



**ENVIRONMENTAL PLANNING & COORDINATION  
ORGANISATION (EPCO)**

**ANNUAL REPORT  
2021-22**



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## INTRODUCTION

The Environmental Planning & Co-ordination Organization (EPCO) was founded on World Environment Day, June 5, 1981, as a registered society, sponsored by the Department of Housing and Environment to act as the principal advisory body to the Government of Madhya Pradesh on environmental matters.

Over the years, EPCO has further expanded its activities and strengthened its technical, managerial and financial capabilities for taking up broad-based field oriented programs of environmental research, training and planning. Management of affairs of the EPCO is entrusted to its Governing Council (GC), the current composition of which is as follows:

### **Governing Council (As on 31.03.2022)**

1.	Director General, EPCO	Chairman
2.	Principal Secretary, Environment Deptt., Govt of M P, Bhopal	Member
3.	Secretary, Forest Deptt., Govt. of M P Bhopal	Member
4.	Secretary, Finance Deptt. Govt. of M P Bhopal	Member
5.	Chairman, MPPCB, Bhopal	Member
6.	Vice Chancellor, Barkatullah University, Bhopal	Member
7.	Director, Town & Country Planning, Bhopal	Member
8.	Director, Indian Institute of Forest Management, Nehru Nagar, Bhopal	Member
9.	Director, National Law University Institute, Bhadbhada Road, Bhopal	Co-opted Member
10.	Executive Director, EPCO, Bhopal	Member Secretary
11.	Engineer-in-Chief, Public Health Engineering Deptt. Satpuda Bhawan, Bhopal	Member
12.	Office-in-charge, Regional Office, MoEF&CC, Bhopal	Member
13.	Office-in-charge, Regional Office, CPCB, Bhopal	Member

EPCO is organized in Research & Training Division, Planning Division, Climate Change Cell, General Services Division and SEIAA.

EPCO is located in its own campus in South Bhopal. In its own building, this came up in 1987.

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## ADMINISTRATION

The Administrative wing of the organization looks after General Administration, Personnel and Estate Management activities. The position of staff, as on 31.03.2022 is as follows:

### Staff Position during 2021-22

1.	Director General	1
2.	Executive Director	1
3.	Administrative Officer	1
4.	Chief Scientific Officer	1
5.	Chief Engineer	1
6.	Chief Architects	3
7.	System Analyst	1
8.	Superintending Engineer	1
9.	Assistant Architect	4
10.	Architect Grade 1	5
11.	Senior Scientific Officer	4
12.	Executive Engineer Grade 1	3
13.	Accounts Officer (On Deputation)	1
14.	Private Secretary	2
15.	Assistant Engineer	1
16.	Modellor Grade 1	1
17.	Assistant Admn. Officer (Admn. / Estt)	2
18.	Assistant Accounts Officer	1
19.	Personal Assistant	2
20.	Asstt Programmer	1
21.	Admn. Assistant	2
22.	Stenographers	2
23.	Asstt. Librarian	1
24.	Assistants	2
25.	Accounts Assistants	3
26.	Receptionist	1

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27.	Library Assistant	1
28.	Budget Asstt	1
29.	UDC	1
30.	Inventory Asstt	1
31.	Electrician	1
32.	Junior Assistants	5
33.	Steno Typist	2
34.	Jr. Budget Asstt	1
35.	Drivers	6
36.	Peons	23

# ACCOUNTS

## DETAILS OF STATE & CENTRAL SPONSORED PROJECTS

### (RECEIPTS & EXPENDITURE)

#### Project Receipts- Expenditure Statement 2021-22

##### A. State Sector Schemes

(Rs. In Lakhs)

S No.	Project Name	Opening Balance	Received During the Year	Total	Expenditure
1	Urban Water Bodies	675.35	200.00	875.35	190.85
2	Research Trg. & Education	162.10	750.00	912.10	511.79
3	Indira Gandhi Fellowship	30.55	9.99	40.54	2.64
4	SEIAA & SEAC	1.48	100.00	101.48	101.28
5	S K M C C	167.16	125.00	292.16	80.35
6	M P Wet land Authority	181.41	80.00	261.41	36.36
7	Shivana River, Mandsour	0.14	110.00	110.14	60.81
	<b>Total</b>	<b>1218.19</b>	<b>1374.99</b>	<b>2593.18</b>	<b>984.08</b>

##### B. Central Sponsored Schemes (National River/Lake Conservation Plan)

S No	Project Name	Opening Balance	Received Central Govt.	Received State Govt.	Total	Exp.
1	NLCP Sagar Lake, Sagar	368.76	0.00	0.00	368.76	0.00
2	NLCP Shivpuri Lake, Shivpuri	1046.42	0.00	0.00	1046.42	250.00
3	NRCP Beehar River, Rewa	1025.95	0.00	0.00	1025.95	0.00
4	NRCP Narmada River, Hoshangabad	1161.65	0.00	0.00	1161.65	0.00
5	NRCP Mandakini River, Chitrakoot	0.15	0.00	0.00	0.15	0.15
6	Sirpur lake, Indore	187.55	0.00	0.00	187.55	0.00
7	Sindh Sagar, Ishagarh, Ashok Nagar	323.29	0.00	0.00	323.29	2.73
8	Bhojwet Land Project	110.95	0.00	0.00	110.95	0.00
9	Amrit Sagar, Ratlam	169.36	0.00	200.00	369.36	0.06
10	Sita Sagar, Datia	877.00	0.00	425.00	1302.00	200.00
	<b>Total</b>	<b>5271.08</b>	<b>0.00</b>	<b>625.00</b>	<b>5896.08</b>	<b>452.94</b>

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### C. Central Sector Schemes

S No.	Project Name	Opening Balance	Received During the Year	Total	Expenditure
1	National Green Crops (NGC)	260.08	845.80	1105.88	359.71
2	MAP-AABR 2019-20	0.27	0.00	0.27	36.45
3	MAP- PANNA BR 2020-21	49.16	0.00	49.16	50.50
4	MAP- PACHMARHI BR 2016-17	14.81	0.00	14.81	0.00
	<b>Total</b>	<b>324.32</b>	<b>845.80</b>	<b>1170.12</b>	<b>446.66</b>

### D. Other Schemes

S No.	Project Name	Opening Balance	Received During the Year	Total	Expenditure
1	EPCO Climate Smart Village	632.76	0.00	632.76	631.23
2	D S T	9.12	0.00	9.12	8.95
3	Traditional Water Supply, Indore	88.13	0.00	88.13	83.20
4	Traditional Water Supply, Burhanpur	13.80	0.00	13.80	18.16
5	SAP on Climate Change	8.03	0.00	8.03	0.11
6	MOEF Climate Change	0.06	0.00	0.06	0.00
	<b>Total</b>	<b>751.90</b>	<b>0.00</b>	<b>751.90</b>	<b>741.65</b>

### Accounts

Accounts of the organisation are being maintained on Computer. Audit of the Final accounts of the year 2021-22 not completed.

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## PROJECTS/ACTIVITIES/WORKS (RESEARCH & TRAINING DIVISION)

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### (1) **Biosphere Reserve Project**

The main objectives of the Biosphere Reserve are to conserve the diversity and integrity of plants and animals within natural ecosystems; to safeguard genetic diversity of species on which their continuing evolution depends; to provide areas for multi-faceted research and monitoring; to provide facilities for education and training and to ensure sustainable use of natural resources through most appropriate technology for improvement of economic well-being of the local people.

Under the programme the Ministry of Environment, Forests and Climate Change, Govt. of India notified Pachmarhi Biosphere Reserve in March 1999 covering an area of 4981.72 sq km. It covers parts of Chhindwara, Betul and Hoshangabad districts. Pachmarhi Biosphere reserve has also been recognized on the world network of Biosphere Reserves by UNESCO in May 2009.

In March 2005, the Ministry designate Achanakmar-Amarkantak as second Biosphere Reserve (AABR) of Madhya Pradesh covering an area of 3835.51 sq. km. Out of the total area 32% area falls in Madhya Pradesh and remaining falls in Bilaspur district of Chhattisgarh. In Madhya Pradesh almost equal area falls in two districts viz. Dindori and Anuppur. AABR is also included in the World network of Biosphere Reserves of UNESCO.

The Ministry designate Panna area as Biosphere Reserve on 25.08.2011. Panna BR covers an area of 2998.98 sq km. It is the 3rd BR of the State and 18th BR of the country. Out of the total area 64% falls in Panna district and the remaining 36% falls in Chhattarpur district. Panna BR has been included on the UNESCO's World network of Biosphere Reserves in October, 2020. The document for including the Panna BR on WNBR has been prepared (in-house) by EPCO. EPCO is the Nodal Agency for implementing the Management Action Plan for the Biosphere Reserves in Madhya Pradesh.



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#### **A. MAP of Achanakmar - Amarkantak (MP Part) BR -**

The main activities in the above project are conservation of plant species, Groundwater recharge and control of soil erosion, livelihood improvement through fisheries development, social welfare activities, awareness, education, training and documentation.

The Ministry of Environment, Forests & Climate Change, GoI sanction an amount of **Rs 188.63** lakhs and released Rs 37.50 lakhs as I-instalment for Implementation of Management Action Plan for Achanakmar - Amarkantak (MP-Part) Biosphere Reserve for the year 2019-2020 on the basis of 60:40 between Central and State. The fund released to the implementing agencies (through Collector Anuppur & Dindori) / organisation after addition of state share. Most of the implementing agencies completed the work against the released amount and utilisation certificate of Rs 80.71 lakhs sent to the Ministry. The remaining work will be carried out after receiving the final instalment from the Ministry.

#### **B. Panna Biosphere Reserve -**

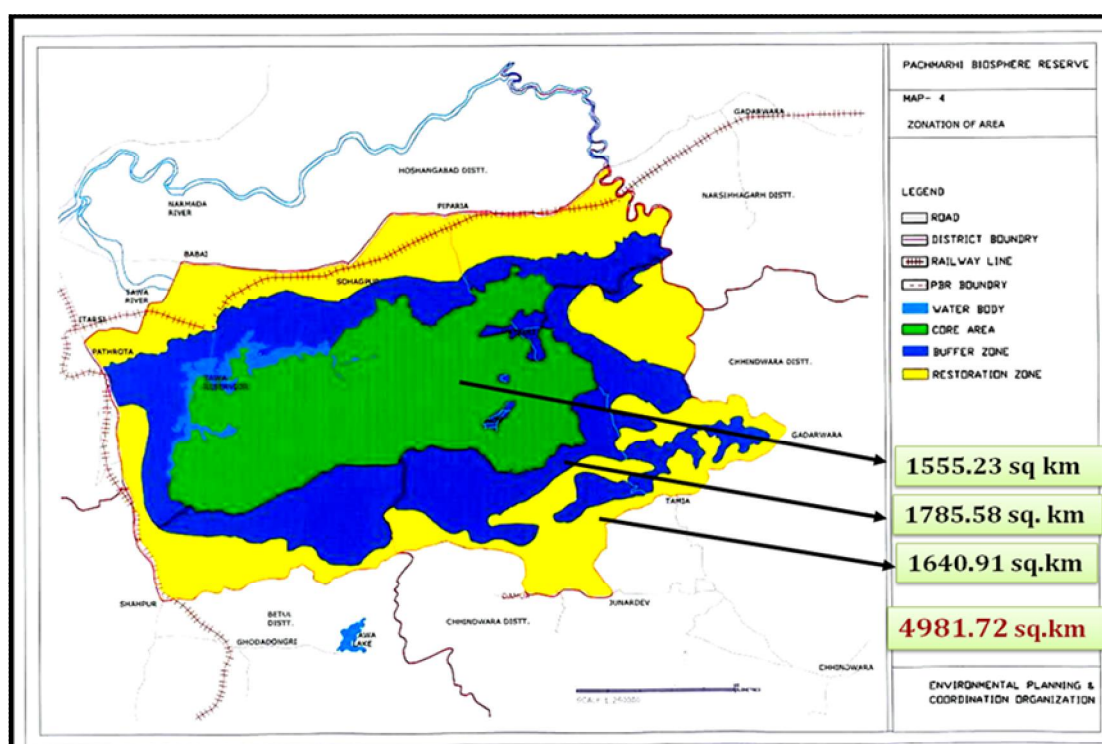
The main activities in the above project are plantation of fruit plants, socio-economic upliftment, promotion of non-conventional energy, social welfare activities, awareness, education, training and documentation, construction of WNBR plaque, organisation of nature camp for school children etc.

