

Government of India  
Ministry of Environment & Forests  
(EI Division)

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**Annual Plan of Activities of ENVIS Centre from April 2015 -March 2016**

<b>1.</b>	<b>Name of Host Organization:</b>	<b>Department of Environmental Science, University of Kalyani</b>					
<b>2.</b>	<b>Assigned Subject Area:</b>	ENVIRONMENTAL BIOTECHNOLOGY					
<b>3.</b>	<b>Date/Month/Year of establishment of ENVIS Centre:</b>	June, 2002					
<b>4.</b>	<b>Name and designation of ENVIS Coordinator (2015-16):</b>	Prof. Subhas Chandra Santra (ENVIS Co-ordinator)					
<b>5.</b>	<b>Has the Host Organization constituted an Advisory Committee for guiding the activities of the Centre?</b>	Yes					
	<b>Composition of the Advisory Committee:</b>	<p><b>Expert Advisory body for ENVIS Centre, University of Kalyani</b></p> <ol style="list-style-type: none"> <li>1. Prof. Samir Kumar Mukherjee (Dept. of Microbiology, University of Kalyani)</li> <li>2. Dr. Tapas Kumar Bandyopadhaya (Dept. of Molecular Biology &amp; Biotechnology, University of Kalyani)</li> <li>3. Dr. Soma Mukherjee (Dept. of Environmental Science, University of Kalyani)</li> <li>4. Dr. Jayanta Kumar Biswas (Department of Environmental Management, University of Kalyani)</li> </ol> <p>(Details in our website: <a href="http://deskuenvis.nic.in/aboutus.asp">http://deskuenvis.nic.in/aboutus.asp</a>)</p>					
<b>6.</b>	<b>Current ENVIS Staff Structure:</b>						
	Name	Position held	Qualification and Experience	Joining Date in ENVIS Centre	Joining Date in current position	2015-16	
						Leaving Date (if applicable)	Emoluments drawn (Rs.)
						Monthly	Annual
	Dr. Anusaya Mallick	Program me Officer	M.Sc, Ph. D.  6 Years Research Experience and 4 years one month as ENVIS Programme Officer	26-12-2011	26-12-2011		31,260/-  3,75,120/-

	Mr. Sourav Banerjee	IT Assistant	<p>B.Com, Diploma in Software Application, Web Designing</p> <p><b>Total working experience in ENVIS centre from 2000-till date (16 years)</b></p> <ul style="list-style-type: none"> <li>• Presently, More than 12years working experience as IT Assistant in ENVIS Centre in Kalyani University</li> <li>• Previously, 05 years working experience in ENVIS Centre of CME, ISM, Dhanbad</li> </ul>	01.09.2005	01.09.2005		21,028/-	2,52,336/-
7.	<b>Mandate of the Host Organization</b>		<b>Mandate of the ENVIS Centre</b>					
	No specific mandate		<p><b>Short term</b></p> <ul style="list-style-type: none"> <li>• Systematically collect, compile and disseminate data on “Environmental Biotechnology” for providing information services.</li> <li>• Publishes Newsletters &amp; Abstract volumes on the subject for wide dissemination of information</li> <li>• Development of a website in the field for accessing information through internet</li> <li>• Organize training, workshop &amp; seminar on thematic subjects.</li> </ul> <p><b>Long term</b></p> <ul style="list-style-type: none"> <li>• Development of website in the field of Environmental Biotechnology for researchers, academician, students commercial entrepreneurs of specific areas and policy makers to getting the information through internet.</li> <li>• Development and documentation of environmental biotechnology data bank</li> <li>• Establishment of liaison with various concerned institute and departments of India and abroad, working on the field of Environmental Biotechnology.</li> </ul>					

