Environment Day (WED) is “United Nations’ prime vehicle for encouraging awareness and action to protect our environment. World Environment Day has become a global platform for public outreach, with more than 150 countries participating annually. First organized in 1974, it has been a major campaign for environmental issues ranging from marine pollution, human overgrowth, and raising awareness about global warming, sustainable consumption, and wildlife crime.

World Environment Day is celebrated in many ways, activities such as campaign clarification, sensitizing the locals about the growing environmental conditions and suggesting ways to prevent them, organizing plays, quizzes, free plantations, lectures and children’s poster competition, etc. are quite popular.

Themes

Since last five decades, World Environment Day has been raising

CAREER OPPORTUNITIES IN BIOTECHNOLOGY

Arti S

Among science subjects biology has grown in importance and is included in almost all science courses up to the level of 10–12. Biology is a science that studies life and living organisms. In fact biology is one of the most important subjects related to life being and organisms. It is a vast subject and has many extensions and branches. One of these is Biotechnology. Biotechnology can be explained as any technological application which makes use of biological systems and/or living organisms to make or modify products and processes for specific uses in various areas. It covers the use of microorganisms, such as bacteria, yeast, biological substances like enzymes to perform chemical and industrial processes.

In past 2-3 decades, biotechnology has grown at a rapid pace in India offering extensive opportunities for study and research. Biotechnology in itself is a multidisciplinary subject with foundations in physiology, immunology, microbiology, genetics, biochemistry, chemical and process engineering among others. Biotechnology has made significant contribution in food production, medical search, and range of many life saving products such as vaccines, antibiotics and antibodies etc. In the matter of environment, biotechnology has brought many improvements in water and land conservation techniques and has helped reduce pollution.

What is Biotechnology?

A typical Biotechnology course at graduation level covers applied microbiology, bio-crystalllography, biochemistry, bio-molecular modelling, bio-photonics, bioinformatics, bioprocess engineering, laboratory biotechnology, cell and development biology, structural biology, separation and analysis of biochemical elements, chemical genetics and drug discovery, cell and tissue culture, chemical kinetics and drug design, clinical proteomics, computer applications and programming, gene regulation and genetic engineering, genetically modified organisms, molecular diagnostic and therapeutic biotechnology, enzymology, immunology, molecular biophysics, microbiology, nano biotechnology, plant system physiology, viruses and human diseases, vaccine development and production etc. Specialised branches will be focussing on the particular branch in addition to coverage of common topics. Biotechnology is divided into three segments. The one dealing with medical processes is covered under red biotech

Creating antibiotics by use of organisms is a case of red biotech. Green biotech is related to agricultural processes. Developing transgenic plants is considered as an example of this. Blue biotech is applicable to marine and aquatic products. Depending on applications different branches of biotechnology have been developed. Students have option to take up a generalised course in the subject or pursue specialization in a particular branch. Some of the branches are:

Agricultural Biotechnology; Industrial Biotechnology; Industrial Biotechnology is used to produce and process products which can help conserve natural resources like energy, textile, chemical and pharmaceutical products make heavy use of industrial biotechnology. This branch of biotechnology is also used in waste management which involves creating useful resources from waste.

Food Biotechnology; Food Biotechnology has helped to produce

Continued on page 2

Continued on page 4
CELEBRATING THE...  
Continued from page 1

Awareness, supporting action, and driving change. Here is a glimpse of themes and recent history of WEDs.

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Year</th>
<th>Theme/Slogan</th>
<th>Host Nation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2020</td>
<td>&quot;Celebrate Biodiversity!&quot;</td>
<td>Colombia &amp; Germany</td>
</tr>
<tr>
<td>2</td>
<td>2019</td>
<td>Air Pollution</td>
<td>China</td>
</tr>
<tr>
<td>3</td>
<td>2018</td>
<td>Best Plastic Pollution</td>
<td>India</td>
</tr>
<tr>
<td>4</td>
<td>2017</td>
<td>Connecting People to Nature - in the city and on the land, from the poles to the equator</td>
<td>Canada</td>
</tr>
<tr>
<td>5</td>
<td>2016</td>
<td>&quot;Go wild for life!&quot; Edition of the WED aims to reduce and prevent the illegal trade in wildlife.</td>
<td>Angola</td>
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<tr>
<td>6</td>
<td>2015</td>
<td>&quot;Seven Billion Dreams. One Planet. Consume with Care.&quot;</td>
<td>Barbados</td>
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<tr>
<td>7</td>
<td>2014</td>
<td>International Year of Small Island Developing States (SIDS), Slogan: &quot;Raise your voice not the sea level&quot;</td>
<td>Mongolia</td>
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<tr>
<td>8</td>
<td>2013</td>
<td>Think. Eat. Save.</td>
<td>Brazil</td>
</tr>
<tr>
<td>9</td>
<td>2012</td>
<td>Green Economy</td>
<td>India</td>
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<tr>
<td>10</td>
<td>2011</td>
<td>Forests-Nature At Your Service</td>
<td>Rwanda</td>
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<tr>
<td>11</td>
<td>2010</td>
<td>&quot;Many Species. One Planet. One Future!&quot;</td>
<td>Mexico</td>
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<tr>
<td>12</td>
<td>2009</td>
<td>&quot;Your Planet Needs You - UNite to Combat Climate Change&quot;</td>
<td>New Zealand</td>
</tr>
<tr>
<td>13</td>
<td>2008</td>
<td>&quot;CO2: Kick the Habit Towards a Low Carbon Economy.&quot;</td>
<td>Norway</td>
</tr>
<tr>
<td>14</td>
<td>2007</td>
<td>&quot;Melting Ice - a Hot Topic?&quot;</td>
<td>Algeria</td>
</tr>
<tr>
<td>15</td>
<td>2006</td>
<td>Deserts and Desertification, Slogan: &quot;Don't desert drylands.&quot;</td>
<td>Lebanon</td>
</tr>
<tr>
<td>16</td>
<td>2005</td>
<td>&quot;Green Cities&quot; and the slogan was &quot;Plan for the Planet!&quot;</td>
<td>China</td>
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<tr>
<td>17</td>
<td>2004</td>
<td>&quot;Wated Seas and Oceans - Dead or alive?&quot;</td>
<td>Nelly &amp; Cuba</td>
</tr>
<tr>
<td>18</td>
<td>2003</td>
<td>&quot;Wasted. 2 billion people are dying for it!&quot;</td>
<td>Russia</td>
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<tr>
<td>19</td>
<td>2002</td>
<td>&quot;Give Earth a Chance&quot;</td>
<td>Korea Republic</td>
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<tr>
<td>20</td>
<td>2001</td>
<td>Connect with the World wide web of life</td>
<td>Turkey</td>
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<tr>
<td>21</td>
<td>2000</td>
<td>The environment millennium - Time to act</td>
<td>South Africa</td>
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<tr>
<td>22</td>
<td>1999</td>
<td>Our Earth - Our Future - Just Save It!</td>
<td>United Kingdom</td>
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<tr>
<td>23</td>
<td>1998</td>
<td>For Life on Earth - Save Our Seas</td>
<td>United States</td>
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<tr>
<td>24</td>
<td>1997</td>
<td>For Life on Earth</td>
<td>Colombia</td>
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<td>25</td>
<td>1996</td>
<td>Our Earth, Our Habitat, Our Home</td>
<td>Bolivia</td>
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<td>26</td>
<td>1995</td>
<td>We the Peoples. United for the Global Environment</td>
<td>India</td>
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<td>27</td>
<td>1994</td>
<td>One Earth One Family</td>
<td>Kenya</td>
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<td>28</td>
<td>1993</td>
<td>Poverty and the Environment - Breaking the Violent Circle</td>
<td>Iran</td>
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<tr>
<td>29</td>
<td>1992</td>
<td>Only One Earth, Care and Share</td>
<td>Brazil</td>
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<td>30</td>
<td>1991</td>
<td>Climate Change. Need for Global Partnership</td>
<td>Iran</td>
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<tr>
<td>31</td>
<td>1990</td>
<td>Children and the Environment</td>
<td>Lebanon</td>
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<tr>
<td>32</td>
<td>1989</td>
<td>Global Warming - Global Warning</td>
<td>Netherlands</td>
</tr>
<tr>
<td>33</td>
<td>1988</td>
<td>When People Put the Environment First, DevelopmentWill Last</td>
<td>Thailand</td>
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<tr>
<td>34</td>
<td>1987</td>
<td>Environment and Shelter: More Than A Roof</td>
<td>Kenya</td>
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<tr>
<td>35</td>
<td>1986</td>
<td>A Tree for Peace</td>
<td>Canada</td>
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<tr>
<td>36</td>
<td>1985</td>
<td>Youth: Population and the Environment</td>
<td>Pakistan</td>
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<tr>
<td>37</td>
<td>1984</td>
<td>Desertiﬁcation</td>
<td>Bangladesh</td>
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<tr>
<td>38</td>
<td>1983</td>
<td>Managing and Disposing Hazardous Waste: A New High Energy</td>
<td>Bangladesh</td>
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<tr>
<td>39</td>
<td>1982</td>
<td>Ten Years After Stockholm (Removal of Environmental Concerns)</td>
<td>Bangladesh</td>
</tr>
<tr>
<td>40</td>
<td>1981</td>
<td>Ground Water; Toxic Chemicals in Human Food Chains</td>
<td>Bangladesh</td>
</tr>
<tr>
<td>41</td>
<td>1980</td>
<td>A New Challenge for the New Decade: Development Without Distinction</td>
<td>Bangladesh</td>
</tr>
<tr>
<td>42</td>
<td>1979</td>
<td>Only One Future for Our Children - Development Without Distinction</td>
<td>Bangladesh</td>
</tr>
<tr>
<td>43</td>
<td>1978</td>
<td>Development Without Distraction</td>
<td>Bangladesh</td>
</tr>
<tr>
<td>44</td>
<td>1977</td>
<td>Ozone Layer Environmental Concern; Lands Loss and Soil Degradation</td>
<td>Bangladesh</td>
</tr>
<tr>
<td>45</td>
<td>1976</td>
<td>Water: Vital Resource for Life</td>
<td>Canada</td>
</tr>
<tr>
<td>46</td>
<td>1975</td>
<td>Human Settlements</td>
<td>Canada</td>
</tr>
<tr>
<td>47</td>
<td>1974</td>
<td>Only one Earth during Expo '74</td>
<td>United States</td>
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WED 2020  
On the occasion of World Environment Day 2020, the government has announced implementation of the Nagar van scheme to develop 200 Urban Forests across the country in next five years with a renewed focus on people's participation and collaboration between Forest Department, Municipal bodies, NGOs, Corporates and local citizens. Ministry of Environment, Forest & Climate Change celebrated WED focusing on the theme declared by United Nation's Environment Programme (UNEP) and organise several events. In view of the prevalent situation due to COVID-19 pandemic the ministry held virtual celebrations of World Environment Day on this year's theme with focus on Nagar Van (Urban Forests).