The Ministry of Environment, Forests & Climate Change, GoI sanction an amount of **Rs 193.51** lakhs and released Rs 62.00 lakhs as I-instalment for Implementation of Management Action Plan for Panna Biosphere Reserve for the year 2020-2021 on the basis of 60:40 share between Central and State. The fund released to the implementing agencies (through Collector Chhatarpur & Panna) / organisation after addition of state share. Some implementing agencies completed the work against the released amount and utilisation certificate of Rs 39.65 lakhs has been sent to the Ministry. The remaining work is under progress.

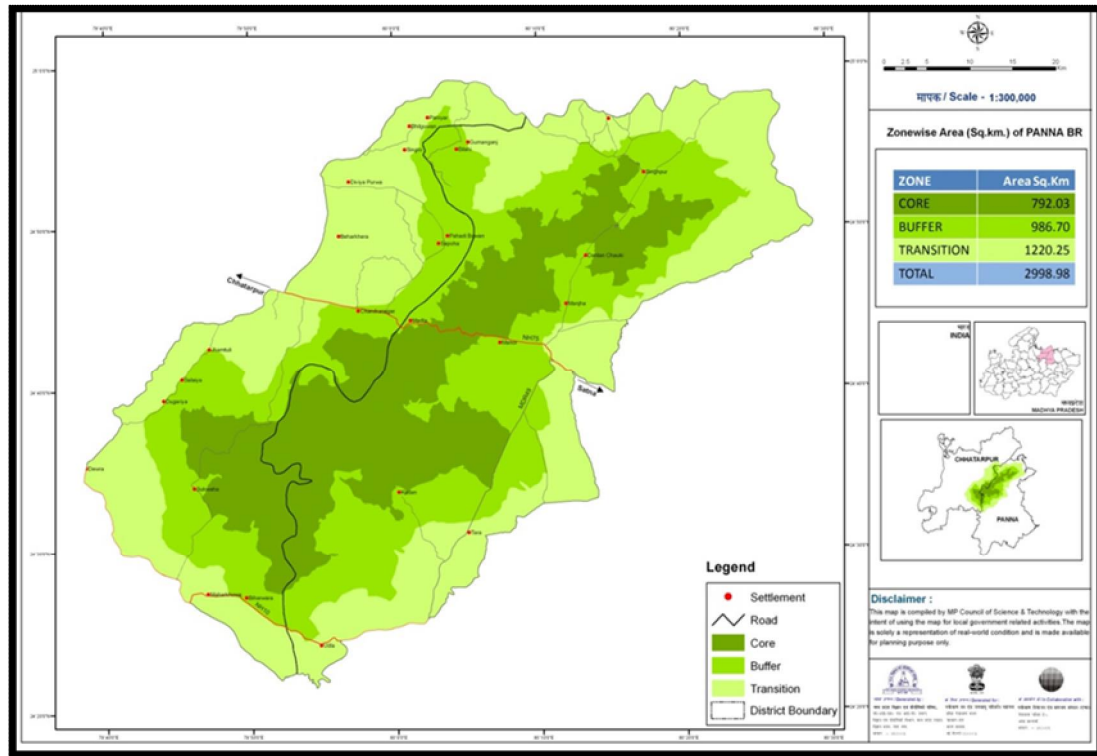
### C.Designation of Kanha, Bandhavgarh and Pench areas as Biosphere Reserve -

In view of the direction of MoEF & CC, the State Level Steering Committee decided to prepare a project document for designating the Kanha, Bandhavgarh and Pench areas as Biosphere Reserve. The draft project document of Kanha and Pench areas have been sent to the MoEF &CC, GoI and National Man and Biosphere Committee for suggestion/ comment, if any. The final document will be sent to the Ministry for designating Pench and Kanha areas as Biosphere Reserve after receiving the recommendation from the Ministry & MAB committee.

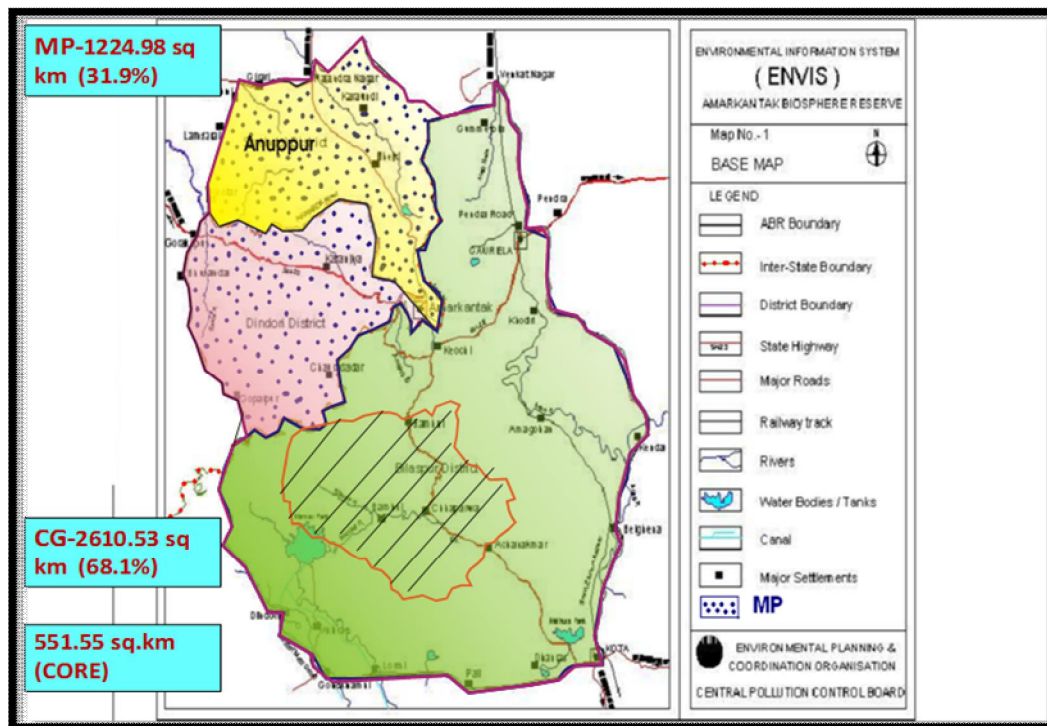
#### Pachmarhi Biosphere Reserve



## Panna Biosphere Reserve



## Achanakmar-Amarkantak Biosphere Reserve



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## **(2) State Knowledge Management Centre on Climate Change (SKMCCC)**

With the support of Department of Science and Technology, Govt. of India under the National Mission for Strategic Knowledge on Climate Change (NMSKCC) Madhya Pradesh State Knowledge Management Centre on Climate Change (SKMCCC) has been established in EPCO in 2010-11.

Government of Madhya Pradesh has declared Environmental Planning & Coordination Organization (EPCO), Department of Environment as the “**State Designated Agency for Climate Change**”. The objectives of SKMCCC are to create, collate and disseminate climate change related knowledge and integrate climate change concerns into development planning process of the state through:-

- Connecting science, policy and practice
- Carrying out research studies on climate change
- Formulation and implementation of pilot projects on climate change
- Organizing training, capacity building and awareness programs on climate change
- Providing scholarships and internships to research scholars and students
- Creation of strategic knowledge networks and institutional partnerships

A dedicated climate change knowledge portal has been developed and hosted at State Data Centre of MP. The portal can be accessed at <http://www.climatechange.mp.gov.in/>

### **Major activities & project of SKMCCC**

#### **i. Department of Science and Technology (DST) support to SKMCCC**

SKMCCC acts as the state unit of NMSKCC with an objective to create strategic knowledge, collate, analyse and disseminate climate change related knowledge in MP. In 2018-19, the first phase of the DST project has completed in Aug 2019. DST has rated the project & activities as “**Excellent**” in the review meetings of National Steering Committee and has extended the project support for another 5 years. Second phase of the project worth Rs. 281.00 lakhs for 5 year viz. FY 2019-20 to 2024-25 has started since Mar 2020. The first installment of the project grant of Rs 55.25 lakhs has been received to EPCO.

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## ii. Climate Vulnerability Assessment for Adaptation Planning in India using a Common Framework

A National level Climate Change Vulnerability Assessment study has been carried out by DST in association IISc Bangalore, IIT Guwahati, IIT Mandi and all the states of the country. MP was also one of the participating states in this process. The states prepared their own vulnerability assessment reports and submitted to DST. Compiling the reports submitted by each of the states, a National level Climate Change Vulnerability Assessment report has been produced by DST, GoI. The report was launched in April 2021 by DST, GoI.



## iii. Climate Smart Cities Assessment Framework (CSC-AF)

SMART Cities Mission under the Ministry of Housing and Urban Affairs (MoHUA), GoI launched 'Climate Smart Cities Assessment Framework (CSC-AF)' in February 2019. This framework is a city assessment framework on climate relevant parameters. The CSC-AF serves as a tool for cities to assess their climate readiness and provides a roadmap for adopting and implementing relevant climate actions.

CSC-AF consists of 30 indicators across five categories namely; (i) Energy and Green Building, (ii) Urban Planning, Green Cover and Biodiversity, (iii) Mobility and Air Quality, (iv) Water Resource Management and (v) Waste Management. One of the important indicators to assess the Climate SMART readiness of the cities is development of City Climate Action Plans (CAPs), covering both mitigation and adaptation measures, and has to be prepared and implemented by the city.

In this endeavor, EPCO has collaborated with World Resources Institute (India) to support the 7 SMART cities in developing these plans. EPCO is providing institutional and administrative support to Smart Cities & WRI India.

As a part of the collaboration, a launch-cum-planning workshop was organized in February 2020 with participation from 7 SMART cities and concerning line departments to prepare a roadmap for the planning process. WRI India has submitted draft plans for all the 7 smart cities and in turn, EPCO has shared the plan documents with the CEOs of

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respective smart cities. Stakeholders' consultations in each smart city have been planned in the next FY.