## 8. Databases:

### 8.1. Catalogue of Non-numeric Databases compiled by the ENVIS Centre till date:

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
About us	<p>1. About the centre</p> <ul style="list-style-type: none"> <li>✓ Objective</li> <li>✓ Achievement</li> <li>✓ Future plan</li> </ul> <p>2. Organisation Structure (Flow chart)</p> <p>3. Introduction to ENVIS centre</p> <ul style="list-style-type: none"> <li>✓ Back ground</li> <li>✓ Objective</li> <li>✓ Abstract format</li> <li>General</li> <li>✓ Information</li> </ul>	<p>Descriptive, photos and tabular</p> <p>Flow chart</p>	<p>Monthly</p> <p>Last update on 05.01.2016</p>	Own generated	<p><a href="http://deskuenvis.nic.in/aboutus.asp">http://deskuenvis.nic.in/aboutus.asp</a></p> <p><a href="http://deskuenvis.nic.in/orgstructure.asp">http://deskuenvis.nic.in/orgstructure.asp</a></p> <p><a href="http://deskuenvis.nic.in/introduction.asp">http://deskuenvis.nic.in/introduction.asp</a></p>
ENVIS Network	ENVIS Centre and ENVIS Focal point	Link	<p>Monthly</p> <p>Last update on 13.01.15</p>	ENVIS site of MoEF & CC	<a href="http://envis.nic.in/centres.html">http://envis.nic.in/centres.html</a>
Query	We are getting the query service through off line not getting through online data (our site is not restructure by ministry so dynamic pages are not working)	Numerically	19.01.2016	Received by mail, postal and phone	<a href="http://deskuenvis.nic.in/query.asp">http://deskuenvis.nic.in/query.asp</a>
Feed back	We are getting the query service though off line not	Numerically	12.03.2016	Received by mail, postal	<a href="http://deskuenvis.nic.in/feedback.asp">http://deskuenvis.nic.in/feedback.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	getting through online data (our site is not restructure by ministry so dynamic pages are not working) dynamic pages are not working			and phone -	
Site map	All pages of our site are in linked	links	Yearly 29.09.15	Own generated	<a href="http://deskuenvis.nic.in/site_map.asp">http://deskuenvis.nic.in/site map.asp</a>
FAQs	Environmental biotechnology related Question with answers	Descriptive	Biannually 29.09.2015	Books and online	<a href="http://deskuenvis.nic.in/faq.asp">http://deskuenvis.nic.in/faq. asp</a>
Contact us	Contact details of ENVIS centre's staffs and Contact detail address of the ENVIS Cell were given	Tabular	Annually 06.11.2016	ENVIS site of MoEF & CC and from envis mail	<a href="http://deskuenvis.nic.in/contactus.asp">http://deskuenvis.nic.in/cont actus.asp</a>
Related links  1. National links on thematic area  2. Internati onal on thematic	Links checked and uploaded some new links	Descriptive	Weekly 13.01.2016	Online, Journals, Books, Internation al and National Institutes/ Organizati ons	<a href="http://deskuenvis.nic.in/link1.asp">http://deskuenvis.nic.in/link k1.asp</a>  <a href="http://deskuenvis.nic.in/link2.asp">http://deskuenvis.nic.in/link k2.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
area					
Thematic area (16 sub theme)	Description & Abstract of research (1.Biofertilizer, 2.Biopesticide, 3.Bioenergy, 4.Bio- composting, 5.Bioaccumulati on, 6.Agricultural Biotechnology, 7.Bio-sensor, 8.Biodegradatio n, 9.Bio- remediation, 10.Bio-marker, 11.Biotransform ation, 12.Pollen Biotechnology, 13.Bioengineeri ng, 14.Policy Issues, 15.Nano biotechnology, 16.Biomimicry)	Descriptive information and Tabular information	Monthly  06.01.2016	Research journals, Online and books	<a href="http://deskuenvis.nic.in/su_b_theme.asp?theme=1">http://deskuenvis.nic.in/su_b_theme.asp?theme=1</a>
Applicati on Case studies	Success stories of biotechnologica l application case studies. (old data in archives)	Descriptive and hyper links	Monthly  06.01.2016	Online, Institutes, libraries NGOs	<a href="http://deskuenvis.nic.in/casestudy.asp">http://deskuenvis.nic.in/casestudy.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Patents	Biotechnological patents (USA, India, Europe, )	Descriptive, tabular & hyper links with pdf format	Monthly 22.12.2015	Online and Journals	<a href="http://deskuenvis.nic.in/patent.asp">http://deskuenvis.nic.in/patent.asp</a>
Experts	International experts with their CVs	Descriptive and hyper links with pdf format	Monthly 14.01.16	Online, mail	<a href="http://deskuenvis.nic.in/international.asp">http://deskuenvis.nic.in/international.asp</a>
	National experts with their CVs	Descriptive and hyper links	Monthly 14.01.16	Online mail	<a href="http://deskuenvis.nic.in/national.asp">http://deskuenvis.nic.in/national.asp</a>
Glossary	Glossary on the subject area	Indexing and Descriptive	Monthly 26.12.2015	Online and books	<a href="http://deskuenvis.nic.in/glossary.asp">http://deskuenvis.nic.in/glossary.asp</a>
National Organisation	Research institutes	Tabular and hyper link	Monthly 18.01.2016	Online	<a href="http://deskuenvis.nic.in/internationalorg.asp">http://deskuenvis.nic.in/internationalorg.asp</a>
International Organisation	Research institutes	Tabular and hyper link	Monthly 18.01.2016	Online	<a href="http://deskuenvis.nic.in/internationalorg.asp">http://deskuenvis.nic.in/internationalorg.asp</a>
International Information exchange	International organisations for better exchange of information	Naming List	Biannually 31.12.2015	Online	<a href="http://deskuenvis.nic.in/exchange.asp">http://deskuenvis.nic.in/exchange.asp</a>
Convention and treaties	Hazardous waste, disposal, management and handling. Environmental standards <ul style="list-style-type: none"> <li>Air</li> </ul>	Descriptive, links and pictorial	Monthly 04.01.2016	Online, Journals and books	<a href="http://deskuenvis.nic.in/conventions.asp">http://deskuenvis.nic.in/conventions.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	<ul style="list-style-type: none"> <li>• Drinking Water</li> <li>• Noise</li> <li>• Industrial Discharge</li> <li>• E-Waste</li> </ul>				
Library	<ol style="list-style-type: none"> <li>1. Newsletter</li> <li>2. Abstracts</li> <li>3. Books</li> <li>4. E-Books</li> <li>5. Thesis</li> <li>6. Journals</li> <li>7. Publication</li> <li>8. Annual Reports</li> <li>9. Power point ppt on thematic areas</li> <li>10. Video library               <ul style="list-style-type: none"> <li>✓ Biofuel</li> <li>✓ Biodiesel</li> <li>✓ Biotechnolo</li> </ul> </li> </ol>	Descriptive, tabular, video clippings & Pdf formats	Weekly  03.03.2016	Online, library, Institutes, Experts	<ol style="list-style-type: none"> <li>1. <a href="http://deskuenvis.nic.in/newsletter.asp?archive=0&amp;year=2016">http://deskuenvis.nic.in/newsletter.asp?archive=0&amp;year=2016</a></li> <li>2. <a href="http://deskuenvis.nic.in/abstractvol.asp">http://deskuenvis.nic.in/abstractvol.asp</a></li> <li>3. <a href="http://deskuenvis.nic.in/book.asp">http://deskuenvis.nic.in/book.asp</a></li> <li>4. <a href="http://deskuenvis.nic.in/ebook.asp">http://deskuenvis.nic.in/ebook.asp</a></li> <li>5. <a href="http://deskuenvis.nic.in/thesis.asp">http://deskuenvis.nic.in/thesis.asp</a></li> <li>6. <a href="http://deskuenvis.nic.in/journal.asp">http://deskuenvis.nic.in/journal.asp</a></li> <li>7. <a href="http://deskuenvis.nic.in/publication.asp">http://deskuenvis.nic.in/publication.asp</a></li> <li>8. <a href="http://deskuenvis.nic.in/annualreport.asp">http://deskuenvis.nic.in/annualreport.asp</a></li> <li>9. <a href="http://deskuenvis.nic.in/powerpoint.asp">http://deskuenvis.nic.in/powerpoint.asp</a></li> <li>10. <a href="http://deskuenvis.nic.in/videolibrary.asp">http://deskuenvis.nic.in/videolibrary.asp</a></li> </ol>

Name of Database	Description (in brief)	Data type (descriptive/graphical/geospatial/etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	<ul style="list-style-type: none"> <li>✓ Save the Environment</li> <li>✓ Educational environmental video</li> </ul>				
Microbes in Application	Application of Algae, Fungi, Bacteria, Yeast in biotechnology, Information on National & international	Descriptive, tabular & pictorial	Weekly 14.01.2016	Online library, Institutes,	<a href="http://deskuenvis.nic.in/microbes.asp?list=1&amp;page=1">http://deskuenvis.nic.in/microbes.asp?list=1&amp;page=1</a>
	National and International Culture Collection Centre	Descriptive, tabular & pictorial	Biannually 28.10.2015	Online library, Institutes,	<a href="http://deskuenvis.nic.in/microbes.asp?list=2&amp;page=1">http://deskuenvis.nic.in/microbes.asp?list=2&amp;page=1</a>
	Application, Culture & use of effective microorganisms EM	Descriptive	Monthly 28.10.2015	Online, library, institutes,	<a href="http://deskuenvis.nic.in/microbes.asp?list=3">http://deskuenvis.nic.in/microbes.asp?list=3</a>
GMOs	Application, process & controversy of Genetic Modified crops and organisms	Descriptive, tabular, hyper links and pictorial	Monthly 16.12.2015	Online, library, Books and Institutes	<a href="http://deskuenvis.nic.in/gmo.asp">http://deskuenvis.nic.in/gmo.asp</a>
Overview	International scenario, National Biotech policy and emerging	Descriptive and Tabular	Monthly 18.12.2015	Online, library, Books and Institutes	



Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	issues				
Biotech Policies	National & State biotech policies,	Descriptive and hyper links	Monthly 12.02.2014	Online, Govt. dept.	<a href="http://deskuenvis.nic.in/strate.asp">http://deskuenvis.nic.in/strate.asp</a>
Biotech products & companies	Companies manufacturing various Biotech products & its uses	Descriptive, tabular and hyper links	Monthly 27.12.2015	Online	<a href="http://deskuenvis.nic.in/productandcompany.asp">http://deskuenvis.nic.in/productandcompany.asp</a>
Biotech information	<ul style="list-style-type: none"> <li>• Biotech Facilities and Programme Support</li> <li>• Programme Support and Centre of Excellence</li> <li>• Technologies Transferred</li> <li>• Biotechnology For Societal Development</li> <li>• Biotechnology Parks And Incubators</li> <li>• Bioinformatics</li> <li>• Autonomous Institutions</li> <li>• Public Sector Undertakings</li> <li>• Universities offering the Biotech courses</li> <li>• National Biotechnology Development Strategy</li> </ul>	Descriptive	Weekly 08.01.2016	Online, Govt. dept.	<a href="http://deskuenvis.nic.in/overview.asp?page=5">http://deskuenvis.nic.in/overview.asp?page=5</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Activities of Research organization	R & D activities related to the subject area of different National institutes	Descriptive and hyper links	Monthly 27.01.2016	Online	<a href="http://deskuenvis.nic.in/activitynationalorg.asp">http://deskuenvis.nic.in/activitynationalorg.asp</a>
Biotech Study courses	Offering courses on biotechnology all over the country	Descriptive and hyper links	Monthly 08.01.2016	Online	<a href="http://deskuenvis.nic.in/biotechinfo.asp?page=1">http://deskuenvis.nic.in/biotechinfo.asp?page=1</a>
Biotech news	Popular News on R&D on the Subject theme, old data in archives	Descriptive & links	Monthly 24.02.2016	Online	<a href="http://deskuenvis.nic.in/biotechnews.asp">http://deskuenvis.nic.in/biotechnews.asp</a>
Current biotech research	Information on current research, old data in archives	Descriptive & links	Monthly 14.03.2016	Online	<a href="http://deskuenvis.nic.in/biotechresearch.asp">http://deskuenvis.nic.in/biotechresearch.asp</a>
Regional language	Brief of the subject theme area in Bengali version	Descriptive and pictorial	Biannually 12.02.2015	Translate from Books, Research journals, Online	<a href="http://deskuenvis.nic.in/regionallanguage.asp">http://deskuenvis.nic.in/regionallanguage.asp</a>
Events	Upcoming worldwide events.  (old data in archives)	Tabular and links	Monthly 14.03. 2016	Online and journals	<a href="http://deskuenvis.nic.in/events.asp?event=1">http://deskuenvis.nic.in/events.asp?event=1</a>
Calendar	Calendar on Environmental	Pictorial, Data and	Biannually	Online and journals	<a href="http://deskuenvis.nic.in/calendar.asp">http://deskuenvis.nic.in/calendar.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	Events	links	04.08.2015		
Major Activities	Details of workshop/seminar organized by the centre and Activities of related National organizations.	Descriptive	When required  23.02.2016	Own data	<a href="http://deskuenvis.nic.in/workshop.asp">http://deskuenvis.nic.in/workshop.asp</a>
	Extension activities “ Documentation of materials on Biofertilizer, Biopesticide etc.” for farmers, NGOs use/training  1. Azotobacter, 2. Mass culture of Azolla, 3. Culture of Phosphate solubilizing bacteria (PSB) 4. Mass culture of Rhizobium 5. Spirulina culture 6. Mass culture of Tricoderma 7. Vermicomposting 8. Mushroom	Descriptive, photographs with related links	Monthly  26.02.2016	Online and Books	<a href="http://deskuenvis.nic.in/extension.asp">http://deskuenvis.nic.in/extension.asp</a>
Kids Conner	Animation	Video clippings	yearly	Online	<a href="http://deskuenvis.nic.in/animation.asp">http://deskuenvis.nic.in/animation.asp</a>
	Photo gallery	Photo and	Monthly	Our	<a href="http://deskuenvis.nic.in/photo_gallery.asp">http://deskuenvis.nic.in/photo_gallery.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/graphical/geospatial/etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
		captions	27.01.2016	ENVIS activity photographs	<a href="http://otogallery.asp">otogallery.asp</a>
	<p>Mobile Apps</p> <p>1. Alage</p> <p>2. Fungai &amp; yeast</p> <p>3. Bacteria</p> <p>4. GM Crops</p>	Photo and captions	Monthly 25.02.2016	Books, Journals, Online,	<p><a href="https://drive.google.com/file/d/0B_t_iGw2GWFcMXN1RVJ4bEJON3M/view?pref=2&amp;pli=1">https://drive.google.com/file/d/0B_t_iGw2GWFcMXN1RVJ4bEJON3M/view?pref=2&amp;pli=1</a></p> <p>and</p> <p><a href="https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en">https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en</a></p> <p><a href="https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en">https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en</a></p> <p><a href="https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en">https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en</a></p> <p><a href="https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en">https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en</a></p>
Bhuvan portal	By Using the Bhuvan portal added a Chloropath maps which indicates the Biotechnological institutes, Universities and also our envis centre (Environmental Biotechnology)	Maps	Biannually 22.09.2015		<a href="http://deskuenvis.nic.in/bhuvanmap.asp">http://deskuenvis.nic.in/bhuvanmap.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/graphical/geospatial/etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Footer of our webpage	Privacy policy, Copy	Descriptive	26.01.2016		
Face book creation	right policy, Terms and conditions, Hyper linking policy, Help, Declaimer				
	Indian Gov. Bhuvan portal, Facebook, WBPCB, WBBB,	Link	26.01.2016		<a href="http://india.gov.in/">http://india.gov.in/</a> <a href="http://bhuvan.nrsc.gov.in/bhuvan_links.php">http://bhuvan.nrsc.gov.in/bhuvan_links.php</a>  <a href="https://www.facebook.com/des.envis">https://www.facebook.com/des.envis</a> <a href="http://www.wbpcb.gov.in/">http://www.wbpcb.gov.in/</a> <a href="http://wbbb.gov.in/">http://wbbb.gov.in/</a>
	Face book created			-	<a href="https://www.facebook.com/des.envis">https://www.facebook.com/des.envis</a>

**8.2. Catalogue of Numeric and Time-series Databases compiled by the Centre till date:**

Name of Database	Description (in brief)	Time Period (Starting year-Ending year) and Periodicity (annual/monthly/ other)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Patents	Environmental	Monthly	Online	<a href="http://deskuenvis.nic.in/patent.asp">http://deskuenvis.nic.in/patent.asp</a>

Name of Database	Description (in brief)	Time Period (Starting year-Ending year) and Periodicity (annual/ monthly/ other)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	Biotechnological application patents (USA, Europe and India)	26.12.2015		
Abstracts	Abstract of research papers on Subject related 16 Thematic areas	Monthly 06.01.2016	Research Journals, Online, and library	<a href="http://deskuenvis.nic.in/topics1.asp">http://deskuenvis.nic.in/topics1.asp</a>
Case studies	International/ National	Monthly 06.01.2016	Online, research paper and books	<a href="http://deskuenvis.nic.in/casestudy.asp">http://deskuenvis.nic.in/casestudy.asp</a>