Relaying a brochure on the best practices on Urban Forests and announcing the Nagar Van scheme, Union Environment Minister, Shri Prakash Javadekar said that these forests will work as lungs of the cities and will primarily be on the forest land in the City or any other vacant land offered by local urban local bodies. Stressing on this year's theme i.e. "Time for Nature" with special focus on biodiversity, Shri Javadekar said "thump rule is that if we protect nature, nature protects us".

A film was played during the Environment Day Celebrations today which narrates how the initiatives of Punakkar along with Forest Department and local body has converted 16.8 ha of a barren hill into green forests. Today, the forest is rich in biodiversity with 23 plant species, 26 bird species, 15 butterfly species, 10 reptiles and 3 mammal species. This Urban Forest project is now helping maintain ecological balance, serving both environmental and social needs. The Marie Urban Forest is now a role model for the rest of the country.

Stressing on this year's focus on Biodiversity the Environment Minister said, "India has 8 percent of the world's biodiversity, despite having many constraints like only 2.5% of the world's landmass, it has to carry 16% of human as well as cattle population and having only 4% of fresh water sources; the mega biodiversity that we have is the result of Indian ethos which is to be in sync with the nature."

Highlighting the Indian culture, Shri Javadekar said that "India is probably the only country where trees are worshipped, where animals, birds and reptiles are worshipped and this is the respect Indian society places for environment. We had a very important tradition of village forest since ages, now this new scheme of urban forest will fill up the gap because urban areas have Gardens but very rarely forests. With this activity of creating urban forest we will also create additional carbon sink.

India is endowed with rich biodiversity having several species of animals and plants and hosts 4 of the 35 global bio-diversity hotspots containing several endemic species. However, increasing population, deforestation, urbanisation and industrialisation have put our natural resources under tremendous pressure causing loss of biodiversity. Biodiversity is vital for survival of all life form on this planet and is a key to providing various ecological services. Biodiversity conservation has traditionally been considered confined to remote forest areas but with increasing urbanisation a need has arisen to save biodiversity in urban areas also. Urban Forest is the best way to bridge this gap. The Ministry of Environment, Forest & Climate Change has therefore, appropriately adopted Nagar van as the theme of WED celebrations 2020 to promote and conserve biodiversity in urban landscapes.

WED 2020 theme:
World Environment Day is one of the biggest days of recognition for encouraging people worldwide to save and protect our environment from different environmental challenges the world is facing today. The World Environment Day is also "People's Day" which is a day to do something to take care of our environment. It is an important platform for promoting the dimensions of environmental Sustainable Development Goals.

World Environment Day 2020 focused on Biodiversity and was hosted by Colombia in partnership with Germany. This year the theme of World Environment Day 2020 was "Celebrate Biodiversity. With 1 million species facing extinction, there has never been a more important time to focus on biodiversity."

Colombia is one of the largest "mega-diverse" nations in the world to hold 10% of the planet’s biodiversity. Since it is part of the Amazon rainforest, Colombia ranks first in bird and orchid species diversity and second in plants, butterflies, freshwater fish, and amphibians.

Ricardo Lozano, Colombia’s Minister for Environment and Sustainable Development, stated about the theme: "We are very happy to be the host country for World Environment Day 2020 with the theme ‘Biodiversity’. This year, the theme is more relevant than ever, as we face the serious challenge of preserving biodiversity.

Biodiversity is the variety and variability of life on Earth. Biodiversity is typically a measure of variation at the genetic, species, and ecosystem level. Terrestrial biodiversity is usually greater near the equator, which is the result of the wetter climate and high primary productivity. Biodiversity is not distributed evenly on Earth, and is richest in the tropics. These tropical forest ecosystems cover less than 10 percent of earth's surface, and contain about 90 percent of the world's species. Marine biodiversity is usually highest along coasts in the Western Pacific, where sea surface temperature is highest, and in the mid-latitude band in all oceans. These latitudinal gradients in species diversity. Biodiversity generally tends to cluster in hotspots, and has been increasing through time, but will be likely to slow in the future."

Rapid environmental changes typically cause mass extinctions. More than 99.9...
CELEBRATING THE ...

Continued from page 2

percent of all species that ever lived on Earth, amounting to over five billion species, are estimated to be extinct. Estimates on the number of Earth's current species range from 10 million to 14 million, of which about 1.2 million have been documented and over 60 percent have not yet been described. More recently, in May 2016, scientists reported that 1 trillion species are estimated to be on Earth currently with only one-thousandth of one percent described. The total amount of related DNA base pairs on Earth is estimated at 5.0 x 10^37 and weighs 56 billion tonnes. In comparison, the total mass of the biosphere has been estimated to be as much as 10^17 trillion (10^24) years old.

Why should we care about Biodiversity?

Biodiversity is the variation of Earth's terrestrial, freshwater, and marine species, as well as their habitats. Biodiversity is vital to the survival of all life on earth and is also the cornerstone for the goods and services of the environment that allow human societies to thrive. Biodiversity provides us with food, water, and resources as well as services such as climate control, pollination, food production, and cycling of nutrients. Ecosystems are relying on all parts from the smallest bacteria to the largest vertebrate. It's all interconnected. Some species are producing oxygen that others are breathing. Some provide food for larger species, which in turn become prey to even larger species. Every living organism has a role to play in the maintenance of balance. You can ultimately lose much more than one species by removing one element. More than 93% of the species in nature are extinct.

Biodiversity comprises three primary types: species diversity (genetic diversity), species diversity (annual diversity) and habitats diversity (ecosystem diversity).