#### **iv. Chief Minister's Scholarship for PhD on Climate Change**

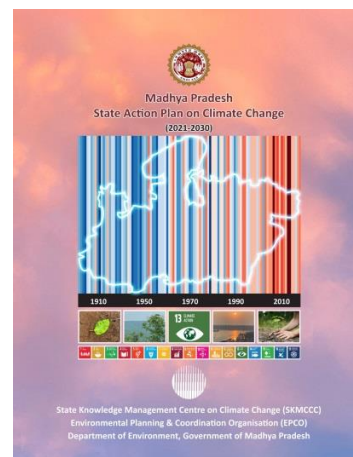
SKMCCC is coordinating a prestigious scheme of Chief Minister's Scholarship for PhD on Climate Change, making MP one of the leading states in the country. 21 premier universities/ research institutes located in Madhya Pradesh are the participating institutes. Till FY 2021-22, 16 candidates have received this scholarship.

Scholarships are being provided to the research scholars pursuing Ph.D. on the impacts and solutions of the climate change in sectors such as forest, biodiversity, wildlife, agriculture, horticulture, animal husbandry, fisheries, water resources, energy and renewable energy, industries, climate change aspects of urban and rural development, human health etc. The selection of research scholars are done through a transparent process. There is a provision of total scholarship of Rs 10.50 lakhs per research scholar for 3 years.

#### **v. Revision of State Action Plan on Climate Change**

MoEFCC has advised all the states to revisit & revise their respective State Action Plans on Climate Change (SAPCC) synergising with the Nationally Determined Contributions (NDCs) and Sustainable Development Goals 2030. Ministry has sanctioned INR 20.0 Lakhs as grants to support states for preparation of SAPCC.

In this context, EPCO initiated the process of revising the MP SAPCC and a multi expert consultative group has been formed which has met twice to deliberate on the form & content of SAPCC. The concerning departments have also given their comments on the respective chapters. The progress of project has been reviewed by higher level officials. Draft of SAPCC v 2.0 has been shared with MoEFCC. The MP SAPCC is in the advanced stage of completion and soon it will be placed for approval before state steering committee headed by Chief Secretary.



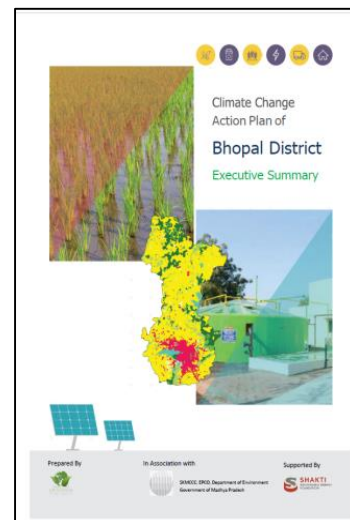


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## vi. District Climate Action Plans (DCAPs)

EPCO in technical association with reputed think tank organizations have developed District Climate Action Plans (DCAPs) for few districts of the state of MP. As of now, DCAPs for 5 districts have been completed viz. Gwalior, Tikamgarh, Dewas in association with IPE Global Research and while Bhopal & Indore in association with Vasudha Foundation.

A stakeholder workshop has been organized to share findings of district climate action plans of Bhopal and Indore. Officials of district administration, academicians, and civil society organizations were present in the event.



## vii. Training of forest officials under CAMPA

MP Forest Department has sanctioned an amount of Rs. 1.20 crore for training program exclusively for forest officials under CAMPA on **Environment, Climate Change & Forest Management** wherein 50 training programs in each of the district of the state would be organised. Till March 2022, 11 training programs in Raisen, Sehore, Alirajpur, Nivadi, Sagar, Damoh, Rajgarh, Dewas, Ujjain, Shajapur, Dhar, Indore and Betul districts have been organised and more than 400 forest officials have participated in the training program. These district level trainings are being impacted by in house experts.



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#### viii. Training and capacity building

- A training programme on Climate resilient Agriculture practices with officials of farmer's welfare and agriculture development department and farmers was organized in Sehore and Rajgarh districts. The objective of the programmes is to share the concerns and impacts of climate change and discuss how climate change affects agriculture and soil health in the state of Madhya Pradesh. More than 500 farmers and officials were present in the programme.
- **Women's Day Celebration 2022:** International women's day was celebrated in the auditorium of EPCO-LCA building on 08<sup>th</sup> March 2022 on the theme "Women and Sustainability". A roundtable was held, where Dr. Madhu Verma, delivered key note lecture on climate change, resilience and ecosystem management. Dr. Aditi Kapoor, shared her views on gender and climate change. The programme was attended by students from different colleges.



#### ix. Enhancing Adaptive Capacity to Climate Change through Conservation of Traditional Water Supply Sources (Wells and Bawdies) of Indore City

The project has been sanctioned under Climate Change Action Programme (CCAP) of MoEFCC worth INR 5.00 crores. EPCO has received an amount of INR 5.00 crores from MoEFCC as grant-in-aid, and in turn, released an amount of INR 4.90 crores to Indore Municipal Corporation (IMC) for execution of project activities.



The prime objective of the project is to rejuvenate 330 traditional water sources like wells & bawdies falling under IMC jurisdiction. Currently more than 283 open & step wells have been renovated & restored. A review of the project has been done by the officials of MoEFCC. On the request of Govt. of Madhya Pradesh MoEFCC has extended project duration up to June 2022.



EPCO has received requests from some District Collectors for providing technical support to replicate similar project which shows the potential of the project in reducing the impacts and enhancing adaptive capacity to climate change.

#### **x. Enhancing Adaptive Capacity to Climate Change through Conservation of Traditional Water Supply Sources (Wells and Bawdies) of Burhanpur City**

MoEFCC has sanctioned EPCO's second project under Climate Change Action Programme (CCAP) worth Rs. 5.00 crores as grant-in-aid, and in turn, released an amount of INR 2.50 crores to EPCO. The execution of the project activities is being carried out by Burhanpur Municipal Corporation (BMC) and Forest Department, District Burhanpur. On the request of Govt. of Madhya Pradesh MoEFCC has extended project duration up to December 2022.



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### The specific objectives of the project are:-

- Inventories traditional water supply sources (well, bawadies, etc.) of the Burhanpur.
- Promote traditional water conservation system by restoration and renovation of 71 traditional water storing bodies viz. wells and bawadies in Burhanpur.
- Expeditious implementation of catchment treatment of Kundi Bhandara network including activities such as plantation, grassland development, soil moisture conservation etc.
- Rainwater harvesting and promote artificial recharge in areas near to traditional water bodies viz. wells and bawadies.
- Facilitate community engagements for effective management of traditional water conservation system.



The restoration work in 54 wells, rainwater harvesting in 102 buildings, restoration of Jali karanj and Mandi Karanj has been completed and the treatment activities like fencing, plantation, and building check dams, etc. in the catchment area of Kundi Bhandara is being implemented.

### **xi. Enhancing Adaptive Capacity to Climate Change through Developing Climate Smart Villages in Three Vulnerable Districts of Madhya Pradesh**

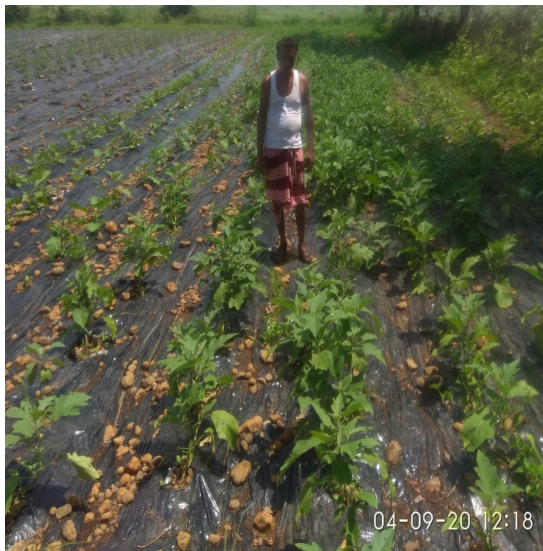
A project is being implemented on developing 360 climate smart villages in three vulnerable districts of Madhya Pradesh, namely, Rajgarh, Satna and Shohore (120 villages each). MoEFCC has sanctioned it under National Adaptation Fund on Climate Change (NAFCC) with a total cost of Rs. 24.87 crores.



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EPCO has received an amount of INR 6.50 crores from NABARD as IIInd installment of the project grant. The execution of the project is being done by the Department of Farmers Welfare & Agriculture Development, Govt. of MP.

Project outcome is to reduce key risks and adverse impacts of climate change in water and agriculture sectors, maximised multi-sectoral, cross-sectoral benefits/co-benefits to meet the challenges of water and food security, strengthened institutional & individual capacity to reduce risks associated with climate-induced socioeconomic and environmental losses and Strengthened awareness and owners



hip of adaptation and climate risk reduction processes at local level vi. Increased adaptive capacity within relevant development and natural resource sectors

The through the project interventions more than 33 thousand farmers getting benefitted from drought tolerant seeds and agroforestry, 426 farmers benefitted from lined farm ponds, around 14,796 farmers benefitted from soil and nutrient smart interventions, 4351 farmers adopted crop residues management and direct seeding of rice cultivation practices. More than 10,000 farmers trained on climate resilient practices in and around selected project villages. Under the Nutrient smart interventions 10,000 soil health card have been distributed to farmers of 60 project villages.

In the month of November 2021, the CAG audit team of MoEFCC audited and review the project activities. The team was satisfied by the project interventions during the field visit.

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### **(3) MP State Wetland Authority (SWAMP), EPCO**

- 1) In compliances of Wetlands (Conservation & Management) Rules 2017, GoMP has constituted State Wetland Authority of MP (SWA\_MP). Environment Department, GoMP is the nodal Department and EPCO provides the technical and secretarial services. The SWA\_MP is responsible for effective implementation of Wetland Rules 2017. It is statutory authority meant to function as state nodal agency to implement the task of development, regulatory structure, integrated management plans and their implementation, capacity building, research, networking, communication, awareness and enhancing financial resources for conservation of wetlands of state. Following are some of the major initiatives and achievements of the SWAMP.
- 2) **New Ramsar Sites** -03 important wetlands öSirpur Wetland and Yashwant Sagar Indore and Sakhya Sagar, Madhav National Park Shivpuri ö has been selected as Ramsar candidates by the state government. After the in-principal consent of the State Government, the concerned department, and the State Wetland Authority. The proposal was sent to the Ministry of Environment, Forest and Climate Change, Government of India. The SWA team has prepared in-house Ramsar Sites Information Sheet (RSIS) on the basis field visit & secondary database and submitted to MoEFCC, GoI for Ramsar site designation.
- 3) **Integrated Management Plan of Dhar and Shajapur-** Five Year Integrated Management Plan of Dhar wetland complex (Munj, Dhoop and Devi Sagar), Dhar and Girwar Talab, Shajapur (MP) has been prepared by Dhar and Shajapur Municipal Councils. The technical and scientific support has been provided by MPSWA, EPCO. After the consent of the State Wetland Authority, it was sent to the GoI for financial assistance. Government of India has sanctioned IMP of Dhar Wetland complex in March, 2022 and also released first instalment an amount of Rs. 540.99 lakh to the State Government.