### 8.3. New Databases developed during the Financial Year (2015-16)

#### 8.3.1. Non-numeric Databases:

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation / Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Contact us	Contact details of ENVIS centre's staffs and Contact detail address of the ENVIS Cell were given	Tabular	Annually 06.11.2016	ENVIS site of MoEF & CC and from ENVIS mail	<a href="http://deskuenvis.nic.in/contactus.asp">http://deskuenvis.nic.in/contactus.asp</a>
Bhuvan portal	By Using the Bhuvan portal	Maps	Biannually		<a href="http://deskuenvis.nic.in/bhuvanmap.asp">http://deskuenvis.nic.in/bhuvanmap.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation / Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	added a Chloropath maps which indicates the Biotechnological institutes, Universities and also our Envis centre Environmental Biotechnology)		22.09.2015		
Kids corner	Photo gallery	Photo and captions	Monthly 25.02.2016	Our ENVIS activity photographs	<a href="http://deskuenvis.nic.in/photo-gallery.asp">http://deskuenvis.nic.in/photo-gallery.asp</a>
Mobile Apps	Mobile Apps  5. Alage  6. Fungai & yeast  7. Bacteria	Photo and captions	Monthly 06.01.2016	Descriptive ,tabular and photographs	<a href="https://drive.google.com/file/d/0B_t_iGw2GWFcMXN1RVJ4bEJON3M/view?pref=2&amp;pli=1">https://drive.google.com/file/d/0B_t_iGw2GWFcMXN1RVJ4bEJON3M/view?pref=2&amp;pli=1</a>  and  <a href="https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en">https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en</a>  <a href="https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en">https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en</a>  <a href="https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en">https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation / Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	8. GM Crops				<a href="https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en">https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en</a>
Biotech information	National Biotechnology Development Strategy	Descriptive and hyperlinks	Weekly 08.01.2016	Online, Govt. dept.	<a href="http://deskuenvis.nic.in/overview.asp?page=5">http://deskuenvis.nic.in/overview.asp?page=5</a>
Major activity	Special day celebration 1. Environmental day On 5 <sup>th</sup> June, 2015  2. Aranya saptaha)	Descriptive	Yearly  30.07.2015	Descriptive and photographs	<a href="http://deskuenvis.nic.in/newarchives.asp">http://deskuenvis.nic.in/newarchives.asp</a>  <a href="http://deskuenvis.nic.in/newarchives.asp">http://deskuenvis.nic.in/newarchives.asp</a>
	Extension activities “ Documentation of materials on Biofertilizer, Biopesticide etc.” for farmers, NGOs use/training  1. Azotobacter, 2. Azolla, 3. Phosphate solubilizing bacteria (PSB)	Descriptive, photographs with related links	Monthly  26.02.2016	Online and Books	<a href="http://deskuenvis.nic.in/extension.asp">http://deskuenvis.nic.in/extension.asp</a>



Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation / Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	4. Mass culture of Rhizobium 5. Spirulina 6. Mass culture of Trichoderma 7. Vermicomposting 8. Mushroom				
Experts	Contacted some International experts and NGOs on environmental biotechnology for information exchange and uploaded their their CVs	Descriptive and hyper links with pdf format	Monthly 14.01.16	Online, mail	<a href="http://deskuenvis.nic.in/international.asp">http://deskuenvis.nic.in/international.asp</a>
Biotech policy	Biotech parks and Incubators	Descriptive and hyper links with pdf format	Monthly 19.09.2015	Online	<a href="http://deskuenvis.nic.in/biotechinfo.asp?page=5">http://deskuenvis.nic.in/biotechinfo.asp?page=5</a>
Current news	ENVIS Activities at Barrackpore Rly Station during exhibition on Science Express Climate Action Special (SECAC) from 18-21 January,	Descriptive and hyper links	24.02.2016	Online	<a href="http://deskuenvis.nic.in/biotechnews.asp">http://deskuenvis.nic.in/biotechnews.asp</a>

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation / Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
	2016.				
Face book creation	Face book created	-	26.01.2016	-	<a href="https://www.facebook.com/deskuenvis">https://www.facebook.com/deskuenvis</a>
Publication	Book on “ <b>Recent Biotechnological applications in India</b> ” ISBN number 978-93-5254-907-8(PB), 978-93-5254-908-5(HB)		Under Process		

**8.3.2. Numeric and Time-series Databases:**

Name of Database	Description (in brief)	Time Period (Starting year- Ending year) and Periodicity (annual/ monthly/ other)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)

**8.4. Status of data entry in ISBEID: (For State/ UT ENVIS Centres) – As in Annex**

**Not applicable**


**9. Information/ Knowledge Products:**

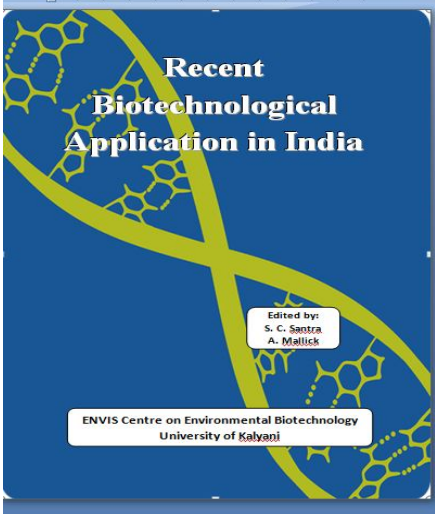
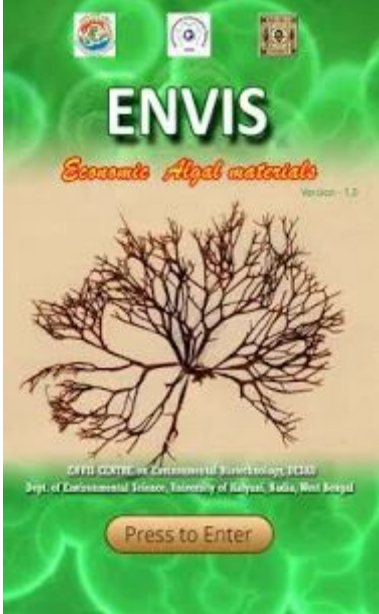
**9.1. ENVIS Newsletters published during the Financial Year (2015-16):**

Cover snapshot	Quarter/ Volume/ Issue/ Theme  Main Articles	Number of copies printed and circulated	URL of the PDF file in ENVIS website (Kindly note that the PDF file should open without login prompt)