Ecological services and biodiversity:

Biodiversity supports many ecosystem services:

- There is now unequivocal evidence that biodiversity loss reduces the efficiency by which ecological communities capture biologically essential resources, produce biomass, decompose and recycle biologically essential nutrients... There is mounting evidence that biodiversity increases the stability of ecosystem functions through time. Diverse communities are more productive because they contain key species that have a large influence on productivity and differences in functional traits among species increase total resource capture... The impacts of species loss on ecological processes might be sufficiently large to rival the impacts of many other global drivers of environmental change... Maintaining processes at multiple scales and times requires higher levels of biodiversity than does a single process at a single scale and time.

It plays a part in regulating the chemistry of our atmosphere and water supply. Biodiversity is directly involved in water purification, recycling nutrients, and providing fertile soils. Experiments with controlled environments have shown that humans cannot easily build ecosystems to support human needs; for example, insect pollination cannot be mimicked, though there have been attempts to create artificial pollinators using unmanned aerial vehicles.

Conservation:

Conservation biology matured in the mid-20th century as ecologists, naturalists and other scientists began to research and address issues pertaining to global biodiversity declines.

The conservation ethic advocates management of natural resources for the purpose of sustaining biodiversity in species, ecosystems, the evolutionary process and human culture and society. Conservation biology is reforming around strategic plans to protect biodiversity. Preserving global biodiversity is a priority in strategic conservation plans that are designed to engage public policy and accommodate affecting local, regional and global scales of communities, ecosystems and cultures. Action plans identify ways of sustaining human well-being, employing natural capital, market capital and ecosystem services.

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Views expressed are personal

Image Courtesy: Google
CAREER OPPORTUNITIES

nutritious food at lesser cost. Food that takes lesser land and water to produce is a major theme in food biotechnology. This technology is also used in preserving food, increasing its shelf life and making food more nutritious. As demand for organic food items is picking up, this branch of biotech is capturing more attention.

Animal Biotechnology: This branch of biotechnology deals with animal reproduction, genetic modification in animals and their cloning, animal diseases and medicine, increasing productivity of farm animals, animal vaccines and animal health. Animal Biotechnology has made significant contribution in farm production across the world.

Available courses:

- **B.Sc.**
  - Integrated courses (BB MN/Sc. in Biotechnology, B.Tech in Biotechnology) in which graduate and post-graduation are combined together.
- **Ph.D. and post-doctoral courses**

Admission tests in Biotechnology:

- For admission to undergraduate courses at IITs, NITs and other centrally funded technical institutions, aspirants have to appear in Joint Entrance Examination (JEE) now conducted by the National Testing Agency (NTA).
- For studying Biotechnology at postgraduate and doctorate level at certain IITs, the candidates are required to qualify in Joint Admission Test (JAM) conducted on behalf of IITs.

Examination for entry to Biotechnology courses (all levels) at agricultural universities as enlisted by the Indian Council of Agricultural Research, National Testing Agency (NTA) conducts a test on behalf of the council.

**ISEER Aptitude Test for those seeking admission to B.Tech course at various centres of Indian Institute of Science Education and Research.

**Jawaharlal Nehru University, New Delhi** now organises the competitive examination (JNUEE) through NTA to select candidates for admission to various courses at JNU including courses in biotechnology.

A number of private universities and engineering colleges have their own independent selection process.

Where to study:

For undergraduate courses, options available are degrees in the forms of B.Sc. in Biotechnology at IITs and in B.Tech in biotechnology in IITs and B.Sc course usually takes 3 years and B.E or B.Tech course may be completed in 4 years. While a B.Sc. with biotechnology is widely available at universities and affiliated colleges, B.E or B.Tech in biotechnology is mostly offered at technologically institutes. IIT, Delhi Kharagpur has a B.Tech. course in biotech and biochemical engineering. IIT, Roorkee offers B.Tech in biotechnology. Delhi Technological University, National Institute of Technology (NITs) with centres at Warangal, Calicut, Jalandhar, Raipur, Rourkela, Ravangla(Shillong), Ypula(Arunachal Pradesh), and Government College of Technology, Coimbatore have a B.E course in Industrial Biotechnology.

Anna University, Chennai has B.Tech. programmes in Industrial Food Biotechnology, Pharmaceutical Technology and M.Sc. in Computer Biotechnology. And many other IITs conduct M.Sc in biotechnology and M.Sc. Ph.D. dual degree programmes. Many agricultural universities including Central agricultural universities have courses in biotechnology. NIT, Surathkal and few other NITs. Delhi Technological University, Manipal Academy of Higher Education have M.Sc. M.Tech in Biotechnology.

Indian Institute of Science Education and Research (IISER) with branches at Berhampur, Bhopal, Kolkata, Mohali, Pune, Thiruvananthapuram, Tirupatrikottu 6 years integrated BB-M Bio programme in biotechnology. Many more centres offer undergraduate and postgraduate courses in Biotechnology. Some of these are named above:

- Devi Ahilya Vishwavidyalaya, Indore
- Gujarat University of Agriculture & Technology, Panipat
- Guru Nanak Dev University, Amritsar
- T.N. Agriculture University, Coimbatore
- Goa University
- University of Hyderabad
- Pondicherry University
- Banaras Hindu University, Varanasi
- Aligarh Muslim University, Aligarh
- Punjabi University, Patiala
- University of North Bengal, Siliguri
- University of Kashmir, Srinagar
- Kuruppu University, Thiruvananthapuram
- University of Kanyakumari, Tamil Nadu
- North-Eastern Hill University, Shillong
- Rajiv Gandhi University, Cuttack
- Gujarat University, Ahmedabad
- H.C. Nandan National Institute of Agricultural Technology, Bangalore
- National Institute of Biotechnology, Srinagar
- National Institute of Food Biotechnology, Mohali, Punjab
- International Centre for Genetic Engineering and Biotechnology, New Delhi
- Biotechnology Industry Research Council (BIRC), New Delhi is actively involved in promoting and coordinating research in Biotechnology.

Public Sector Undertakings such as Indian Seed Corporation, Indian Seeds Limited, and Delhi and Bhar International and Biological Corporation, Bulandshahr are two major ventures using biotechnology for health research.

Currently, there is limited data on specific training and specialisation.

Research:

Council of Scientific and Industrial Research with Biotechnology Department of Science and Technology and others. Research in biotechnology is also being pursued at multiple centres of Indian Institute of Technology (IITs). Biotechnology offers extensive research opportunities at various universities and institutes. DBT-JRF Programme is providing fellowship to students for conducting research at universities and various research institutions across the country. Selection is made through ISER, IITs, NITs and various other institutions. A research qualification (Ph.D.) improves your chances of getting an academic role at a premier institute.

**Jobs in manufacturing:**

Biotechnologist may find industrial production related jobs in various industries. In India, the prospects of jobs are as follows:

- Industrial waste management
- Water treatment plants
- Bio-fertilizer manufacturing
- Environmental protection
- Bio-based products development
- Agrochemicals

**Academies:**

As biotechnology and related sciences are taught at large number of Indian and foreign universities, there is an opportunity for teaching career too. In India, a number of universities have awarded Ph.D. degrees in biotechnology.

Current research includes gene therapy, cloning, stem cell research, biopharmaceuticals, and agricultural biotechnology. There is a need for trained professionals in these areas.

**Government:**

The government of India has set up several research institutions and universities, including the Indian Institute of Technology, New Delhi, and the Indian Institute of Science, Bangalore, which conduct research in biotechnology.

**Private sector:**

Private sector companies are also investing in biotechnology research and development. Companies like Genentech, Amgen, and Roche are leaders in the field.

**Start-ups:**

Biotechnology start-ups are on the rise in India. Some of the notable start-ups include Biocon, Dr. Reddy's Laboratories, and Wockhardt.

**International collaboration:**

India is actively involved in international collaborations with countries like the United States, the United Kingdom, and China. This collaboration helps in sharing knowledge and resources.

**Future prospects:**

As the population continues to grow, there will be an increased need for food production. Biotechnology can play a significant role in this area.