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- 4) **Wetland Health Cards**- 120 wetlands were selected for the preparation of Health Cards, IMP and Wetland Mitras under wetland rejuvenation program phase II of GoI. The Government of India has given the prescribed format to prepare Wetland Health Card. Under this method, the parameters of the wetland have been fixed, which includes the area of wetlands, hydrology, water quality, biodiversity and the decisions/instructions taken by the government etc., the above information of the wetlands, a category is determined and the score of the wetlands is decided. The water quality was assessed and analysed by the scientific team of Pollution Control Board and EPCO laboratory by conducting field visit and collected water sample from the selected wetlands of MP. Total 110 Wetland Health Cards were prepared and sent to the MoEFCC, Government of India.
- 5) **World Wetlands Day 2022** ó The world wetlands day celebrated on 2nd February 2022; with theme "Wetlands Action for People and Nature". The programme was to raise awareness and to highlight the vital role & importance of wetlands values and its management and restoration. Awareness programme conducted on EPCO auditorium and Van Vihar, Bhoj wetland and wetland self-guided walk for understand the wetland and its value. The Drawing/ Painting competition, Environmental Quiz and Expert talk, etc. were also organized at Boat Club, Bhoj Wetland Bhopal. About 100 participants including School, College students, Teachers, NGOs, representative from Municipal Corporation and local public attended the programme.
- 6) **Nomination of Subject Experts** - According to clause 5 (1) of the Wetland Rules, 2017 the five subject experts and three co-opted members are nominated by the State Government under the Wetland Authority.
- 7) **2<sup>nd</sup> Meeting of State Wetland Authority** - The second meeting of the State Wetland Authority on 1 February 2022 was convened under chairmanship of Hon'ble Minister, Environment Department, GoMP. The state wetland authority was presented the works done in compliance of the wetland rules 2017. The members of the state wetland authority have approved the plan of District Wetland Conservation Committee for the wetland conservation and monitoring the local administrative level.
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- 8) **District Wetland Conservation Committee (DWCC)** –In many districts, conscious civic organizations and environmental activists have been drawing attention to the environmental problems of wetlands through media and other mediums. Keeping in view, Environment Department, GoMP vide order dated 09.03.2022 has been constituted District Wetland Conservation Committees (DWCC) under the chairmanship of District Collectors in all the districts of Madhya Pradesh. The main objective of these committees is that the local administration/urban bodies can be participating in the work of wetlands conservation and management at the district level.
- 9) **Technical and Grievances Committee Meeting** -According to the guidelines issued by the Government of India for the implementation of the Wetland Rules, 2017, the Grievance Committee has been reconstituted to provide a mechanism for hearing and forwarding the grievances raised by the public to the Authority. The technical committee was also reconstituted by the state government to review Brief Documents, Management Plans and advice on any technical matter referred by the Wetland Authority.
- 10) **Regional Workshop** on Wetland Database Generation and Management sponsored by Government of India was organized on 10-11th February 2022. In the two days workshop, about 50 nodal officers from four states namely Chhattisgarh, Madhya Pradesh, Maharashtra, Goa participated in this workshop. A main objective of this workshop was to given training on preparation of brief documents, Health cards and uploads them on the Wetland Portal.

### Wetland Database Generation Training Program



Inaugural session



Technical session



**Group photograph of all invitees**



**Field Visit of Bhoj Wetland**

### **World Wetland Day -2022**



**Welcome of Chief Guest at EPCO Auditorium**



**Sarus Mitra, Bhoj Wetland**



**Event at Van Vihar**

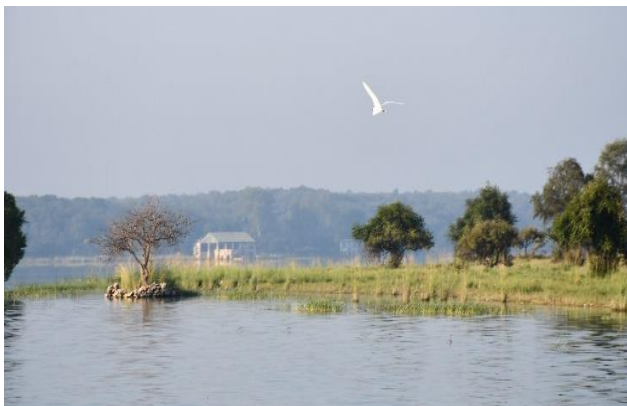


**Self-Guided Wetland Walk, Boat Club**



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**Proposed three Ramsar Sites of MP**



**Sakhya Sagar, Shivpuri**



**Sirpur Wetland, Indore**



**Yashwant Sagar, Indore**



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#### **(4) National Plan for Conservation of Aquatic Ecosystems (NPCA)**

##### **Centrally Sponsored Schemes (Central 60%, State 40%)**

The Wetlands Division of MoEF&CC is currently implementing a centrally sponsored scheme namely, National Plan for Conservation of Aquatic Ecosystems (NPCA) for conservation and management of wetlands in the country on cost sharing basis between Central Government and State Government. The scheme aims at holistic conservation and restoration of wetlands for achieving the desired water quality enhancement, besides improvement in biodiversity and ecosystems. It aims to promote mainstreaming of wetlands in developmental programming with States by supporting formulation and implementation of integrated management plans, capacity development and research.

Various activities covered are interception, diversion and treatment of wastewater, shoreline protection, lake front development, in-situ cleaning i.e. de-silting & de-weeding, storm water management, bioremediation, catchment area treatment, lake beautification, survey & demarcation, bio-fencing, fisheries development, weed control, biodiversity conservation education and awareness creation and community participation. State Wetland Authority, EPCO is nodal agency for this scheme and local bodies (Municipal Corporations, Councils etc.) is the implementing agencies in state.

Under NPCA scheme Bhoj-wetland, Sirpur, Amrit Sagar projects is being implemented and presently Dhar Wetland complex and Girwar Talab Shajapur has been sanctioned by Ministry of Environment, Forest & Climate Change, Govt. of India.

##### **Sirpur Lake, Indore**

Ministry of Environment, Forest and Climate Change, Government of India had identified Sirpur Lake Indore as Wetland of National Importance. So far, four annual plans (total cost 8.31 Cr.) have been approved by the Government of India, out of which three annual plans have been completed and the utilization certificates have been also sent to the Government of India. Annual Plan 2019-20 (3.37 Cr.) is in progress. The following works are being done under this plan the works includes; fencing around periphery, strengthening of bund, public awareness, field exposure and sensitization, weed removal (manual and mechanical) and research studies.

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## **Bhoj Wetland, Bhopal**

The Government of India, MoEF &CC has sanctioned Annual Management Action Plan for Bhoj Wetland (Ramsar Site) Bhopal an amount of Rs 432.03 lakhs. The annual plan 2019-20 is in progress and almost it is in completing stage. Under this Annual Plan the activities includes are supplying, Installation and Commissioning of fountains for aeration and beautification purpose, Removing of Solid waste Material like silt etc. comes through Nallahs, Construction and repairing work of Old Ghats/Visharjan Kunds/ Boundary wall etc. Estimate for development of fringe area of lower lake from Professor Colony to Dandi Park, Providing and installation of Fiberglass Reinforced Plastic (F.R.P.) Hut and Supply of equipmentø for Jeevan Rakshak Dal, Procurement and Installation of Garbage Mild Stone Containers capacity 1.10 cum and Modern syntax Dustbin, Providing and fixing decorative lights at Lower lake, Supplying and installation of MS with Wooden frame benches and Monitoring of Upper lake by Modern technology of remote sensing Mono High-Medium resolution satellite imagery KOMPSAT-3A Product + Resolution 55 cm, Natural colour 55 cm 4 ó Band PS55CM pan + 2.2 m MS.

## **Amrit Sagar, Ratlam**

The Government of India, MoEF &CC has sanctioned Conservation and Management Project for Amrit Sagar, Ratlam an amount of Rs 21.00 crore and released as first installment an amount of Rs 6.85 crore. The implementing agency of the project is Municipal Corporation, Ratlam. The following works is being implemented in the project ó de-silting, de-weeding, diversion of drains, constructed wetlands, solid waste management, weed harvester, fringe area development, fountain, water quality testing, watch tower construction, public awareness etc.

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## (5) National Green Corps (NGC)

National Green Corps (NGC) a nationwide initiative of the Ministry of Environment, Forest & Climate Change (MoEF&CC), Government of India. EPCO is appointed as State Nodal Agency for



NGC Scheme in M.P. The objectives are: to impart knowledge; hands-on experience; requisite skills of observation, experimentation, survey, recording, analysis and reasoning for conserving the environment through various awareness and action oriented activities. All the NGC activities are implemented at three levels viz. Awareness, Observation, Documentation & Action Projects.

### **Outreach of NGC Programme in Madhya Pradesh, 2021-22**

Since 2019-20 there are 26000 eco clubs are formed in 52 districts @ 500 schools per district. During the current financial year EPCO has received grant for 15600 eco clubs only. Hence, EPCO has released the grant to 15600 schools accordingly; however rest of 10,400 eco clubs were also active during the period in organizing different awareness activities and environmental days.

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Particulars	School	Colleges
Number of districts covered	52	50
Number of Schools (Eco-clubs)	26,000	100
Number of Teachers (Eco-club in-charges) / College Professors	26,000	100
Number of Nodal Officer	52	50
Number of Master Trainers	52	50
Number of Students - Eco-club Members (@ 50 per school)	<b>13,00,000</b>	<b>5000</b>

Under the scheme EPCO conducted training programmes for Master trainers, Quiz masters, College Professors/Asst. Professors, district specific Ecoclub In charge teachers and students through online mode due to Covid-19 Pandemic. Coordination, monitoring and evaluation with different departments along with implementation of environmental activities with schools at grass root with the aim to build cadres of young children working towards environmental conservation for a more secure and sustainable planet.

### **Major activities organised during 2021-22:**

Awareness and Action oriented programmes for Ecoclub Schools, Colleges, Communities and general public were organized by NGC State Nodal Agency EPCO through online and offline medium keeping in view the corona epidemic. The details are follows:

#### **❖ Celebration of Environmental Days:**

- World Earth Day : 22 April 2021
- World Biodiversity Day : 22 May 2021
- World Environment Day : 05 June 2021
- World Ozone Day : 16 September 2021
- World Wetland Day : 02 February 2022
- World Sparrow Day : 20 March 2022

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- ❖ **Swachhta Action Plan:** Under the Swachhta Action Plan, cleanliness fortnight and other cleanliness programs, various awareness activities related to cleanliness were organized among the Eco Club students.
  - ❖ **Azadi ka Amrit Mahotsav:** Under the Amrit Festival of Independence, the first phase from 21 to 27 May, 21 and the second phase from 03 to 09 September, 21 and the third phase from 17 to 23 December, 21 - Eco club students and professors under the National Green Core Scheme as per the instructions of the Government of India. At the individual level, activities were organized on the topics of restoration of ecosystem around them, plantation, greenery in cities, maintenance of gardens, cleaning of water bodies etc.
  - ❖ **Celebration of the prestigious week:** Under the Amrit Mahotsav program of Azadi, from 04 to 10 October 2021, with the main theme of Single Use Plastic, Green Habits for Sustainable Environment such as Water Conservation, Wildlife Conservation, Tree Plantation and Eco Clubs for Schools and Colleges through online medium. Various public awareness programs were organized by EPCO for the students.
  - ❖ **Tide Turner Campaign:** Under the joint aegis of Ministry of Environment, Forest and Climate Change, Government of India and United Nations Environment Program, Tide Turner Plastic Challenge-2021 program has been organized online for Eco Club schools and colleges under the National Green Core Scheme. In which 20 excellent eco clubs were selected out of about 500 eco club schools/colleges at the national level.
  - ❖ **Teacher's Training Programme:** Two-day online training program by Central Academy State Forest Service, Dehradun on 03rd and 04th August, 2021 in subject-protection education by teachers in charge of more than 100 eco club schools at the state level through Microsoft teams and YouTube.
  - ❖ A two-day online training program for teachers and professors of Eco Club schools and colleges was organized on 07 and 08 February 2022 by the Central Academy State Forest Service Coimbatore.