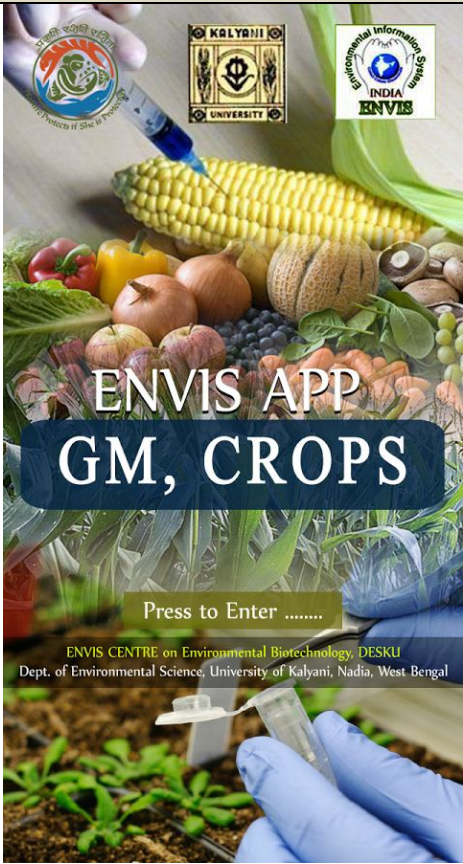
<p>ENVIS CENTRE ON ENVIRONMENTAL BIOTECHNOLOGY SUPPORTED BY: MINISTRY OF ENVIRONMENT, FORESTS &amp; CLIMATE CHANGE GOVERNMENT OF INDIA, NEW DELHI</p> <p>VOLUME-26 ISSN : 0974 2476 JUNE, 2015</p> <p><b>INTEGRATED PEST MANAGEMENT</b></p> <p>DEPARTMENT OF ENVIRONMENTAL SCIENCE, UNIVERSITY OF KALYANI, NADIA, WEST BENGAL Email: secetra@yahoo.com, desk@envis.nic.in, Phone: +91-33-25823750, Ext: 372 Telefax: +91-33-2580 8749, Website: http://www.deskuenvis.nic.in</p>	<p>Biannually: (January – June) Volume - 26 Issue Number: 0974 2476 Theme: Integrated Pest Management (IPM)</p>	<p>250</p>	<p><a href="http://deskuenvis.nic.in/newsletter.asp?year=2015&amp;archive=0">http://deskuenvis.nic.in/newsletter.asp?year=2015&amp;archive=0</a></p>
<p>ENVIS CENTRE ON ENVIRONMENTAL BIOTECHNOLOGY SUPPORTED BY: MINISTRY OF ENVIRONMENT, FORESTS &amp; CLIMATE CHANGE GOVERNMENT OF INDIA, NEW DELHI</p> <p>VOLUME-27 ISSN : 0974 2476 DECEMBER, 2015</p> <p><b>NANO TREE FOR NOVEL ENERGY HARVESTING TECHNOLOGY</b></p> <p>DEPARTMENT OF ENVIRONMENTAL SCIENCE, UNIVERSITY OF KALYANI, NADIA, WEST BENGAL Email: secetra@yahoo.com, desk@envis.nic.in, Phone: +91-33-25823750, Ext: 372 Telefax: +91-33-2580 8749, Website: http://www.deskuenvis.nic.in</p>	<p>Biannually: (July - December) Volume - 27 Issue Number: 0974 2476 Theme: Nano Tree For Novel Energy Harvesting Technology</p>	<p>300</p>	<p><a href="http://deskuenvis.nic.in/newsletter.asp?year=2015&amp;archive=0">http://deskuenvis.nic.in/newsletter.asp?year=2015&amp;archive=0</a></p>

**9.2. Other publications/ information products brought out during the Financial Year (2015-16):**

Cover snapshot	Publication/ Product  Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF file in ENVIS website (Kindly note that the PDF file should open without login prompt)
	<p>Abstract Volume- 27 (January – June), 2015</p>	<p>200</p>	<p><a href="http://deskuenvis.nic.in/pdf/abstract27.pdf">http://deskuenvis.nic.in/pdf/abstract27.pdf</a></p>
	<p>Abstract Volume- 26(July- December),20 15</p>	<p>200</p>	<p><a href="http://deskuenvis.nic.in/pdf/abstract26.pdf">http://deskuenvis.nic.in/pdf/abstract26.pdf</a></p>

Cover snapshot	Publication/ Product  Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF file in ENVIS website (Kindly note that the PDF file should open without login prompt)
	<ul style="list-style-type: none"> <li>• <b>Book</b> Book on “<b>Recent Biotechnological applications in India</b>”</li> </ul>	<p>Is on under process containing approximately 250 pages and apply for ISBN number 978-93-5254-907-8(PB), 978-93-5254-908-5(HB)</p>	
	<p>Economic Algal Materials: Android Apps</p>	<p>--</p>	<p>Via Play Store <a href="https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en">https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en</a> or Via Google Drive <a href="http://tinyurl.com/deskuenvis">http://tinyurl.com/deskuenvis</a></p>
	<ul style="list-style-type: none"> <li>•</li> </ul>		

Cover snapshot	Publication/ Product  Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF file in ENVIS website (Kindly note that the PDF file should open without login prompt)
	<p>Important Fungi and Their Applications: Android Apps</p>		<p><u>Via Play Store</u></p> <p><a href="https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en">https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en</a></p> <p>or</p> <p><u>Via Google Drive</u></p> <p><a href="https://drive.google.com/file/d/0B_t_iGw2GWFca3FPT0hfS2V5bFE/view?usp=sharing">https://drive.google.com/file/d/0B_t_iGw2GWFca3FPT0hfS2V5bFE/view?usp=sharing</a></p>
	<p>Important Bacteria and their Applications: Android Apps</p>		<p><u>Via Play Store</u></p> <p><a href="https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en">https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en</a></p> <p>or</p> <p><u>Via Google Drive</u></p> <p><a href="https://drive.google.com/file/d/0B_t_iGw2GWFcTXp4UGd2VFFmdWc/view?usp=sharing">https://drive.google.com/file/d/0B_t_iGw2GWFcTXp4UGd2VFFmdWc/view?usp=sharing</a></p>

Cover snapshot	Publication/ Product  Theme(s)/ Subject Area(s)	Number of copies printed and circulated	URL of the PDF file in ENVIS website (Kindly note that the PDF file should open without login prompt)
	<p>GM, Crops: Android Apps</p>		<p>Via Play Store  <a href="https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en">https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en</a>                      or                      Via Google Drive  <a href="https://drive.google.com/file/d/0B_t_iGw2GWFcVWI3aGU3NnZSX1E/view?usp=sharing">https://drive.google.com/file/d/0B_t_iGw2GWFcVWI3aGU3NnZSX1E/view?usp=sharing</a></p>

**9.3 Information Products published/ released so far:**

Publication / Product	Theme(s)/ Subject Area(s)	Year of Publication	URL of the PDF file in ENVIS website (Kindly note that the PDF file should open without login prompt)
Newsletter and Abstract volumes	16 no of thematic areas (details in point no. 8, page no. 5)	From 2002 to till date	<p><a href="http://deskuenvis.nic.in/newsletter.asp?year=2016&amp;archive=1">http://deskuenvis.nic.in/newsletter.asp?year=2016&amp;archive=1</a>  <a href="http://deskuenvis.nic.in/abstractvol.asp">http://deskuenvis.nic.in/abstractvol.asp</a>  <a href="http://deskuenvis.nic.in/publication.asp">http://deskuenvis.nic.in/publication.asp</a></p>

**10. ENVIS Website(ENVIS Centres whose Website has been restructured may provide the Performance Report/Graphs generated therein wherever possible):**

- 10.1. URL: <http://deskuenvis.nic.in/>
- 10.2. Status of restructuring of Website: Not restructured
- 10.3. Frequency of updating Website 2015-16: Monthly/Biannually
- 10.4. Subject-specific database updation (numeric/ others): Weekly
- 10.5. Publication uploaded/ updated on Website: Monthly

**11. User Engagement and Interaction** (*ENVIS Centres whose Website has been restructured may provide the Performance Report/Graphs generated therein wherever possible*): **Not restructured**

<i>User engagement and interaction</i>	<i>FY 2015-16</i>	<i>FY 2014-15</i>	<i>FY 2013-14</i>
i. Total number of visits	95,412	82,204	55,235
ii. Number of unique visits	**	**	**
iii. Reports Downloaded/Read	**	**	**
iv. Total Number of Queries received	370 (Postal-10+E mail -97+physical-114, telephone/fax-149)	266 (Postal-16+E mail -98+ telephone/fax- 152)	160 (Postal-06+E mail -71+ physical 83)
v. Number of Queries responded	353	255	160
vi. Grade received		B (72)	A (80)

\*\*Since our Website is not restructured, we don't have the count.

\*\* Due to following constrains the total of Number of unique visits statistics and Reports Download/ Read statistics, could not be met with. As our website is not restructured as per MOEF &CC point of view, so we are not running our statistical command functioned. The database link folder is not properly running. For security reason, NIC blocked our command base dynamic pages. So we are unable to provide such type of statistics.