**Future research opportunities:**

India has a significant potential for research in biotechnology, particularly in areas like genomics, biopharmaceuticals, and agricultural biotechnology.
India has commended the United States forfieutre to expand the G-7 grouping to include important countries excluding itself. An official release said, Prime Minister Narendra Modi had held a telephone conversation on 2nd June with the US President, Mr. Trump conveyed his desire to expand the ambit of the grouping beyond the existing membership, to include other important countries including India. He also extended an invitation to Prime Minister Joe Biden to visit the USA. Prime Minister Modi commended President Trump for his creative and far-sighted approach, acknowledging the fact that such an expanded forum would be keeping with the emerging realities of the post-COVID world. Prime Minister Modi said that India would be glad to host the US and other countries to achieve the success of this proposed Summit. The two leaders also exchanged views on other topical issues, such as the COVID-19 situation in the two countries, the situation on the India-China border, and the need for reforms in the World Health Organisation.

India has pledged $5 million dollars to GAVI, the international alliance for vaccines and health products, Prime Minister Narendra Modi announced this while addressing the virtual Global Vaccine Summit being held in the US on 4th June. Over 50 countries—business leaders, UN agencies, civil society, government Ministries, and Heads of State participated in the Summit. In his address, Prime Minister Modi said India stands in solidarity with the world in these challenging times. He said, India's civilization teaches that the world is one family and that during this pandemic, the country had tried to live for others. He said that India shared the country's available stocks of medicines with over 120 countries. He said this was done for fostering a common response strategy in its immediate neighborhood and by providing specific support to countries that sought it, while also protecting India's own vast population.

As on 5th June, the recovery rate of COVID-19 cases has improved to around 48% in the country. A total of 3,904 people affected by COVID-19 have recovered during the last 24 hours. So far over 1,04,000 cases have been cured. Presently, there are 1,09,737 active cases and all are under active medical supervision. Indian Council of Medical Research (ICMR) has further ramped up the testing capacity for detecting the novel coronavirus in infected persons. The number of government labs has been increased to 488 and private labs have been increased to 212. As many as 1,39,485 samples have been tested in the last 24 hours. The total number of samples tested thus far is over 42,40,000.

Air India opens bookings from 5 PM of 5th June for 75 additional flights to destinations in US and Canada under the third phase of Vande Bharat Mission. These destinations include New York, Newark, Chicago, Washington, San Francisco, Vancouver, and Toronto. Civil Aviation Minister Hardeep Singh Puri said, the flights will operate between 5th to 30th of this month. He said, those who wish to travel to the US and Canada and fulfill entry conditions can book themselves on these outbound flights. The Minister said, some foreign airlines have already cancelled all flights to India and are planning to operate more flights. He said, these flights will also take foreign nationals. Indians continue to return home on Vande Bharat flights from different parts of the world. On 3rd June, 2716 people returned from Dubai, Abu Dhabi, Doha, Muscat, Moscow, Jeddah and Kiev.

Government will start sending the monthly amount of 300 rupees to the women account holders of Pradhan Mantri Jan Dhan Yojana (PMJDY), starting 5th June, it has been announced. The Department of Financial Services said, beneficiaries can withdraw the amount on any day after 10th June, the amount will be sent as per time table based on the last digit of the beneficiary's account number. 10,029 crore rupees were credited to 20,05 crore women Jan Dhan account holders as the first installment. The number of women PMJDY account holders whose accounts have been debited by customer initiated transactions under 1st installment is 8,72 crore. 10,315 crore rupees were credited to 20,82 crore women Jan Dhan account holders with second installment.

France reaffirmed its commitment to ensure timely delivery of Rafale Aircraft to India despite the challenges posed by the COVID-19 pandemic. French Minister of Armed Forces, Mr. Florence Parly assured the Defence minister Rajnath Singh of the delivery during a telephonic conversation. Both the leaders discussed matters of mutual concern including COVID-19 situation, regional security and agreed to strengthen the Bilateral Defence Cooperation between India and France. On the occasion, French Defence Minister Florence Parly, during a media interaction with the Indian Defence Minister, asserted that India and France have a strategic relationship and that the two countries will continue to work together for the benefit of their people.

The Union Cabinet has approved a historic amendment to the Essential Commodities Act. This is a visionary step towards transformation of agriculture and raising farmers' income. Briefing the media after the Cabinet meeting in New Delhi, Information and Broadcasting Minister Prakash Javadekar said, with the amendment, the list of essential commodities has been increased. The list includes essential commodities like cereals, pulses, oil seeds, edible oils, onion, potato and tomatoes have been removed from the list of essential commodities. He said, the decision will ensure better price for farmers' produce and also remove fears of private investors of excessive regulatory inter-
Excavating New Opportunities... Come Join Us!

NTPC Limited, India's largest power utility with an installed capacity of 62,110 MW, is commencing with its growth challenges. NTPC has embarked on an ambitious plan to be a 130 GW company by 2022. NTPC has already allocated 10 coal mine blocks which are expected to produce more than 100 million tonnes per annum.

To fuel its ambitious growth plans, NTPC is looking for experienced senior professionals in the area of Mining on fixed term basis for a period of 03 years.

A. Head of Excavation (1 post)
Qualification: Engineering Degree in Mechanical/ Mining Machinery from recognized Indian University/Institute.
Experience Profile: Should have experience of handling HEMM in large Open Coal Mine of 6 MTY or more.
Experience: Should have experience of handling HEMM in large Open Coal Mine of 6 MTY or more.
Experience: Should have experience of handling HEMM in large Open Coal Mine of 6 MTY or more.
Experience Requirement: 10 years post qualification executive experience in relevant area.
Upper Age Limit: 52 years

B. Executive (Excavation) (1 post)
Qualification: Engineering Degree in Mechanical/ Mining Machinery from recognized Indian University/Institute.
Experience Profile: Should have experience of handling HEMM in large Open Coal Mine of 6 MTY or more.
Experience: Should have experience of handling HEMM in large Open Coal Mine of 6 MTY or more.
Experience: Should have experience of handling HEMM in large Open Coal Mine of 6 MTY or more.
Experience Requirement: 10 years post qualification executive experience in relevant area.
Upper Age Limit: 47 years

C. Executive (Mine Planning-RQP) (2 posts)
Qualification: Diploma in Civil/Mining/ Mines Survey. Holder of valid Mine Surveyor Certificate of Competency of DGMS for Coal under CML 2017/ CJMR 1957, Knowledge of computer, AutoCAD, LDOT (Land Development Desktop), 3D Modeling, Mining Software etc. are desirable.
Experience Profile: Should have experience in the field of mine surveying, fully conversant with modern equipment like Total Station Instrument, EDM, Disto, Theodolite, Auto Set Level, Dumpy Level etc. for accurate survey and leveling. Working experience in preparation and maintenance of mine plans, sections, tracing and statutory requirements under CML 1957/2017 and submission of statutory reports are required under CML 1957/2017 etc. Experience in large mechanized open cast coal mine is desirable.
Experience Requirement: 14 years post qualification experience (statutory) in relevant area, out of which 14 years must be experience in Executive cadre.
Upper Age Limit: 47 years

D. Head of Mine Surveyor (1 post)
Qualification: Diploma in Mine Surveying. Holder of valid Mine Surveyor Certificate of Competency of DGMS for Coal under CML 2017/ CJMR 1957, Knowledge of computer, AutoCAD, LDOT (Land Development Desktop), 3D Modeling, Mining Software etc. are desirable.
Experience Profile: Working experience in the field of mine surveying, fully conversant with modern equipment like Total Station Instrument, EDM, Disto, Theodolite, Auto Set Level, Dumpy Level etc. for accurate survey and leveling. Working experience in preparation and maintenance of mine plans, sections, tracing and statutory requirements under CML 1957/2017 and submission of statutory reports are required under CML 1957/2017 etc. Experience in large mechanized open cast coal mine is desirable.
Experience Requirement: 20 years post qualification experience (statutory) in relevant area, out of which 14 years must be experience in Executive cadre.
Upper Age Limit: 47 years

E. Asst. Mine Surveyor/ Mine Surveyor (18 Posts)
Qualification: Diploma in Civil/Mining/ Mines Survey. Holder of valid Mine Surveyor Certificate of Competency of DGMS for Coal under CML 2017/ CJMR 1957, Knowledge of computer, AutoCAD, LDOT (Land Development Desktop), 3D Modeling, Mining Software etc. are desirable.
Experience Profile: Working experience in the field of mine surveying, fully conversant with modern equipment like Total Station Instrument, EDM, Disto, Theodolite, Auto Set Level, Dumpy Level etc. for accurate survey and leveling. Working experience in preparation and maintenance of mine plans, sections, tracing and statutory requirements under CML 1957/2017 and submission of statutory reports are required under CML 1957/2017 etc. Experience in large mechanized open cast coal mine is desirable.
For Mine Surveyor: 10 years post qualification experience (statutory) in Non Executive/ Executive cadre in relevant area.
Upper Age Limit: 37 years for Asst Mine Surveyor & 42 years for Mine Surveyor.