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- ❖ **Green Ganesh Awareness Campaign:** Green Ganesh Awareness Campaign for teachers/professors of Eco Club Schools/Colleges and public on 07-08 September, 21 through online medium, lectures by subject experts and training for making clay Ganesh idols.
  - ❖ **Swachhta Pakhwada (15 to 31 December, 2021):** Under the Cleanliness Action Plan, for the fortnight (from 01 December to 15 December 2021), various awareness activities were organized by the Eco Club Schools/Colleges on the theme- 'Cleanliness and prevention of single use plastics.
  - ❖ **Green Pledge:** Lectures, oath, cleanliness campaign and rally etc. on single use plastic with 10 eco club schools and colleges of Bhopal district locally by EPCO NGC team and for students, teachers and professors of all eco club schools and colleges of the state. 02 Online webinars were organized successfully. Approx 3400 participants took part in the Swachhta program.
  - ❖ **Festival of Rivers:** The festival of rivers of the state was celebrated on 21st December 2021 under the Amrit Mahotsav of Azadi. In which activities like forest area (Laharpur), nature tour, green oath, cleanliness and rally etc. were organized by NGC along with School Residential School Bhopal by NGC. Along with this, online webinar topic ó Rivers and Conservation of the State, was organized by EPCO for the students, teachers and professors of all Eco Club schools and colleges of the state.
  - ❖ **National Girl Child Day:** Subject for students and teachers of all eco club schools of the state on 24/01/2222. Organized online webinars, lectures, online quiz on girls' health, rights and participation in environment protection and 75 excellent eco club girls were awarded by e-certificates for the environmental work done by them.

**Monitoring of Eco club Schools :** The monitoring of programme was conducted through three tier system. All the communication was circulated through emails, phones and whats app message. The District Education Officers (43 districts)/ Assistant commissioners, Tribal Work Department (09 Districts)

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conducted monitoring of Eco-club from time to time. EPCO did random monitoring during the visit to the respective districts along with its other programme (Swachhta Programme, Awareness programme etc.).

From time to time EPCO organized Environmental Campaigns with different stakeholders especially eco-club students and teachers. Some of the major activities under this head are as follows:

- Single Use Plastic Campaign.
- Green Ganesh Awareness Campaign.
- Eco-friendly Holi Celebrations.
- Plantation Drive.
- Swachhta Campaign.

EPCO as a Nodal agency has printed and distributed NGC resource materials viz. NGC Guidelines, Swachhta Pamphlets, Green Good Deeds, Green Pledge and Environmental calendar.

### **Reward and Contribution**

Apart from this EPCO is always endeavouring to enhance the knowledge of Ecoclubs through various means. EPCO subscribes the "Down to Earth" environmental magazine and circulate to 610 Ecoclub schools (Best 10 schools from 52 districts) and 100 colleges of Madhya Pradesh.

As per instruction of MoEFCC to celebrate Diwali festival as "Harit Diwali and Swachh Diwali"; EPCO invited entries from Eco-club and general public for observance of "Harit Diwali Swachh Diwali". The contest was based on online submission on portal of MPMYGOV. EPCO evaluated the entries through a panel of experts and first five entries were awarded with prizes and certificates. EPCO is one of the members of NGC Working Committee of National Green Corps (NGC) programme under EEAT scheme.



## Glimpses of Photographs (2021-22)



**Azadi ka Amrit Mahotsav, Shivpuri**



**Teacher's training Program, Dindori**



**Swachhta Program, Govt PG College Neemuch**



**Govt. Middle School, Ravi Shankar Nagar, Bhopal**



**Nukkad Natak by Govt PG College, Chhindwara**



**Painting at Govt Kamalaraja Girls PG College Gwalior**



**Single Use Plastics Prog. Govt. MVM College, Bhopal**



**Pledge at Sarojni Naidu Govt. Girls College, Bhopal**





**Swachhta Rally at Govt. PG College, Tikamgarh**



**Educational visit at Laharpur Ecological Garden, Bhopal by Govt. Gyanoday Residensial School,**



**"Importance of Rivers" at Govt. Gyanoday Residensial School, , Bhopal**



**Green Ganesh awareness for Schools & Collegers**



**Plantation Ecoclub schools under Ankur Program**



# मलेनी नदी के किनारों पर की सफाई

आजादी का अमृत महोत्सव विषय पर जागरूकता कार्यक्रम जारी

**आम्बा।** पर्यावरण, वन व जलवायु परिवर्तन मंत्रालय भारत सरकार के निर्देशानुसार भारत की आजादी के 75 वर्ष पूर्ण होने पर आजादी का अमृत महोत्सव विषय पर विभिन्न जागरूकता कार्यक्रमों का आयोजन किया जा रहा है। इसके परिपालन में प्रदेश में नदी का उत्सव भी मनाया जाना है।

एण्डो भोपाल व जिला शिक्षा अधिकारी के.सी. शर्मा के निदेशन, संस्था के प्राचार्य एसएल सरोज के मार्गदर्शन में जिले के विद्यार्थियों को रविवार को प्रकृति भ्रमण कर स्वच्छता अभियान चलाया गया। इस अभियान के तहत शासकीय हायर सेकेंडरी स्कूल हतनारा के 76 विद्यार्थियों ने मलेनी नदी के किनारों पर सफाई की। कार्यक्रम संयोजक व ईको क्लब के जिला मास्टर ट्रेनर कृष्णलाल शर्मा ने बताया कि स्वच्छता कार्यक्रम के तहत ईको क्लब के विद्यार्थियों ने ग्राम कुशलगढ़ के नजदीक मलेनी नदी



प्रकृति भ्रमण कार्यक्रम में मलेनी नदी के किनारे विद्यार्थी और शिक्षक। ● नई दुनिया

के किनारों से कचरा और पालीथिन थैलियों को एकत्र किया। किनारों के पास की गंदगी को साफ किया। कार्यक्रम के दौरान ईको क्लब के जिला मास्टर ट्रेनर गिरीश सारस्वत ने विद्यार्थियों को हरित शपथ दिलाई। पर्यावरणविद सीमा अग्निहोत्री ने विद्यार्थियों को प्लास्टिक प्रदूषण की रोकथाम व पुनः उपयोग को समझाया। चित्रकला प्रतियोगिता आयोजित की। शासकीय उमावि बड़ावा के ईको क्लब प्रभारी शांतिलाल झाला ने विद्यार्थियों से ऊर्जा संरक्षण की

अपील की। सभी शिक्षकों के मार्गदर्शन में विद्यार्थियों ने प्रकृति भ्रमण किया। प्रकृति को संरक्षित रखने का संकल्प लिया। उपरोक्त समस्त गतिविधियों को भोपाल से वरिष्ठ वैज्ञानिक महेश मिश्रा व दिलीप चक्रवर्ती ने आनलाइन माध्यम से देखा व सराहा। जिले के ईको क्लब नोडल अधिकारी अशोक लोढ़ा ने भी प्रकृति भ्रमण कार्यक्रम की प्रशंसा की। सुरेंद्र अग्निहोत्री, सुपमा अग्निहोत्री, धनश्याम शर्मा, सोहनसिंह कछावा आदि उपस्थित थे।

1 जसम अकुट माहत्सव का शुरुआत का गड़ सामाजिक द्वारा किया गया। संगठन से जोड़कर संगठन को मजबूती प्रदान करेंगे।

## दिनेश पौराणिक स्वतंत्र ऐलान छात्रों को दिलाई हरित शपथ, स्वच्छता का महत्व बताया

शा उ मा वि बड़ावा इको क्लब प्रभारी शान्तिलाल झाला द्वारा सभी छात्र छात्राओं व शिक्षकों के साथ स्वच्छ भारत, हरित भारत, हरित शपथ का आयोजन कर शपथ दिलाई गई। सभी से छोटे छोटे पर्यावरणीय कार्य करने की सपथ ली। जैसे पंखा, बल्ब, ट्यूब ल। इ ट, ज डू, कम्प्यूटर, गीजर, ... आदि का आवश्यकता अनुसार उपयोग करे। इसके तत्काल बाद स्वच बंद करदे। ज्यादा पौधें लगाए, अन्न का सद उपयोग करे। पानी को बचाने के लिये टपकते नल को, सौचालय के लीकेज वाल को, बिना नल के पाइप को, सही करे।

संसाधनों का पुनः उपयोग = आप के पहनने के कपड़े, जूतों, मोजों, ... आदि का सद उपयोग करे। आजकल फैसन, मन भर जाने, लोगों को दिखावै के लिए अच्छे कपड़ों का भी समुचित उपयोग नहीं करते हैं।

सिंगल यूज प्लास्टिक = ये बहुत ही पतला प्लास्टिक होता है



जिसका दुबारा उपयोग नहीं किया जा सकता। जैसे:- सब्जियों, फल, किराना, दूध, ... आदि में प्रयोग की जाने वाली थैलियां के स्थान पर हमें पुराने कपड़ों, जुट के बने झोलों को उपयोग में लाना चाहिए। लीड (प्लास्टिक से बनी) को

एक बार उपयोग कर फेंकने की बजाय उसमें बार बार रिफिल बदलकर उपयोग करना चाहिये। कुछ आदतों में बदलाव की सुरवात स्वयं से करे। औरों को भी प्रेरित करे।

हम होंगे कामयाब,

हम होंगे कामयाब,  
एक दिन।  
हां हां,  
पूरा है विस्वास,  
हम होंगे कामयाब,  
एक दिन। कार्यक्रम में प्राचार्य श्रीमती माया सोनी, जाह्नद शाह खान, अकील अहमद प ठा न, धा न स्या म पाटीदार, के.पी. त्रिपाठी, श्रीमती मीनाक्षी हरोड़, कुमारी अंतिम मौर्य, सुरेश व्यास, अजय रावल, प्रहलाद पाटीदार, जितेंद्र बगड़, ईस्वर परमार, दिनेश पुराणिक, अर्जुन धाकड़, विजय बोरीवाल, यशवंत यादव आदि उपस्थित थे।





## आज पर्यावरण संरक्षण के लिए विलुप्त प्रजातियों का संरक्षण जरूरी: सराफ

सागर | शासकीय कन्या स्नातकोत्तर महाविद्यालय में शनिवार को स्वच्छता पखवाड़ा मनाया गया। महाविद्यालयीन पर्यावरण संरक्षण समिति के तत्वाधान में व्याख्यान, निबंध, पोस्टर एवं प्रश्न मंच प्रतियोगिता हुई। प्लास्टिक का पर्यावरण पर दुष्प्रभाव व रोकथाम विषय में हुई निबंध प्रतियोगिता में 80 छात्राओं ने भाग लिया। जिसमें अंजली नरेलिया प्रथम, शीतल साहू दूसरे तथा पूनम व संजना रजक तीसरे स्थान पर रहीं। पोस्टर स्वच्छता संदेश विषय पर 50 छात्राओं ने भाग लिया। जिसमें प्रथम स्थान पर रोशनी अहिरवार, द्वितीय स्थान पर रानु मांझी और तृतीय पर स्वाति दांगी रहीं। मुख्य वक्ता डॉ. दिनेश सराफ ने कहा आज पर्यावरण संरक्षण के लिए विलुप्त प्रजातियों के संरक्षण व पौधारोपण की आवश्यकता है। डॉ. रेणुवाला शर्मा, प्राचार्य डॉ. इला तिवारी, पर्यावरण समिति सदस्य डॉ. एच अंसारी ने भी अपने विचार रखे। संचालन पर्यावरण प्रभारी डॉ. प्रतिमा खरे ने किया। प्राणीशास्त्र विभागाध्यक्ष डॉ. सुनीता सिंह के निर्देशन में डॉ. मनीष जैन, डॉ. सिद्धार्थ सिंह व डॉ. आशीष द्वारा कोविड-19 व पर्यावरण पर ओपन क्विज कर सही उत्तर देने वाली छात्राओं को पुरस्कृत किया गया। आभार डॉ. सरिता जैन ने माना।