**12. Implementation of Annual Plan of Activities of the Financial Year (2015-16):**

<b>Activity/ Target</b>	<b>Achievements</b>	<b>Shortfalls, if any, and reasons therefore</b>
<b>Centre's proposed activities 2015-16</b>		
Outreach activity of ENVIS centre	We celebrated Environmental Day, Aranya Saptaha (Details in point no-12)	
International Information	We contacted international institutes and also some	



Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
	experts for better exchange	
Publication	The Centre has published more reports, documents, abstracts & research papers.	
We intend to build up a strong inventory of information related to environmental biotechnology, data bank on Microbial Application potential in various fields, industrial linkages in various application areas.	Yes (Interaction with the farmers about their problems and suggestion; linkage with some local industries about their problems and prospects)	
Our ENVIS centre has gave more emphasis on database generation on success stories of application carried out by various institutions.	Yes	

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
Needs assessment to prioritize areas and parameters of environmental biotechnology for tracking/ reporting;	Our website was prepared on the basis of need assessment of researchers, stakeholders, scientist, students and NGOs.	
Consult experts/ stakeholders to identify optimum means of collecting, processing, and reporting;	We are consulting the various environmental experts/ stakeholders regularly for better improvement of our website and planning better service of the centre.	
Different sections of the website may be updated to reflect current information;	All sections of the website are updating regularly. All the section contains the current information regarding the biotechnologies and their applications	
All links may be checked for accuracy and corrected where erroneous;	All links given in the website were checked and updated regularly.	
Networking with Industry who deals with biotechnology;	Linkages of biotechnological	

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
	industries negotiation under process.	
Development of more value added information products to be taken up;	Biotechnological companies' products and information ware included in the website and updated regularly.	
Development of bilingual Website, publication of Newsletters in vernacular to increase awareness.	We have uploaded information on preparation and application of Vermicompost in Bengali language.	
<b>Suggestions for improvement by Processing Division, MoEF &amp;CC</b>		
ENVIS policies /Objectives should not changed from time to time.		
<b>A. Regular Activities: Web-based Environmental Information</b>		
<b>Collection and Compilation of Information and Data</b>		

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
1. Systematically collect, compile and disseminate data on “Environmental Biotechnology” for providing information services.	Yes	-
2. Publishes Newsletters, Abstract volumes and leaflet on the subject for wide dissemination of information	Yes	
3. Development of website in the field of Environmental Biotechnology for researchers, academician, students commercial entrepreneurs of specific areas and policy makers to getting the information through internet.	Yes	
4. Organize outreach activity, training on thematic subjects.	Yes	
5. Development and documentation of Environmental Biotechnology data bank	Yes	
6. Established liaison with various concerned institute and departments of India and abroad, working on the field of Environmental Biotechnology.	Yes	
7. This Centre increasing its website linkages with information sources within the country & abroad for increasing the information content.	Yes	
8. Our ENVIS centre is		

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
<p>giving more emphasis on database generation on success stories of application carried out by various institutions.</p> <p>9. We intend to tie up with different industries to solve their problems regarding waste disposal, treatment and recycling, greenbelt development through different biotechnological strategies.</p> <p>10. Different sections of the website reflecting the current information</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p>	
<b>Maintenance of ENVIS Website and User Engagement through it</b>		
<p>Since our Website is not restructured, we don't have the user engagement.</p>		-
<b>Maintenance of ISBEID and Preparation of State of Environment (SoE) Reports</b>		
NA		
<b>Publications and Value-Addition</b>		
<ul style="list-style-type: none"> <li>• <b>Newsletter</b></li> <li>✓ INTEGRATED PEST MANAGEMENT, Publication date: January – June, 2015</li> <li>✓ NANO TREE FOR NOVEL ENERGY HARVESTING, Publication date: July – December, 2015</li> <li>• <b>Abstract Volumes</b></li> <li>✓ ENVIS Centre on</li> </ul>	<p>250 numbers published and circulated</p> <p>300 numbers published</p>	

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
Environmental Biotechnology, Abstract Volumes 26 & 27, Publication date: January-June, 2015 to July – December, 2015). <b>• Book</b> <b>“Recent Biotechnological applications in India”</b>	200 numbers of each abstract volume published and circulated           Under process	
<b>Reaching-out/Networking Activities</b>		
<b>Workshop/seminar</b> organized by the centre.	--	
ENVIS Activities at Barrackpore Rly Station during exhibition on Science Express Climate Action Special (SECAC) from 18-21 January, 2016.	During the visit of Science Express Climate Action Special (SECAC) we have displayed activities of our ENVIS centre to the school children, research students, NGOs and academicians those visited our stall. We demonstrate our centre's activity and also distributed the new letter/handout and books etc.	<a href="http://www.deskuenvis.nic.in/pdf/ENVIS%20Activities%20at%20Barrackpore%20in%20Science%20express.pdf">http://www.deskuenvis.nic.in/pdf/ENVIS%20Activities%20at%20Barrackpore%20in%20Science%20express.pdf</a>
Bhuvan workshop	Customised Hands-on Bhuvan Training Programme for	<a href="http://deskuenvis.nic.in/workshop.asp">http://deskuenvis.nic.in/workshop.asp</a>

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
	ENVIS Centres from 19th & 20th November, 2015 was organised by NESAC, Shillong.	
ENVIS Workshop	National Evaluation Workshop for ENVIS Centres (17th – 19th February, 2016) at New Delhi	<a href="http://deskuenvis.nic.in/workshop.asp">http://deskuenvis.nic.in/workshop.asp</a>
<b>B. SPECIAL ACTIVITIES</b>		
<p><b>Special day celebration</b></p> <p><b>1. Environmental day On 5<sup>th</sup> June, 2015</b></p> <p><b>2. Aranya saptaha), 2015</b></p>	<p>The Hon'ble Vice-Chancellor, Professor Rattan Lal Hangloo inaugurated the World Environment Day by planting the tree sapling. Prof S.C Santra (ENVIS Coordinators) and all the Department of Environmental Science faculties and staffs were planted the sapling. ENVIS Centre on “Environmental Biotechnology” celebrates the Aranya Saptaha 20th of July,2015. The Hon'ble Vice</p>	<p><a href="http://www.deskuenvis.nic.in/Environmentday.asp">http://www.deskuenvis.nic.in/Environmentday.asp</a></p> <p><a href="http://www.deskuenvis.nic.in/pdf/aranyasaptaha.pdf">http://www.deskuenvis.nic.in/pdf/aranyasaptaha.pdf</a></p>

Activity/ Target	Achievements	Shortfalls, if any, and reasons therefore
	<p>Professor Rattan Lal Hangloo inaugurated the Aranya Saptaha Prof. Sumit Mukharjee, Dean of Arts and Commerce Prof. S.C Santra (ENVIS Coordinators) staff members, research scholars and students of Environmental Science were planted the tree saplings. About <b>1000 nos</b> of tree saplings were planted in this year.</p>	
<p>Mobile Apps launched by the Honourable Minister of State (Environment), Shri Prakash Javadekar, Govt. of India</p>	<p>Four Mobile Apps (android versions)</p>	<p>Via Play Store</p> <p><a href="https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en">https://play.google.com/store/apps/details?id=com.envis.envis&amp;hl=en</a></p> <p><a href="https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en">https://play.google.com/store/apps/details?id=com.fungi&amp;hl=en</a></p> <p><a href="https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en">https://play.google.com/store/apps/details?id=com.yourapp.yourapp&amp;hl=en</a></p> <p><a href="https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en">https://play.google.com/store/apps/details?id=com.pathak.pathakmachines&amp;hl=en</a></p>