MONTHLY COMPENSATION:
Head of Excavation: Consolidated fixed monthly pay of Rs. 2,27,000/-
Executive (Excavation): Consolidated fixed monthly pay of Rs. 1,70,000/-
Executive (Mine Planning-RQP): Consolidated fixed monthly pay of Rs. 1,80,000/-
Head of Mine Surveyor: Consolidated fixed monthly pay of Rs. 1,89,000/-
Asst Mine Surveyor: Consolidated fixed monthly pay of Rs. 75,000/-
Mine Surveyor: Consolidated fixed monthly pay of Rs. 78,000/-

In addition, medical facilities and HRA/ company accommodation shall be provided. On official tour, company will reimburse boarding and lodging in addition to airfare.

Period of Engagement: Fixed Term Basis for a period of 3 years for all posts.

RESERVATIONS

<table>
<thead>
<tr>
<th>Name of the Post</th>
<th>SC</th>
<th>ST</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head of Excavation</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Executive (Mine Planning-RQP)</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Head of Mine Surveyor</td>
<td>01</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Asst. Mine Surveyor/ Mine Surveyor</td>
<td>11</td>
<td>04</td>
<td>18</td>
</tr>
</tbody>
</table>

Vacancy for EWS candidates is as per Govt. Guidelines subject to final outcome of Hon’ble SC order.

GENERAL CONDITIONS
1. Only Indian Nationals are eligible to apply.
2. All qualifications should be from Universities/ Institutions recognized and approved in India.
3. All computations of age/experience requirement / qualification shall be done w.r.t. the last date of receipt of applications as mentioned in the advertisement.
4. Candidates claiming to belong to any particular category shall necessarily have OBC/SC/ST/EWS/disability certificate, as the case may be, from a Competent Authority. Upper age is relaxable by 5 years for SC/ST candidates, by 3 years for other Backward Classes, by 10 years for PwBD candidates, by 5 years for candidates who had ordinarily been domiciled in the State of Jammu & Kashmir during the period 01/01/1947 to 31/12/1989. Relaxation of age for Ex-Servicemen as per Govt. Notification.
5. For SC/ST candidates, the total years of post-qualification experience will be relaxed by 1 year, where experience requirement is 5 years and relaxed by 2 years, where experience requirement is more than 5 years. The above relaxations will be extended in vacancies identified for SC/ST/ OBC (non-cream layer).
6. Depending on the requirement, the Company reserves the right to cancel/restrict/curtail the number of vacancies, if need arises, without any further notice and without assigning any reason thereof.
7. While applying for the post, the applicant should ensure that he/she fulfills the eligibility and other norms mentioned above, as on the stipulated date and that the particulars furnished are correct in all respects. In case, if any discrepancy is detected at any stage of recruitment that a candidate does not fulfill the eligibility norms and/or that he/she has furnished any incorrect information, his/her candidature shall stand automatically canceled.
8. In case any ambiguity/dispute arises on account of interpretation in versions other than English, the English Version will prevail.

HOW TO APPLY
Interested candidates should log on to our website www.ntpcindia.co.in for applying. No other means/ mode of application shall be accepted. Candidates are required to possess a valid email ID. NTPC will not be responsible for bounces back of any email sent to the candidates.

Payment in offline mode: State Bank of India has been authorized to collect the registration fee, in a specially opened account (AC No. 399879199993) at CAG Branch, New Delhi (Code: 05996), on behalf of NTPC. Candidates have to approach the nearest SBI branch with a printout of the “pay-in-slip” which is available on the registration application portal. The pay-in-slip printed from the portal should only be used for payment of fee for proper consideration in the allotted account. On receipt of the money, the bank will issue a unique Journal Number and a Branch Code of the bank collecting the money. This journal number and the branch code are to be filled up by the candidate during online registration. NTPC will not be responsible, in case a candidate deposits the fee in wrong account.

Payment in online mode: Candidate also has the option to pay the fees online through net banking/ debit card/ credit card. The online payment option will be available in website. The candidate is required to make the payment before proceeding for online application. After making successful payment, the Challan number, Bank Reference Number and the date of payment are required to be filled up in online application form. Fee once paid will not be refunded under any circumstances. Candidates are therefore requested to verify their eligibility criteria before paying the registration fee. After applying online, candidate is required to download the registration slip generated by the system with unique registration number. Copy of registration slip may be retained by the candidate for future reference. No document is required to be sent to us by post.

The candidate who has gone through the full text of the advertisement and agree to all the conditions given, while applying for the post.

Commenence of on-line registration of application 02.06.2020
Last date for on-line registration of application 22.06.2020

NTPC Limited
(A Government of India Enterprise)
Regd. Office: NTPC Bhawan, Connaught Place Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003
Cin: L40101DL1975GOI007906, Website: www.ntpco.in

Leading the Power Sector
**MINISTRY OF DEFENCE**

155 BASE HOSPITAL

1. Applications are invited from eligible Indian domicile candidates who are willing to serve anywhere in India for the following Group "C" post in Pay Matrix as noted against each post whose details and qualifications are as under:

<table>
<thead>
<tr>
<th>Name of Post</th>
<th>Essential Qualification</th>
<th>Age Limit</th>
<th>Pay Level</th>
<th>Pay Level</th>
<th>Qualification</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Lab Attendant</td>
<td>Lab Assistant in a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male or Female</td>
</tr>
<tr>
<td>b) Ward Sanitary Worker</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Female Only</td>
</tr>
<tr>
<td>c) Chowkidar</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>Male Only</td>
<td></td>
</tr>
<tr>
<td>d) Safaiwala</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>e) Barber</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>f) Washerman</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>g) Tailor</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>h) Tracksman Mate</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>i) Man</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>j) Carpenter</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>k) Pointers</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
<tr>
<td>l) Cook</td>
<td>Matriculation or equivalent from a recognized Board/University</td>
<td>18 years to 25 years</td>
<td>Pay Level 4</td>
<td>Rs. 25500/-</td>
<td>Matriculation or equivalent</td>
<td>Male Only</td>
</tr>
</tbody>
</table>

2. Age limit and its relaxation, who produce the valid certificate of caste category.

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**UNIVERSITY OF DELHI**

Advt. No. Estab.IV/288/2020

Dated: 04.03.2020

Online applications are invited in the prescribed Application Form from eligible candidates for appointment to the post of Finance Officer on Tenure/Deputation Basis. The post of Finance Officer carries Scale of Pay Level 14. The last date for receipt of application is within two weeks from the date of publication of advertisement in the Employment News. Details for the University website www.du.ac.in and click "Jobs and Opportunities" under the Head "Work with DU".

Any addendum/corrigendum shall be posted only on the University website.

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**FOOTWEAR DESIGN AND DEVELOPMENT INSTITUTE**

An institution of National Importance, under the aegis of Department of Commerce, Ministry of Commerce & Industry, Government of India

A-10/A, Sector-24, Noida, Uttar Pradesh-201 301

Subject: Extension of last date of submission of application for the post of Director, Footwear Design and Development Institute (FDDI)


In view of COVID-19 breakout and subsequent lockdown across the country, the last date of receipt of online application is extended till 30.06.2020.

Other details would remain the same as in the "Vacancy Notice" published in "Employment News" dated 8th February, 2020 to 14th February, 2020.

This issue with the approval of competent authority.

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**CANTONMENT BOARD AMBALA**

EMPLOYMENT NOTICE

Due to administrative reasons the Employment Notice for "DIRECT RECRUITMENT FOR THE POST OF SAFAIWALA APPLICATION THROUGH ONLINE SYSTEM ONLY BY USING WEBSITE/PORTAL : www.canttboardrecruit.org" published in Employment News dated 14-20 March, 2020 on page No. 20 is hereby cancelled. The fresh employment notice for the same will be published later.