## प्रकृति की रक्षा करें, वह आपको सुरक्षित रखेगी

शासकीय कन्या महाविद्यालय के इको क्लब ने मनाया स्वच्छता पखवाड़ा

खंडवा (नईदुनिया प्रतिनिधि)। शासकीय कन्या महाविद्यालय के इको क्लब द्वारा स्वच्छता पखवाड़ा मनाया गया। व्याख्यान कार्यक्रम में विषय विशेषज्ञ अनुराग तिवारी (भारतीय वन सेवा) और एसडीओ सामान्य वन मंडल आरके सोलंकी उपस्थित थे।

वन अधिकारी तिवारी ने छात्राओं को कहा कि अनुपयोगी वस्तुओं को स्रोत के रूप में उपयोग करें। प्लास्टिक पर्यावरण के लिए हानिकारक है इसकी विशेषताएं घातक सिद्ध हो रही हैं। ये भूमि की उपजाऊ क्षमता को कम कर रही हैं। जनता के योगदान से ही स्वच्छ समाज बन सकता है। हमें प्लास्टिक के विकल्प का उपयोग करना चाहिए। जैसे प्राकृतिक वस्तुएं बांस, घास आदि का उपयोग करें, साथ ही एक पौधा जरूर लगाएं। स्वगत भाषण में प्राचार्य ने छात्राओं को प्रकृति से जुड़ने और जाने-अनजाने भी प्लास्टिक का उपयोग न करने का आग्रह किया। उन्होंने कहा कि पौधारोपण कर पौधे के अप्रत्यक्ष लाभ भी देखें। स्वच्छता पखवाड़े का मुख्य विषय स्वच्छता एवं प्लास्टिक रोकथाम था। इस अवसर पर विभिन्न प्रतियोगिताएं आयोजित की गईं। इसमें निबंध प्रतियोगिता, प्रथम स्थान वैशाली लोवंशी, द्वितीय स्थान राखी यादव, तृतीय स्थान साक्षी म्हालगुडे, स्लोगन प्रतियोगिता, प्रथम स्थान शीतल नीरज, द्वितीय स्थान शीतल पटेल, तृतीय स्थान राखी यादव और एक पौधा उद्यान



शासकीय कन्या महाविद्यालय में आयोजित स्वच्छता पखवाड़ा कार्यक्रम को संबोधित करते वन अधिकारी अनुराग तिवारी। • नईदुनिया

के लिए प्रतियोगिता में प्रथम स्थान प्रतिभा मालवीया, द्वितीय स्थान अंजली गौर, तृतीय स्थान देवांशी अत्रे ने प्राप्त किया। एक पौधा उद्यान के लिए एक विशेष प्रतियोगिता आयोजित की गई, इसमें अनुपयोगी प्लास्टिक बाटल में पौधा लगाकर प्रस्तुत करना था। इसमें करीब 50 छात्राओं ने भाग लिया। इन सभी पौधों से महाविद्यालय के उद्यान में वर्टीकल गार्डन तैयार किया जाएगा। अतिथियों द्वारा छात्राओं को पुरस्कार प्रदान किए गए। कार्यक्रम का संचालन इको क्लब प्रभारी डा. कुमुद दुबे ने किया। अंत में आभार डा. सुशीला गायकवाड़ ने माना। कार्यक्रम में डा. मनु श्राफ, डा. रेशम राजपूत, प्रो. केएल सोलंकी, डा. मुजफ्फर शेख, डा. नीलू अग्रवाल, परमजीत मोंगा, अनिल बड़ोले, एमएल वर्मा और छात्राएं उपस्थित थीं।

## बालिकाओं को दी कानून संबंधी जानकारी

खंडवा। सूरजकुंड स्कूल में शुक्रवार को कक्षा नौवीं व दसवीं की छात्राओं के लिए नारी जागरूकता और बालिका सुरक्षा के संबंध में कार्यक्रम का आयोजन किया गया। महिला थाने में पदस्थ एसआइ सुलोचना गेहलोत ने बालिकाओं को कानून संबंधी प्रावधान, साइबर अपराध, आनलाइन ठगी, इंटरनेट मीडिया से जुड़े अपराध के बारे में जानकारी दी। उन्हें हेल्पलाइन नंबर डायल 100, 1090, 1098, 181, महिला ऊर्जा डेस्क, महिला थाना के बारे में बताया गया। पैरालीगल वालंटियर गणेश कानडे द्वारा महत्वपूर्ण जानकारी दी गई। इस दौरान प्राचार्य डाक्टर संजय निंबोकर सहित अन्य शिक्षक मौजूद रहे।

## आजादी का अमृत महोत्सव के तहत हुआ नदियां उत्सव कार्यक्रम

## नदियां देवीतुल्य पूज्यनीय हैं उन्हें स्वच्छ रखना हमारा कर्तव्य है

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मुंगावली. भारत की आजादी के अमृत महोत्सव के तहत शासकीय गणेश शंकर विद्यार्थी महाविद्यालय में नदियों का उत्सव कार्यक्रम का आयोजन किया गया।

कार्यक्रम में प्लास्टिक प्रदूषण की रोकथाम एवं स्वच्छता कार्यक्रम निरंतर जारी रखने की शपथ दिलाई गई तथा हमारे देश-प्रदेश की नदियों को स्वच्छ रखने का संकल्प लिया। प्राचार्य डॉ. आरएस रघुवंशी ने कहा कि नदियां हमारे लिये देवी तुल्य पूज्यनीय हैं। उन्हें स्वच्छ रखना हमारा पावन कर्तव्य है। नदियां अपने कल-कल जल प्रवाह से हमें अमृत प्रदान करती हैं जिससे हमें पीने का स्वच्छ पानी तथा हमारे खेतों के लिये सिंचाई का जल मिलता है।



हमारे प्रदेश की प्रमुख नदियों में चम्बल, नर्मदाएं सिन्धु, वेतवा अपने शीतल जल से प्रदेशवासियों को जीवन, धन-धान्य देती हैं। इसी तरह हमारे देश की गंगा-यमुना परम पवित्र और पूज्यनीय हैं। जिनसे हमारी राष्ट्रीय और सांस्कृतिक पहचान है। नदियों को पवित्र रखने उन्हें प्रदूषण मुक्त बनाये रखना हम सभी का कर्तव्य है। डॉ. सरोजवाला

ने कहा कि वह नर्मदा के तट पर स्थित एक शहर की रहने वाली हैं। नर्मदा का उदगम स्थल देखा है जो अलौकिक है जो नदियों को स्वच्छ रखना पर्यावरण की दृष्टि से उचित है। डॉ. जयराम सोलंकी ने कहा कि नदियों को स्वच्छ रखने से हमें स्वच्छ जल मिलेगा और हम निरोग रहेंगे। कार्यक्रम का संचालन स्मृति वर्मा ने किया।

पॉलिटेक्निक महाविद्यालय में हुई आपदा प्र



## सिंगल यूस प्लास्टिक फूड चेन का हिस्सा बनकर इको सिस्टम को नुकसान पहुंचाते हैं

**दैनिक बंसी संदेश,  
बैतुल।**

बैतुल। जेएच कॉलेज में स्वच्छता पखवाड़ा के अंतर्गत इको क्लब के तत्वावधान में सिंगल उपयोग प्लास्टिक निषेध जागरूकता पर सेमीनार संपन्न हुआ। कार्यक्रम प्राचार्या डॉ. विजेता चौबे के मार्गदर्शन में एवं कार्यक्रम समन्वयक इको क्लब प्रभारी डॉ. अल्का पांडे के निर्देशन में आयोजित किया गया। कार्यक्रम के मुख्य अतिथि वनस्पति विभाग के पूर्व विभागाध्यक्ष डॉ. एचके वर्मा ने सिंगल उपयोग प्लास्टिक के विषय में जानकारी देते हुए कहा कि सर्वप्रथम 1930 में एथिलीन से पॉलीएथिलीन का निर्माण किया जो वर्तमान में पॉलीथिन के नाम से प्रचलित है। उन्होंने कि इयरबड व स्ट्रा का उपयोग तक प्रतिबंधित है। सिंगल यूस प्लास्टिक के दुष्परिणाम बताते हुए कहा कि ये मिट्टी में पड़े रहने पर लम्बे समय के बाद भी अपघटित नहीं होने से भुरभुरे हो जाते हैं जिन्हें माईक्रोप्लास्टिक कहते हैं ये टुकड़े मिट्टी में मिलकर उसकी उर्वरवा क्षमता को प्रभावित करते हैं।



साथ ही हवा व पानी में पहुंचकर वातावरण को भी मर्करी, लेड, क्रोमियम, कोबाल्ट का आदि का उपयोग होता है जो मिट्टी हवा, व पानी के माध्यम से पौधों व

मनुष्यों में पहुंच जाते हैं। इस प्रकार फूड चेन का हिस्सा बनकर संपूर्ण इको सिस्टम को नुकसान पहुंचाते हैं और मिट्टी व मनुष्य दोनों के स्वास्थ्य को भी नुकसान पहुंचाते हैं। डॉ. सुखदेव डोंगरे ने कहा कि प्लास्टिक के उपयोग को एक दम बंद नहीं किया जा सकता है परन्तु धीरे-धीरे कम करना होगा। कार्यक्रम की समन्वयक डॉ. अल्का पांडे ने तीन आर के फामूले को अपनाके लिए कहा पहला रिड्यूस करें, दूसरा रियूज करें व तीसरा रिसाईकल करें। विद्यार्थियों ने भी अपनी विचार रखे। कार्यक्रम के दौरान स्वच्छता से संबंधित प्रश्न भी पूछे गए सही उत्तर देने वाले विद्यार्थियों को प्रोत्साहित स्वरूप उपयोग को निषेध करने के लिए प्रेरित करने हेतु जागरूक किया।