**Selected photographs (Delhi Workshops 17-19<sup>th</sup> February, 2016)**



Mobile Apps launched by the Honourable Minister of State (Environment), Shri Prakash Javadekar, Govt. of India



Our IT Assistant receiving the memento from Smt. Anandi Subramanian, Sr. Advisor, MOEF&CC, GOI



ENVIS Exhibition of the ENVIS Workshop, New Delhi



ENVIS Exhibition of the ENVIS Workshop, New Delhi



Interaction Session of the ENVIS Workshop, New Delhi

13.	<b>New initiatives taken during the previous Financial Year (2015-16):</b>	Publication of books on “ <b>Recent Biotechnological applications in India</b> ”, Special Day celebration like World Environmental Day & Aranya saptaha and developing of theme based four mobile Apps.
14.	<b>Date of most recent physical verification by the Ministry:</b>	ENVIS National Programme Coordinator (Mr. Rajanish) visited our centre on 6 <sup>th</sup> March 2014.

**15. Status of existing hardware:**

	Hardware item	Specification	Sanction Order with Date	Date of procurement
Procured from ENVIS Grant 2014-15	NA			

**16. Status of utilization of grant in current year (2015-16) and reasons for shortfalls, if any:**

	Head of Expenditure	Sanctioned amount (Rs.)	Actual Expenditure (Rs.)	Reasons for Shortfall/ Excess (if any)
Recurring Annual	Manpower	6,27,456/-	6,27,456/-	
	Databases, etc.	2,80,000/-	2,80,000/-	
	Travel & Training	30,0000/-	30,0000/-	
Non-Recurring (SoER)	Preparation of State of Environment Report	NA		

**17. Issues/ hurdles faced in undertaking ENVIS activities:**

	As our website is not restructured by Ministry, we are not able to access the user statistics of our website and data base.
	The post of the programme officer should be re-designated as project scientist.
	ENVIS staffs are not getting the revised salary with HRA like other funding projects (DBT, DST, CSIR, ICAR etc.) Government of India.

**Annex****Status of data entry in ISBEID: (For State/ UT ENVIS Centres):**

Module	Sub-Module	Fields	Period for which data updated			
			State-level		District-level	
			Annual	Monthly	Annual	Monthly
I. Adminis- trative	1. General	Name				
		No. of Districts (with name)				
		No. of Mandals/ Tahsils/ Taluks (with name)				
		No. of Blocks (with name)				
		No. of Municipalities (with name)				
		No. of Panchayats				
		No. of Cities with million plus population (with name)				
		No. of Tribal Settlements				
		Elevation above mean sea level (Maximum)				
		Elevation above mean sea level (Minimum)				
		Total geographical area				
		GDP of the state (Sector wise)				
		- Primary				
		- Secondary				
		- Tertiary				
	2. Socio Economics	No. of BPL household in millions				
		% of Household below poverty line				
	3. Climate	Average mean monthly temperature (Max.)				
		Average mean monthly temperature (Min.)				
		Total annual Rainfall				
		Relative Humidity				
	4. Demography	Population (for last 4 decades - 1961 - 71 - 81- 91- 2001)				
		Total Population				
		Males Population				
		Females Population				
		Density				
		Area in				
		No. of females/thousand males (sex ratio)				
		% of Literacy				
		% of population attending school				
		Crude Birth Rate (Nos. per 1000 population)				
		Crude Death Rate (Nos. per 1000 population)				
	II. Infra- structure	1. Housing	Permanent			
Semi- Permanent						
Temporary						
Average Household Size (Persons per HH)						

Module	Sub-Module	Fields	Period for which data updated				
			State-level		District-level		
			Annual	Monthly	Annual	Monthly	
	2. Medical and Health Service	No. of Government Hospitals					
		No. of Registered private hospitals/ nursing homes					
	3. Transport	No. of Railway Stations					
		Length of Railway Lines					
		Length of National Highways					
		Length of State Highways					
		Length of other roads					
		No. of Domestic Airports					
			No. of international Airports				
	III.Energy	1. Non-Renewable	Coal power generation				
Installed Capacity							
Gas Power generation							
Installed Capacity							
Oil based power generation							
Installed Capacity							
Atomic power generation							
Installed Capacity							
Power from National Grid							
Installed Capacity							
2. Renewable		Hydel power generation					
		Installed Capacity					
		Windmill power generation					
		Installed Capacity					
		Solar photovoltaic power generation					
		Installed Capacity					
		Biogas power generation					
		Installed Capacity					
		Other biomass power generation					
Installed Capacity							
3. Electricity Consumption		Industrial and Commercial					
		Agriculture					
		Domestic					
		Others					
4. Energy Consumption		LPG					
		Other Petroleum Products					
		Coal					
		Natural Gas					
	Other						
IV. Agri-	1. Agriculture Area	Total agricultural area					
		Area under non-agriculture use					

Module	Sub-Module	Fields	Period for which data updated			
			State-level		District-level	
			Annual	Monthly	Annual	Monthly
culture	Classification	Barren and uncultivable land				
		Permanent pasture / grazing land				
		Net irrigated land				
		New Sown area				
		Plantation crops				
		Fallow				
		Area under organic farming thereof				
	2. Agriculture Production	Total production of crops				
		Yield of Kharif Crops %				
		Yield of Rabi Crops %				
		Yield of other crops %				
	3. Crop Production (plantation crops) (in million tons per annum)	Name				
		Production				
		Rice				
		Sowing Area				
		Production				
		Wheat				
		Sowing Area				
		Production				
		Pulses				
		Sowing Area				
		Production				
		Total food grains				
		Sowing Area				
		Production				
		Cotton				
		Sowing Area				
		Production				
		Jute & mesta				
		Sowing Area				
		Production				
		Sugarcane				
		Sowing Area				
Production						
Tobacco						
Sowing Area						
Production						
Oil Seeds						
Sowing Area						
Production						
Cereals						

Module	Sub-Module	Fields	Period for which data updated			
			State-level		District-level	
			Annual	Monthly	Annual	Monthly
		Sowing				
		Production				
		Others				
		Sowing Area				
		Production				
	4. Fertilizer Consumption	Nitrogen				
		Phosphate				
		Potash				
		Others				
	5. Pesticide Consumption	Insecticides				
		Fungicides				
		Weedicides				
		Rodenticide				
		Fumigants				
		Others				
V. Industries	1. Category of Industry	Total No. of Large Scale Industries				
		Total No. of Medium Scale Industries				
		Total No. of Small scale Industries				
		Total No. of Red Category Industries				
		Total No. of Orange Category Industries				
		Total No. of Green Category Industries				
	2. Mining & Quarrying	Iron				
		Copper				
		Lead				
		Zinc				
		Nickel				
		Manganese				
		Bauxite				
		Coal				
Other (Chromite)						
Name of the Mineral Resources						
VI. Tourism & Heritage	1. Tourism & Heritage	Name and location of Heritage sites				
		Name and location of Religious places/centres				
		Name and location Archaeological monuments/sites				
		Name and location of Scenic Areas				
		Name and location of Tourist Resorts				
VII. Natural Resources	1. Land Use Classification	Total Geographical Area				
		Forest				
		Non-Agriculture use				
		Barren and uncultivable land				