Chief Executive Officer, Cantt. Board, Ambala
GOVERNMENT OF INDIA
MINISTRY OF DEVELOPMENT OF N. E. REGION
NORTH EASTERN COUNCIL SECRETARIAT
NONGRIM HILLS, SHILLONG-793003
No. NEC/ADM/3/80 Vol.VI

The North Eastern Council Secretariat is looking for the services of suitable officers for filling up 1 (One) post of Director (Human Resource Development and Employment) on Deputation (including Short-term Contract). For Armed Forces Personnel: Deputation or Re-employment.

1. (a) Name of the post: Director (Human Resource Development and Employment) on Deputation (including Short-term Contract).
(b) No. of post: 1 (one)
(c) Scale of pay: Rs. 12,900-37,500+5th CPC/PAR-3 Rs. 15,600-40,000+6th CPC/RP-2 G.P. Rs. 7,600+7th CPC).

2. (a) Method of Recruitment and Eligibility Criteria: Deputation (including Short-term contract)
(b) Appointment: For Armed Forces Personnel: Deputation or Re-employment: Officers under the Central Government or State Governments or Union Territories or Public Sector Undertakings or Universities or Recognised Research Institutions or Statutory Authorisations.
(c) Note: (i) Applicant should be a regular employee of the Central Government.
(ii) Preference will be given to candidates with experience in human resource development and employment.
(iii) The applicant should be a permanent resident of the North Eastern Region.
(iv) The applicant should have a valid transfer certificate issued by the appointing authority.
(v) The applicant should have a valid appointment order for the post.
(vi) The applicant should have a valid appointment order for the post.

3. (a) Method of Application: Online
(b) Application form: Available on the website of the North Eastern Council Secretariat.
(c) Last date for submission of application: 30th June, 2020.

4. (a) Procedure: Online application form should be filled in the prescribed format.
(b) Application fee: Rs. 500/- ( Non-Refundable).
(c) Application should be submitted along with the recent passport size photograph and signature.
(d) Application should be submitted along with the recent passport size photograph and signature.
(e) Application should be submitted along with the recent passport size photograph and signature.

Note: The candidate who applied for the post will not be allowed to withdraw their candidature subsequently.

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Annexure-I

1. (a) Name of the post: Director (Human Resource Development and Employment) on Deputation (including Short-term Contract).
(b) No. of post: 1 (one)
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(ii) Preference will be given to candidates with experience in human resource development and employment.
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(c) Application should be submitted along with the recent passport size photograph and signature.
(d) Application should be submitted along with the recent passport size photograph and signature.
(e) Application should be submitted along with the recent passport size photograph and signature.

Note: The candidate who applied for the post will not be allowed to withdraw their candidature subsequently.
Indian Institute of Corporate Affairs

Indian Institute of Corporate Affairs, an autonomous body under Ministry of Corporate Affairs hereby invites applications for filling up various posts on deputation / purely contract basis. Details of the positions are as follows:

1. Associate Professor - School of Competition Law & Market Regulation (1 nos.)
   Qualifications for appointment on deputation:
   Essential: 2:58 years of service in the Grade Pay of Rs.6000/7000/6000 [Revised Academic Pay Levels 12/11/10] respectively rendered after appointment thereon on a regular basis preferably with experience in training programs.
   Desirable: Publications of research papers in national or international journals and experience of conducting sponsored research projects/training programs.
   Qualifications for Contractual engagement:
   Ph.D with 55% in the preceding degree or equivalent in the relevant field.
   Essential: 8 years’ experience in teaching at graduate/ post graduate or in industry in the field or related discipline.
   Desirable: Publications of research papers in national or international journals and experience of conducting sponsored research projects/training programs.

2. Assistant Professor - Business Environment, Assistant Professor - Corporate Law and Assistant Professor - Corporate Governance & Public Policy (3 nos.)
   Qualifications for appointment on deputation:
   Essential: 2 years of service in the Grade Pay of Rs.6000 [Revised Academic Pay Level 10] rendered after appointment thereon on a regular basis preferably with experience in training programs.
   Desirable: Publications of research papers in national or international journals and experience of conducting sponsored research projects/training programs.
   On Contract:
   Ph.D. with 55% in the preceding degree or equivalent in the relevant field.
   Essential: 3 years’ experience in teaching at graduate/ post graduate or in industry in the field or related discipline.
   Desirable: Publications of research papers in national or international journals and experience of conducting sponsored research projects/training programs.

Age Limit:
Deputation - 55 years
Contract - less than 70 years.

申请者可在线下载ICA网站的ICNrc.net和in.net，申请者需提供个人简历、工作经验和学术背景。

ADBOND - 1

Ref: Employment Notification No. 01/2019-20 dt.21.06.2019 which appeared in Employment News 6-12 July 2019 EN 14/76 Pg 03 & Corrigendum issued vide Employment News 21 July-02 August 2019 EN 17/13
1. In partial modification of this notification cited above, the following has been revised/relaxed in qualification and experience:

Sl. No.   Post               Pay Matrix as per 7th CPC (UGC Pay scale) in case of Deputation   Consolidated pay/bus in case of permanent contractual basis (Rs.)
1        Associate Professor - School of Competition Law & Market Regulation - Level 13A (Rs. 131,400-2,17,100) UGC norms - 1,40,000 - 1,22,000
2        Assistant Professor - School of Corporate Law/Assistant Professor - School of Corporate Governance/Assistant Professor - School of Business Environment - Level 11 (Rs. 60,000-2,05,500) UGC norms - 80,000 - 1,22,000

2. Last date for determining eligibility with respect to educational qualification & post qualification experience for the above post will be 30.06.2020. However, cut-off date w.r.t. Age shall remain unchanged i.e. 01.07.2019
3. Candidates are advised to enclose an Organizational hierarchy indicating his/her present level/position in the organization
4. Last date for receipt of applications is 17.00 hrs on 30.06.2020
5. Candidates who had already applied for the post of GM (HR & Admin) (Post Code 02) in response to our Advertisement No.01/2019-20 dt.21.06.2019 need not apply again. Candidature will be considered provided they are meeting all the conditions of the advertisement including the revised conditions.
6. The other contents stipulated in the above said notification vide Advertisement No.01/2019-20 dt.21.06.2019 remain unchanged and is available in the BNPM website www.bnmpindia.com.

RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY
An Autonomous National Institute, Government of India
Department of Biotechnology, Ministry of Science & Technology
Thiruvananthapuram - 695 014
Phone: 0471 - 2526400, www.rgcbs.in

Positions (Under Disabilities, Act 2016)

Applications are invited from qualified Indian citizens, under the provisions of Rights of Persons with Disabilities Act, 2016. Complete details regarding the positions, individual reservations and application format are posted on the institute website, www.rgcbs.in.

I. MANAS
   (Technical Service - Computer and Information Systems)
II. TECHNICAL ASSISTANT GROUP II
   (Upper Division Clerk)
   (Multi Tasking Staff)

The Director, RGCB reserves the right not to fill any or all positions advertised. Incomplete applications or applications without copies of certificates or applications received after the last date will be rejected. Applications in prescribed format along with attested copies of all necessary certificates may be submitted by post to the Director, RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY, POJAPURU, THIRUVANANTHAPURAM 695014 or by e-mail to jobs2020@rgcbs.in on or before June 12, 2020. Applications sent by post must have on the envelope, the names of the position applied for.

28th July 2020 by 1730 Hours
Applications may be sent in a sealed cover super scripted "APPLICATION FOR THE POST OF (Advisor, Technical), NERET OR DEPUTY (INCLUDING SHORTTERM CONTRACT) ABSORPTION" and addressed to the Director, General, North East Centre for Technology Application and Reach, II Floor, Vishvakarma Bhawan, Shahdeo Jeet Singh Marg, New Delhi-110016.