## इको सिस्टम को नुकसान पहुंचाते हैं सिंगल यूज प्लास्टिक

« सिंगल यूज प्लास्टिक के सेमीनार में बताए दुष्परिणाम



बैतुल(राष्ट्रीय जनादेश)। जेएच कॉलेज में स्वच्छता पखवाड़ा के अंतर्गत इको क्लब के तत्वावधान में सिंगल उपयोग प्लास्टिक निषेध जागरूकता पर सेमीनार संपन्न हुआ। कार्यक्रम प्राचार्या डॉ. विजेता चौबे के मार्गदर्शन में एवं कार्यक्रम समन्वयक इको क्लब प्रभारी डॉ. अल्का पांडे के निर्देशन में आयोजित किया गया। कार्यक्रम के मुख्य अतिथि वनस्पति विभाग के पूर्व विभागाध्यक्ष डॉ. एचके वर्मा ने सिंगल उपयोग प्लास्टिक के विषय में जानकारी देते हुए कहा कि सर्वप्रथम 1930 में एथिलीन से पॉलीएथिलीन का निर्माण किया जो वर्तमान में पॉलीथिन के नाम से प्रचलित है। उन्होंने कि इयरबड व स्ट्रा का उपयोग तक प्रतिबंधित है।

सिंगल यूस प्लास्टिक के दुष्परिणाम बताते हुए कहा कि ये मिट्टी में पड़े रहने पर लम्बे समय के बाद भी अपघटित नहीं होने से भुरभुरे हो जाते हैं जिन्हें माईक्रोप्लास्टिक कहते हैं ये टुकड़े मिट्टी में मिलकर उसकी उर्वरवा क्षमता को प्रभावित करते हैं। साथ ही हवा व पानी में पहुंचकर वातावरण को भी मर्करी, लेड, क्रोमियम, कोबाल्ट का आदि का उपयोग होता है जो मिट्टी हवा, व पानी के माध्यम से पौधों व मनुष्यों में

पहुंच जाते हैं। इस प्रकार फूड चेन का हिस्सा बनकर संपूर्ण इको सिस्टम को नुकसान पहुंचाते हैं और मिट्टी व मनुष्य दोनों के स्वास्थ्य को भी नुकसान पहुंचाते हैं।

**बंद किया जाना चाहिए प्लास्टिक**

डॉ. सुखदेव डोंगरे ने कहा कि प्लास्टिक के उपयोग को एक दम बंद नहीं किया जा सकता है परन्तु धीरे-धीरे कम करना होगा। कार्यक्रम की समन्वयक डॉ. अल्का पांडे ने तीन आर के फामूले को अपनाके लिए कहा पहला रिड्यूस करें, दूसरा रियूज करें व तीसरा रिसाईकल करें। विद्यार्थियों ने भी अपनी विचार रखे। कार्यक्रम के दौरान स्वच्छता से संबंधित प्रश्न भी पूछे गए सही उत्तर देने वाले विद्यार्थियों को प्रोत्साहित स्वरूप पुरस्कार भी दिए गए। डॉ. विजेता चौबे ने विद्यार्थियों को स्वयं के साथ समाज में भी सिंगल उपयोग प्लास्टिक के उपयोग को निषेध करने के लिए प्रेरित करने हेतु जागरूक किया। डॉ. अल्का वर्मा, डॉ. सलिल दुबे, डॉ. महेश मानेकर ने भी अपने विचार व्यक्त किए। कार्यक्रम में बड़ी संख्या में छात्र-छात्राएं मौजूद थे। कार्यक्रम का संचालन डॉ. अर्चना मिश्रा द्वारा व आभार प्रो. अर्चना सोनार द्वारा व्यक्त किया गया।





## स्वच्छता कार्यक्रम व रैली का आयोजन

श्रीराम एक्सप्रेस, ग्वालियर। स्वच्छता पखवाड़े के अंतर्गत शासकीय कमला राजा कन्या स्नातकोत्तर स्वाशसी महाविद्यालय ग्वालियर (म. प्र.) में छात्राओं को पर्यावरण के प्रति जागरूक एवं सजग रखने हेतु ग्रीन कैपस- वलीन कैपस थीम पर महाविद्यालय परिसर में एक स्वच्छता कार्यक्रम एवं रैली का आयोजन महाविद्यालय के प्राचार्य डॉ. एम.आर. कौशल के मार्गदर्शन में इको क्लब प्रभारी डॉ. मोहित आर्य द्वारा किया गया। रैली में महाविद्यालय के प्रशासनिक अधिकारी डॉ. हरीश अग्रवाल, अकादमिक सचिव डॉ. संजय स्वर्णकार, डॉ. मंजू दुबे, डॉ. राजेंद्र दुबे, एनएसएस प्रभारी डॉ. वीणा शुक्ला, डॉ. अर्चना दुबे, डॉ. प्रीति मौर्य, डॉ. साधना पांडे, डॉ. कुमकुम माथुर, डॉ. निशा मिश्रा, डॉ. प्रतिमा जैन, डॉ. पूर्णिमा शाह, डॉ. अंशुमन सोनी, डॉ. उर्मिला तोमर सहित महाविद्यालय की इको क्लब एवं एनएसएस की छात्राएं उपस्थित रही। इस अवसर पर छात्राओं को कॉलेज परिसर को स्वच्छ एवं हरा भरा रखने हेतु आवश्यक जानकारी दी गई।

## छात्र ने कबाड़ से जुगाड़ कर बना दी मोरनी



पौजी कॉलेज स्वच्छता जागरूकता पर कबाड़ से जुगाड़ बनाकर दिया स्वच्छता का संदेश। • नवदुनिया

**छिंदवाड़ा (नवदुनिया प्रतिनिधि)।** इको क्लब के द्वारा स्वच्छता पखवाड़े के अंतर्गत विभिन्न प्रतियोगिता आयोजित की गई। जिसमें बड़ी संख्या में छात्र छात्राओं ने भाग लिया। निर्णायक मंडल में डॉ. प्रतिभा श्रीवास्तव, डॉ. टिकमणी पटवारी, डॉ. साधना जैन रहे। परिणामों की घोषणा मंगलवार को दोपहर 3 बजे की जाएगी।

आकर्षक पुरस्कार के साथ विजेता प्रतिभागियों को स्मृति चिह्न के साथ प्रमाण पत्र वेंकर सम्मानित किया जाएगा। धनंजय सोनी एमकवम के द्वारा कबाड़ से जुगाड़ में मोरनी लक्ष्मी बनाई गई जो पूरी प्रदर्शनी में आकर्षण का केंद्र रही। साथ ही कांच की बोतल में राशिओं का उपयोग कर गुलबस्ता बनाया। उद्दिष्टता के द्वारा कबाड़ से जुगाड़ में पेन स्टैंड रखने बनाई गई। तनुजा, संयुक्ता ने कबाड़ से जुगाड़ में हॉस्पिटल बनाया

### आयोजन

- स्वच्छता पखवाड़े के अंतर्गत विभिन्न प्रतियोगिताएं आयोजित की गई
- परिणामों की घोषणा मंगलवार को दोपहर तीन बजे की जाएगी

गया जिसमें तीसरी लहर से बचाव के लिए वैकसीनेशन लगाने का संदेश दिया।

श्रद्धा यादव ने कबाड़ से जुगाड़ की प्रदर्शनी में गुलबस्ता बनाया और गीला कचरा सूखा कचरा रखने का संदेश दिया। अंकित एवं विजय द्वारा जिला अस्पताल की प्रदर्शनी बनाई गई जिसमें सुंवर बगीचा बनाया गया जो मरीजों एवं मरीजों के परिजनों आकर स्वास्थ्य सुविधा के संबंधित पेड़ पौधा लगाया गया। एवं विना मास्क के अंतर प्रवेश वर्जित है। तीसरी लहर से लड़ने

का संदेश दिया गया। टीनार खूंशी स्वच्छता पर स्लोगन, मुस्ली द्वारा लोगो के माध्यम से स्वच्छता का संदेश दिया गया, पालिथीन मुक्त अभियान का संदेश दिया गया। हर्षा यादव के द्वारा ने बीमारियों से बचाव का संदेश दिया गया। शिवम प्रजापति, शिवानंद दुबे, प्रतिभा गाडगे का स्वच्छ भारत अभियान का संदेश दिया। इस अवसर पर डॉ. ऋतु शर्मा ने आभार व्यक्त किया इस कार्यक्रम को सफल बनाने में इको क्लब अध्यक्ष ललित उपाध्यक्ष वीपिका बंदेवार सचिव नीलेश ब्रम्हने, सहायक सचिव आनंद बर्मा, टीम लीडर चंचलेश डेहरिया पूर्व टीम लीडर विनेश साहू, मीडिया प्रभारी शिवसिंग डेहरिया, चंचलेश डेहरिया, विवेक सरैयाम, शिवम प्रजापति, मालती दुर्वे, अंकित, विजय, शिवानंद आदि का विशेष सहयोग रहा।

श्रीराम एक्सप्रेस

ग्वालियर महानगर

ग्वालियर, गुरुवार 16 दिसम्बर 2021

4

## जागरूकता रैली व व्याख्यान माला के माध्यम से दिया स्वच्छता का संदेश

श्रीराम एक्सप्रेस, ग्वालियर

शासकीय केआरजी कॉलेज में स्वच्छता पखवाड़े का आयोजन किया गया। यह पखवाड़ा 1 से 15 तक चल रहा गया इस दौरान कॉलेज के इको क्लब द्वारा विभिन्न जागरूकता गतिविधियों का आयोजन महाविद्यालय के प्राचार्य डॉ. एम.आर. कौशल के मार्गदर्शन में इको क्लब प्रभारी डॉ. मोहित आर्य द्वारा किया गया।

कार्यक्रम के अंतर्गत 6 दिसंबर को इको क्लब की छात्राओं को छवि एवं साथी सोनी द्वारा युवाओं को पर्यावरण के प्रति संवेदनशील बनने एवं सोशल मीडिया के उपयोग से जागरूकता पैदा करने के लिए केआरजी- इको क्लब नाम से फेसबुक पेज बनाया गया। इस पेज पर महाविद्यालय की छात्राओं द्वारा विभिन्न गतिविधियों को अपलोड किया गया। 7 दिसंबर को अपने आसपास के वातावरण को सफा एवं स्वच्छ रखने हेतु महाविद्यालय परिसर में ग्रीन कैपस-वलीन कैपस थीम पर एक जागरूकता रैली का आयोजन किया गया।

रैली में महाविद्यालय के प्रशासनिक अधिकारी डॉ. हरीश अग्रवाल, अकादमिक सचिव डॉ. संजय स्वर्णकार, डॉ. मंजू दुबे एवं इको क्लब समिति के सदस्य डॉ. वीणा शुक्ला, डॉ. साधना पांडे, डॉ. पूर्णिमा शाह, डॉ. अर्चना दुबे सहित इको क्लब के अन्य सदस्य एवं छात्राएं उपस्थित रही। 7 दिसंबर को एक व्याख्यान सत्र में स्वच्छता एवं स्वास्थ्य का महत्व विषय पर डॉ. कमारजमा सिरोकी ने हिंदी एवं उर्दू साहित्य में स्वच्छता



### केआरजी कॉलेज में स्वच्छता पखवाड़े का समापन

के महत्व से छात्राओं को परिचित कराया। 8 दिसंबर को निबंध प्रतियोगिता का आयोजन स्वच्छ भारत-स्वस्थ भारत विषय पर किया गया, जिसमें 32 छात्राओं द्वारा सहभागिता की गई। निबंध प्रतियोगिता का आयोजन इको क्लब समिति के सदस्यों डॉ. अलका मौर्य, डॉ. निशा मिश्रा एवं डॉ. सुकुति घोष द्वारा तथा मूल्यांकन हिंदी विभाग की डॉ. आभा मिश्रा, डॉ. कुष्मा सिंह, डॉ. सुधा कुलवह तथा डॉ. नमिता जिपाडे द्वारा किया गया। 9 दिसंबर को पोस्टर प्रतियोगिता का आयोजन ग्रीन इंडिया एंड प्लास्टिक फ्री इंडिया थीम पर इको क्लब समिति के सदस्य डॉ. स्वपना मराठे, डॉ. कुमकुम माथुर, डॉ. अंशुमन सोनी एवं डॉ.