Module	Sub-Module	Fields	Period for which data updated			
			State-level		District-level	
			Annual	Monthly	Annual	Monthly
		Permanent pastures and other grazing land				
		Miscellaneous tree crops and groves				
		Cultivable wasteland				
		Fallow land other than current fallow				
		Current fallow Net area sown				
		Gross cropped area				
		Area sown more than once				
		Net irrigated area				
		Gross irrigated area				
		Others				
	2. Land Degradation	Degraded land area				
		Degraded Irrigated land				
		Area affected by shifting cultivation				
		Deforestation rate				
		Total salt affected land				
		Salinization rate				
		Area effected by desertification				
	3. Waste Land	Gullied & or Ravenous Land %				
		Upland with or without Scrub %				
		Water Logged & marshy Land %				
		land affected by Salinity/Alkalinity Coastal/ Inland %				
		Underutilized Degraded Notified Forest Land %				
		Shifting Cultivation Area %				
		Degraded Land under Plantation Crops %				
		Degraded Pastures/Grazing Land %				
		Mining Industrial Wastelands %				
		Sands - Deserted Coastal %				
		Steep Slopping Area %				
		Barren Rocky/Stony Waste/Sheet Rocky Area %				
		Snow Covered and/or Glacial Area %				
		4. Types of Wetlands	Names of wetlands of national importance			
	Names of wetlands of international importance (Ramsar site etc.)					
	Coastal /Estuaries					
	Fresh water Lakes					
	Tanks/Ponds/Reservoirs/Dams					
	Marshes (Tidal/Non-Tidal)					

Module	Sub-Module	Fields	Period for which data updated				
			State-level		District-level		
			Annual	Monthly	Annual	Monthly	
		Swamps					
		Mangroves					
		Flood Plains					
		Total Area of Wetland					
		Others					
	5. Soil Types	Black Soil					
		Red Soil					
		Desert Soil					
		Grey and Brown Soil					
		Saline & Alkaline Soil					
		Laterite Soil					
		Alluvial Soil					
		Mountain Soil					
		Mix Red & Black Soil					
		Peaty Soil					
	VIII. Forest Resource	1. Distribution of Forest Cover	Dense Forest				
			Open Forests				
			Mangroves				
			Trees outside forests				
Numbers							
Area in							
Non Forest							
2. Recorded Forest		Reserved Forest					
		Protected Forest					
		Unclassed Forest					
3. Mining in Forests		Bauxite					
		Chromite					
		Copper					
		Iron					
		Manganese					
		Others					
4. Actual Forest Cover by Density Class		Dense Forest (Crown density Cover Area above 40%) (in ha)					
		Open Forest (Crown density 10- 40% (in ha)					
		Mangrove (in ha)					
5. Forest Produce		Timber poles					
		Fuel wood					
		Pulp & match Wood					
		Sal seeds					
		Kandu/Bedi leaves					
		Gums & Resins					

Module	Sub-Module	Fields	Period for which data updated			
			State-level		District-level	
			Annual	Monthly	Annual	Monthly
		Cane/Rattan & Bamboo				
		Grass /Fodder				
		Drugs/Tannins				
		Spices				
		Lac				
		Others				
	6. Joint Forest Management Committee	Name of District				
		No. of JFMC				
IX. Water Resource	1. Source of Water	Name of River				
		Total Length				
		Catchment Area				
		Seasonality (Perennial/Seasonal)				
		Canals (Length)				
		Reservoirs				
		Tanks, Lakes & Ponds				
		Brackish Water				
		Government Owned Canals				
		Private Canals				
		Tanks				
		Wells				
		Tube Wells				
X. Ground Water Resource	1. Status of Ground Water	Total Replenishable Ground Water Resource				
		Provision for industrial/ domestic/ other uses				
		Available Ground Water Resource				
		Net Draft				
		Balance Ground Water				
		Level of Ground Water Development (%)				
		Utilization Ground Water Resource for irrigation in Net terms				
		Over Exploited				
		Critical Area				
		Gross Draft Estimated on Pro-rata basis				
	2. Categorization of Water Level	Pre-Monsoon average depth to water level				
		Post Monsoon average depth to water level				
		No. of Over Exploited Area				
		total Ground Water Resource				
	3. Use of Ground Water	Quantity of ground water for irrigation				
		Available ground water for irrigation				
		Utilizable ground water for irrigation				

Module	Sub-Module	Fields	Period for which data updated				
			State-level		District-level		
			Annual	Monthly	Annual	Monthly	
		Net ground water draft					
XI. Ecology	1. Ecological Areas	Name of Biogeographical Zones					
	2. Ecology Type	Name of National Parks					
		Name of Wildlife Sanctuaries					
		Name of Bird Sanctuaries					
		Name of Tiger Reserves					
		Name of Elephant Reserves					
		Name of Biosphere Reserves					
	3. Botanical Gardens	Name of Protected Mangroves area (Private & Public)					
		Name of Botanical Garden					
		Area of Botanical Garden					
		Location					
	4. Zoological Parks	Uniqueness					
		Name of Zoological Park					
		Area of Zoological Park					
		Location					
	5. Physiographic Features	Uniqueness					
		Mountain Name					
	XII. Sanitation	1. Hygiene & Sanitation	Height (Meter)				
			No. of Town covered				
No. of Town not covered							
2. Air Borne Disease		Total No. of treatment plants					
		Type of Disease					
		Name of Disease					
3. Water Borne Disease		No. of Deaths					
		Type of Disease					
		Name of Disease					
XIII. Water Pollution	1.	No. of Deaths					
		River Name					
		Location					
		BOD					
		COD					
		Ph					
		Total Coliform					
Conductivity							

Module	Sub-Module	Fields	Period for which data updated			
			State-level		District-level	
			Annual	Monthly	Annual	Monthly
XIV. Air Pollution		Lake Name				
		Location				
		BOD				
		COD				
		Ph				
		Total Coliform				
		Conductivity				
	1. Industrial	SO <sub>2</sub>				
		NO <sub>x</sub>				
		Suspended Particulate Matter (SPM)				
		Respirable Suspended Particulate Matter (RSPM)				
	2. Residential	SO <sub>2</sub>				
		NO <sub>x</sub>				
		Suspended Particulate Matter (SPM)				
Respirable Suspended Particulate Matter (RSPM)						
3. Vehicular Pollution	No. of Vehicles					
	Type of Vehicles					
XV. Bio- diversity	1. Flora	Total Species (RET)				
		Redbook species No.				
	2. Fauna	Total Species (RET)				
		Redbook species No.				
XVI. Waste	1. Type of Waste	Hazardous waste (HW) in t/a				
		E-waste thereof in t/a				
		Biomedical waste (BMW)				
		Municipal Solid Waste (MSW)				
		Plastic Waste				
		Waste Water				
		Treatment/Disposal (for all 5)				
	2. Clean Technology	Type of Industries				
		Name of technology used				
	3. Effluent Treatment Plant/CEPT	Name of District				
		No. of Plants				
XVII. Disaster	1. Disaster	Type of Disaster				
		Year				
		Affected districts in nos.				
		Population affected (in millions)				
		Damage in crore INR				

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