EN 4/11

EN 4/23
No. 25/2/2020-R & R
Government of India
Ministry of Power
Shram Shakti Bhavan, Rafi Marg
New Delhi, 26th May, 2020

VACANCY CIRCULAR

The Central Electricity Regulatory Commission (CERC) was set up by the Government of India at New Delhi under the provisions of the Electricity Regulatory Commissions Act, 1998. CERC is deemed to have the status and privileges acceding to it, and also the Right to appearance before it, under the provisions of the Electricity Regulatory Commissions Act, 1998. The Commission consists of the Chairperson and three other Members (and also Chairperson, Central Electricity Authority as ex-officio Member of the Commission). The post of Chairperson, CERC will fall vacant on 01.02.2021. It is proposed to fill up the said vacancy.

1. Appointment to the post of Chairperson, CERC is governed by the relevant provision of the Electricity Act and the Central Electricity Regulatory Commission (Salaries, Allowances and other Conditions of Service of Chairperson and Members) Rules, 2004, the Central Electricity Regulatory Commission (Salaries, allowances and other conditions of service of Chairperson and Members) Amendment Rules 2010 and Central Electricity Regulatory Commission (Salaries, allowances and other conditions of service of Chairperson and Members) Amendment Rules 2018. Chairperson, CERC is presently entitled to a consolidated pay of Rs. 4.50 lakh per month (without house and car).

2. As per section 77(1) of the Electricity Act, Inter-alia states that the Chairperson and the Members of the CERC shall be persons having knowledge of, or experience in, or shown capacity in, dealing with, problems relating to engineering, finance, law, economics, commerce, or management, provided that not more than one member shall be appointed under the same category. The above-mentioned vacancy of Chairperson, CERC is required to be filled up from the fields of economics, commerce, or management since there are already Members from the engineering and finance category and appointment process of Member (Law) in CERC is being separately undertaken.

3. In terms of section 89 of the Act, the Chairperson shall hold office for a term of five years from the date on which he/she enters upon his/her office or till he/she attains the age of sixty-five years, whichever is earlier. The candidate is required to give a declaration that he/she does not have any financial or other interest which is likely to affect prejudicially his/her function as Chairperson, CERC.

4. Relevant extracts of the Electricity Act, 2003 relating to the requirement of qualification, experience, etc., for Chairperson, CERC and copy of CERC (Salaries, Allowances and other Conditions of Service of Chairperson and Members) Rules, 2004 and CERC (Salaries, allowances and other conditions of service of Chairperson and Members) Amendment Rules 2010. CERC (Salaries, allowances and other conditions of service of Chairperson and Members) Amendment Rules 2018 are available at the Ministry's website www.powermin.nic.in.

5. Applications/referential letters are invited in the Proforma given at Annexure.

Application to the post of Chairperson, Central Electricity Regulatory Commission (CERC)

Name of Post: Chairperson, CERC
Date of Vacancy: 01.02.2021
Name of Applicant: 
Father's Name: 
Present Post held (since……..)
Date of Birth of Applicant (DD/MM/YYYY): 
Age of Applicant on date of Vacancy: Years .. Months .. Days
Correspondence Address: 
Phone Number: 
Mobile Number: 
Email ID: 
Qualification and experience in the field of (Economics/Commerce/Management): 
Educational Qualification(s) [in reverse chronological order]: 

Experience (last 15 years):

SL No. From (Date) To (Date) Department/Organization/Institute Designation Experience

Any other relevant facts the Applicant may like to share (limited to 500 words):

Note: - copies of certificates and ACRs/APARs should not be enclosed at this stage.

Declaration

I, hereby declare that I do not have any financial or other interest, which is likely to affect prejudicially my function as Member, CERC, in the event of my selection.

The information furnished above is correct to the best of my knowledge and belief and nothing has been suppressed. I understand that in the event of my selection, it is to be considered that any information furnished above is false or misrepresented, or any information or fact is suppressed, my selection is liable to be cancelled.

Place: 
Signature: 
Date: 
Name: 

EN 4/5

File No. 35/9/2020-DC
Government of India

Ministry of Environment, Forest & Climate Change

HIRING OF TWO CONSULTANTS IN MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

Ministry of Environment, Forest and Climate Change (MoEFCC) invites applications from willing persons for (i) Consultant (Coordinator)-01 post and (ii) Consultant (Communication and Outreach)-01 post on contract basis initially for a period of 12 months with the monthly consolidated remuneration of Rs. 80,000/-.

For Consultant (Coordinator) applicant should have Masters Degree in Science or Bachelor's Degree in Engineering/Technology with at least 7 years of experience working with government and non-governmental organizations in India in the field of environment, and having worked knowledge on sustainable land management issues, sustainable development, natural resources management with good knowledge of UNCCD/UNFCCC/CBD as essential qualification.

For Consultant (Communication and Outreach) applicant should have Post Graduate degree in Journalism and Communication or Advertising and Public Relation with at least 7 years of experience working with government and non-governmental organizations in India in relevant field. Preference will be given to those who have worked in Environment Sector and particularly sustainable land management issues as essential qualification.

Retired Government Employees with (i) Grade pay of Rs. 6500/- and above and knowledge of M.S. Office (ii) experience in the relevant field for a period of more than 5 years may also apply for both the above mentioned Consultant posts. Maximum age limit is 65 years as on 01.01.2020.

For details regarding eligibility, job requirement and terms & conditions of the above post for submitting applications, please visit this Ministry's website www.moef.gov.in.

3. Willing persons who meet the criteria may submit their application latest by 7th July, 2020 to the following address:

Under Secretary, Desertification Cell
Ministry of Environment, Forest & Climate Change
Desertification Division, Room No. A-512
Indira Paryavaran Bhawan, Jor Bagh
New Delhi-110002, Tel. No. 011-24656845

EN 4/5
Employment News 6 - 12 June 2020 www.employmentnews.gov.in

10. The applications received after the closing date and conditional application shall not be entertained. It may be noted that in the event of their selection, the candidates will not be allowed to withdraw their candidature.

(Rajesh Kumar)
Deputy Director (Admin.)
Tel: 011-26194390

Annexure-1

BIO-DATA/CURRICULUM VITAE PROFORMA

FOR APPLICATION FOR THE POST OF ASSISTANT DIRECTOR IN NARCOTICS CONTROL BUREAU (NCB) ON DEPUTATION BASIS

1. Name and Address (in Block Letters):

2. Date of Birth (in Christian era):

3. i) Date of entry into service
   ii) Date of retirement under Central/State Government Rules

4. Educational Qualifications

5. Whether Educational and other qualifications required for the post are satisfied (if any qualification has been treated as equivalent to the one prescribed in the Rules, state the authority for the same)

6. Qualifications/Experience required as mentioned in the advertisement/vacancy circular

Essential
A) Qualification
B) Experience

Desirable
A) Qualification
B) Experience

5.1 Note: This column needs to be amplified to indicate Essential and Desirable Qualification as mentioned in the RRs by the Administrative Ministry/Department/Office at the time of issue of circular and issue of Advertisement in the Employment News.

5.2. In the case of Degree and Post Graduate Qualifications (elective/main subjects and subsidiary subjects may be indicated by the candidate.

6. Please state clearly whether in the light of entries made by you above, you meet the requisite Essential Qualifications and work experience of the post.

6.1 Note: Borrowing Departments are to provide their specific comments/views confirming the relevant Essential Qualification/Work experience possessed by the Candidate (as indicated in the Bio-data) with reference to the post applied.

7. Details of Employment, in chronological order. (Enclose a separate sheet duly authenticated by your signature, if the space below is insufficient).

Office/Institution Post held on regular basis From To Pay Band and Grade Pay/Scale of the post held on regular basis

Other positions held *Note: Post Band and Grade Pay drawn under ACP/MACP scheme

Office/Institution

Pay Band and Grade Pay drawn under ACP/MACP Scheme From To

8. Nature of duties (in detail) highlighting experience required for the post applied for

9. Important: Pay Band and Grade Pay granted under ACP/MACP are personal to the officer and therefore, should not be mentioned. Only Pay Band and Grade Pay/Scale of the post held on regular basis to be mentioned. Details of ACP/MACP with present Pay Band and Grade Pay where such benefits have been drawn by the Candidate may be indicated.

9.1 Note: In case of Officers already on deputation, the applications of such officer should be forwarded by the parent Cadre/Department along with Cadre Clearance, Vigilance Clearance and Integrity certificate.

9.2 Note: Information under Column (c) & (d) above must be given in all cases where a person is holding a post on deputation outside the cadre/organization but still maintaining a lien in his parent cadre/organization.

10. If any post held on deputation in the past by the applicant, date of return from the last deputation and other details.

11. Additional details about present employment:

12. Please state whether you are working in the same Department and in the feeder grade or feeder to feeder grade.

13. Are you in Revised Scale of Pay? If yes, give the date from which the revision took place and also indicate the pre-revised scale.

14. Total emoluments per month now drawn

Basic Pay in the PB Grade Pay Total Emoluments

15. In case the applicant belongs to an organization which is not following the Central Government Pay Scales, the latest salary slip issued by the Organization showing the following details may be enclosed.

Continued on page 14
Madan Mohan Malaviya University of Technology
Gorakhpur - 273 010 (UP) India

Advertisement No : MUT/ECR/RA/2020

A walk-in-interview/online interview shall be organized for Indian nationals for the following positions for two years in MoIT, Govt. of India sponsored research project titled “Development of IoT and Drone based Agriculture Monitoring System with Objective of Skill Development of Socioeconomically Deprived Community”:

1. Research Associate (RA)-01 post

Essential Qualification and Experience: Ph.D in relevant field of Engineering/Technology or 3 years of research, teaching and design and development experience after M.Tech in relevant field of Engineering/Technology at least one research paper in Science Citation Indexed (SCI) journal.

Monthly Emoluments: Rs. 30000/- Rs.55400

2. Junior Research Fellow (JRF)-01 post

Essential Qualification: M.Tech in relevant field of Engineering/Technology through the process of UGC-NET/GATE scored.

Monthly Emoluments: Rs. 25000/- Rs. 37200

3. Technical Assistant (TA)-01 post

Essential Qualification: B. Sc./B.Tech. in relevant field of Engineering/Technology.

Monthly Emoluments: 15000/-

Desirable: Preference will be given to candidates having exposure in the field of IoT/Drone design/Artificial Intelligence

Leave, Medical Benefits and other entitlements: As per University norms.

The selected candidates can also get a chance to register in PhD program at MMMUT, Gorakhpur.

All the interested applicants are required to fill the application form available at University website (www.mmmut.ac.in) and send it by post and email to (eksonlec@mmmuc.ac.in) by 20th June 2020 along with self attested photocopies of mark sheets/Certificates (starting from High School or equivalent) and details of any research or other experience etc., if any. Applicants in employment (government or semi-govt. organization) are required to submit a “No Objection Certificate” from the employer at the time of interview. No TA/DA will be paid for appearing in the test/interview. For detail information please visit at University website www.mmmut.ac.in

Walk-in-interview/online interview will be conducted on 27th June 2020.

EN 4/13

Registrar

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

ADV No.BT/M/2021/301/1/2020

June 2, 2020

APPLICATIONS / NOMINATIONS ARE INVITED FOR THE POSITION OF DIRECTOR, RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY, THIRUVANANTHAPURAM, KERALA, INDIA

Rajiv Gandhi Centre for Biotechnology (RGCB) is an autonomous institute under the Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India. The major mandates of the institute include discovery research in Disease Biology, Translational Sciences, Technology Development as well as training and education. RGCB is also unique in working across three campuses, the main campus which focuses on Discovery Research, a Bio-Innovation Center that focuses on discovery and early translation as well as a bio-incubator where biotech knowledge is converted to product and process development by start-up companies. The institute encourages creation of knowledge and benefit sharing related to IP. Details of the Institutes are available at www.rgcb.res.in

Applications are invited from eminent scientists (Indian Citizens) having proven scientific record in life or medical sciences with application to disease biology and possessing excellent leadership ability for the position of Director, RGCB on deputation (including short-term contract).

Scale of Pay and other benefits: The selected incumbent will be placed in the Level-15 (As per 7th CPC) [MAQ Scale Rs. 67,700 - 79,000 + annual increment @ 3% as per 6th CPC). Other benefits and allowances shall be as per rates applicable for appointment on deputation including Short-Term Contract /Absorption basis.

Eligibility Criteria:

i. PhD in Science or Engineering discipline or M.D./M.S or M.Tech./M.E. or equivalent.
ii. A minimum 15 years of research experience in the field of specialisation.
iii. Excellent scientific track record, h index in publications, patents and awards

Desirable:

i. Experience in successfully running large programs, center and/or institution.
ii. Experience of guiding research activities in any of the fields of life sciences.

For more details including additional desirable qualifications login to the website: www.dbtindia.nic.in or www.rgcb.res.in

Last date for receipt of applications/nominations in Department of Biotechnology is 30 days from the date of publication of this advertisement in the Employment News for local candidates and 45 days from the date of publication abroad. Applications from candidates residing abroad, Andaman & Nicobar and Lakshadweep Islands, States/Union Territories in the North-Eastern region, Ladakh, Sikkim, Sub division Chamba and Lahaul and Spiti districts of Himachal Pradesh.

EN 4/28

1. A. Additional Information, if any, relevant to the post you applied for in support of your suitability for the post. (This among other things may provide information with regard to:
   (i) Additional academic qualifications (ii) Professional training and (iii) Work experience above prescribed in the Vacancy Circular/Advertisement)
   (Note: Enclose a separate sheet, if the space is insufficient)

16. B. Achievements:
   The candidates are requested to indicate information with regard to:
   (i) Research publications and reports and special projects; (ii) Awards/Scholarships/Official Appreciation; (iii) Affiliation with the professional bodies/institutions/societies and (iv) Patents registered in one name or authored for the organization.
   (Note: Enclose a separate sheet if the space is insufficient)

17. Please state whether you are applying for absorption (ST/SC/OBC/Re-employment)

Basis:
O(Officers under Central/State Governments are only eligible for "Absorption". Candidates of Non-Government Organizations are eligible only for Short Term Contract)

(T(he option of STC/Absorption/Re-employment are available only if the vacancy circular specially mentioned recruitment by STC or Absorption or Re-employment)
**Filmm and Television Institute of India**
Law College Road, Pune - 411004
(A Society registered under the Societies Registration Act, 1860)

*Subject*: Filling up of the post of Chief Accounts Officer in the Film and Television Institute of India, Pune on deputation on foreign service terms.

FTI is an educational institution and autonomous body registered under Societies Registration Act, 1860 under Ministry of Information & Broadcasting and imparting training in the art and craft of film making. One post of Chief Accounts Officer in the Pay Matrix Level-II is required to be filled by transfer on deputation. The Level from which the deputation is to be made are as under:

- Senior Accounts Officers, Senior Audit Officers etc. holding analogous posts or with at least 5 years service in posts in the Pay Matrix Level-I0.

The pay of the Officer selected for appointment as Chief Accounts Officer by transfer on deputation will be regulated in accordance with the instructions contained in Government of India, Ministry of Personnel and Training O.M. No.22/3931-Estt (Pay-I) dated 05.01.1994 as amended from time to time. It is requested that the application (in duplicate) in the enclosed proforma along-with complete and up to date ACRs/APAR for the last five years of the officers who could be spared in the event of selection, may be sent to this Institute.

While forwarding the application, it may please be verified and certified that the particulars furnished by the Officer are correct and that no vigilance/disciplinary case is pending or contemplated against the Officer.

Applications of only such officers will be considered as received through proper channel and accompanied with (i) bio-data (in duplicate) (ii) Photocopies of up-to-date CR dossiers/ACRs/APAR of the official for the last five years, duly attested (Original ACRs may not be sent) (iii) cadre clearance (iv) Vigilance clearance/integrity certificate and (v) statement giving details of major or minor penalties imposed on the officer, if any.

The last date of submission of applications complete in all respect is 45 (forty five) days from the date of publication of advertisement in Employment News/Rozgar Samachar.

Registrar

**Annexure**

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<th>Sr. No.</th>
<th>Name</th>
<th>Date of Birth and Age in completed years on last date of application</th>
<th>Date of Retirement</th>
<th>Educational Qualifications</th>
<th>Present Post held</th>
<th>Date from which it is continuously held</th>
<th>Whether Central Government or Industrial DA pattern</th>
<th>Present Pay + GP (along-with the date from which drawn)</th>
<th>Date of return from the last ex-cadre post, if any</th>
<th>Nature of experience (latest appointment/assignment to be given first)</th>
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<th>Place:</th>
<th>Signature of the candidate</th>
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