प्रतिमा जैन द्वारा किया गया तथा मूल्यांकन डॉ. राजेंद्र कुमार दुबे, डॉ. वसोम अंसारी, डॉ. कुमकुम माथुर, डॉ. कुष्मा सिंह एवं डॉ. सोनिया सिंह द्वारा किया गया, जिसमें महाविद्यालय की 41 छात्राओं ने सहभागिता की। दिनांक 10 दिसंबर को एकल उपयोग प्लास्टिक के दुष्प्रभाव विषय पर व्याख्यान का आयोजन किया गया। जिसमें डॉ. संतोष यादव एवं बीएससी तृतीय वर्ष की छात्रा कुमारी वैदिका रावत ने एकल उपयोग प्लास्टिक से होने वाली हानियां एवं इसके रोकथाम के उपायों पर चर्चा की। 13 दिसंबर को स्लोगन रसटिंग कंपटीशन का आयोजन डॉ. मोहित आर्य द्वारा किया गया। दिनांक 14 दिसंबर को

छात्राओं हेतु एक ऑनलाइन क्विज जिसका विषय स्वच्छ एवं प्लास्टिक मुक्त भारत रखा गया, जिसमें महाविद्यालय की 197 छात्राओं द्वारा सहभागिता की गई। ऑनलाइन क्विज प्रतियोगिता डॉ. दिनेश पाटीदार, डॉ. प्रीति मौर्य एवं डॉ. अर्चना सिंह द्वारा कराई गई। स्वच्छता पखवाड़े की गतिविधियों में महाविद्यालय के इको क्लब, एनएसएस एवं अन्य छात्राओं द्वारा उसाह पूर्वक बड़-बड़कर भागीदारी की गयी। इस अवसर पर महाविद्यालय के प्राणी शास्त्र विभाग के सदस्यों प्रोफेसर राजेंद्र दुबे, डॉ. अर्चना दुबे, डॉ. प्रीति मौर्य, डॉ. आर.के.महौर, डॉ. मुकुलित जगन्नाथ, डॉ. नवीम खान एवं डॉ. अर्णा सिंह, एन.एस.एस. अधिकारी डॉ. वीणा शुक्ला, डॉ. साधना पांडे, डॉ. दिनेश पाटीदार एवं इको क्लब के सभी सदस्यों द्वारा महत्वपूर्ण सहयोग प्रदान किया गया।

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## **(6) EPCO Institute of Environmental Studies (EIES)**

EPCO Institute of Environmental Studies (EIES) was established in 2010-11 under the aegis of EPCO with the objective of dissemination of the knowledge and deepening the understanding about various aspects of environment and sustainable development. Besides PGDEM, EIES also conducts training and capacity building programmes, workshops for various target groups including participants from Colleges/Universities, Government Institutions and Private Enterprises, NGOs, Civil Society organization, Environmental Consultants and UG & PG students.

In the year 2021-22, EIES organized many events with the students of PGDEM. The new batch was inducted in the month of January 2022. As per the directions and decision of General Body of EPCO, the new batch of PGDEM 2021-22 was inaugurated by Honøble Minister Department of Environment Govt. of M.P. He also distributed the Diplomas and Grade-sheets to the students of 2020-21 batch. During his address Honøble Minister interacted with students and faculties and invited suggestions to make this course more popular and effective.

Following activities were conducted by EIES in year 2021-22:

<b>S No</b>	<b>Details</b>	<b>Date/Period</b>	<b>For</b>
1	PGDEM Course 2020-21: Exam Committee meeting (Online)	10 June 2021	Exam Committee
2	PGDEM Course 2020-21: Term End Examination (Online mode)	From 12 <sup>th</sup> July 21 to 16 <sup>th</sup> July 21	PGDEM Students
3	PGDEM Course 2020-21: Term End Examination Results	28 <sup>th</sup> July 2021	PGDEM Students
4	PGDEM Course 2021-22: Proposal for Revamping	September 2021	Approved by ED, EPCO
5	PGDEM Course 2021-22: Academic Committee meeting	22 <sup>nd</sup> September 2021	Academic Committee
6	PGDEM Course 2020-21: Formatting, design, printing, signature and distribution of Grade-sheets and Diploma Certificates	September 2021	PGDEM Students

7	PGDEM Course 2021-22: Publishing of Prospectus and Advertisement	October 2021	PGDEM Applicants
8	PGDEM Course 2021-22: Building and activation of online application tool on the website.	October 2021	PGDEM Applicants
9	PGDEM Course 2021-22: Meeting of Admission Committee constituted for PGDEM Admissions	12 <sup>th</sup> November 2021	PGDEM Applicants
10	PGDEM Course 2021-22: Admission of 44 students	December 2021	PGDEM Students
11	PGDEM Course 2021-22: Scheduling Induction Session and intimating concerned faculties, officials and students regarding the same	December 2021	PGDEM Students
12	Honøble Minister, Environment Department, Govt. of MP inaugurated PGDEM Session 2021-22 and also distributed certificates to previous yearø students	January 2022	PGDEM Students
13	PGDEM Course 2021-22: Induction Session held wherein classroom sessions and field visits (1. WPR Unit, EPCO, 2. Carbon Capture & Sequestration Plant, RKDF, 3. Solar Thermal Plant, RGPV and 4. MPPCB laboratory)were organised	From 4 <sup>th</sup> January 2022 to 7 <sup>th</sup> January 2022	PGDEM Students
14	1 Crore budget for EPCO Institute (EIES) approved by Honøble Chief Minister, MP in the departmental review meeting.	8 <sup>th</sup> January 2022	EPCO Institute
15	PGDEM Course 2021-22: Second Contact Session was conducted online	From 22 <sup>nd</sup> February, 22 to 26 <sup>th</sup> February 22	PGDEM Students
16	PGDEM Manual cum Rule book developed	March 2022	PGDEM Course

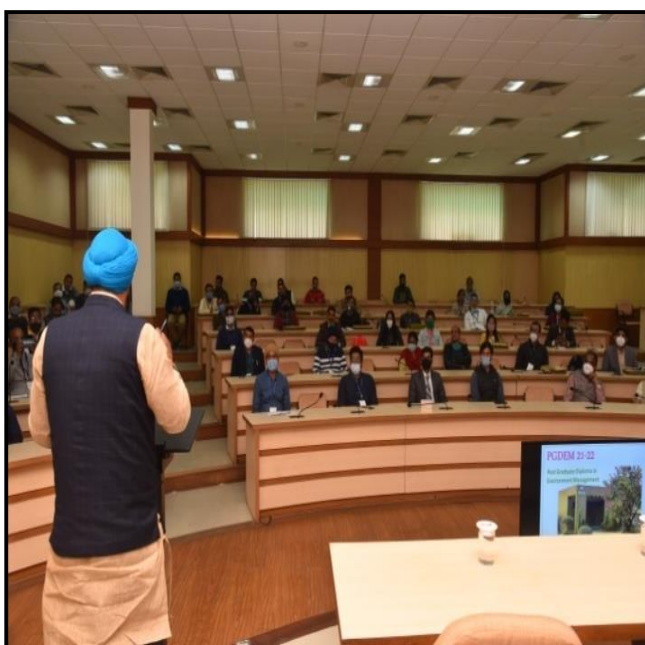


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Apart from this, for encouraging the research works, trainings and capacity building in the field of environmental science and developing strategic partnership and scientific networks; MoUs between EPCO and other reputed academic teaching institutions have been signed. In line with this-

1. MoU between EPCO, Bhopal and Sarojini Naidu Govt Girls Post Graduate College, Bhopal was signed on 28th June 2021
2. MoU between EPCO, Bhopal and Sri Sathya Sai College for Women, Bhopal was signed on 17th November 2021

### **Photo Gallery PGDEM-**







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## **PROJECTS/ACTIVITIES/WORKS (PLANNING DIVISION)**

### **1. ENGINEERING SECTION**

#### **CM Rise School Project:**

EPCO is providing consultancy services for State Government's ambitious project namely CM Rise School Project. Under the scheme EPCO is providing consultancy services for 275 schools of School Education Department and 95 Schools of Tribal Affair Department.

#### **Structural Vetting Work:**

Projects of Public Works Department, Madhya Pradesh: Structural Vetting work of various construction projects of Public Works Department, Madhya Pradesh is being done by EPCO. Total cost of the projects is Rs. 1000 crore. Work is in progress.

#### **Structural Designing Work:**

Structural computation work of various under construction buildings is done by the organization. Some of the main projects under this are Benazir College Building Second Phase, Security Barrack cum Record Room Mantralaya, Skating Rink, Bhopal, Community Centre cum Commercial Complex, Narsinghpur, Archeology Museum, Sironj, Vidisha.

#### **M.P Horticulture Departmental SoR:**

Work of preparing departmental SoR for M.P. Horticulture Department is given to EPCO. For this, a workshop of beneficiaries was organized to collect suggestions. The collection of market rates and the analysis of market rates according to the suggestions received are in progress.

#### **Conservation of Urban Water Bodies:**

EPCO implements conservation and management projects of urban water bodies all over the state of M.P. For these projects, EPCO receives Project Proposal from Urban Local Bodies and after its approval, subsequent amount for implementation of the project is released. The project includes Deweeding, Desilting, Catchment Area Treatment, Ghat Construction, Development of Gardens, Pitching, Fencing, Public Awareness works and

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Beautification. The amount of Rs. 200.00 lakh received in year 2021-22 has been utilized for 3 projects.

**Comprehensive Development plan:**

Comprehensive Development plan for various Urban Local Bodies of the state has been started by EPCO. Under this, Preliminary Report to develop 3 towns of Mandsaur District and Vidisha town into Model Towns has been prepared and submitted.

**National Plan for Conservation of Aquatic Eco Systems:**

**Shivpuri Lake, Shivpuri**

Ministry of Environment, Forest and Climate Change, Government of India has approved project for Conservation and Environmental Upgradation of Lakes of Shivpuri in year 2007. After its Third review, the revised project cost is Rs 111.55 crore out of which Centre share is Rs 29.04 crore and State share is Rs 82.51 crore. Almost 90% work is completed till now and the remaining work is in progress.

- Noncore works, Stop Dam, Sulabh Shouchalaya work have been completed.
- Remaining works of Sewerage Networking under Core Work and 20 MLD STP, Power Connection and trial, RCC pipes, Repair of Roads by NHAI, Construction of nallah trapping etc are in progress.

**Conservation and Environmental Upgradation of Sindh Sagar Lake Isagarh, Ashoknagar**

Ministry of Environment, Forest and Climate Change, Government of India has approved project for Conservation and Environmental Upgradation of Sindh Sagar Lake Isagarh, Ashoknagar in year 2014. Total cost of project is Rs 10.78 crore, out of which centre's share is 60% (Rs 6.47 crore) and State's share is 40% (Rs 4.31 crore).

Till now 60% work has been completed and the remaining works are in progress.

**Conservation and Environmental Upgradation of Sita Sagar Lake, Datia**

Ministry of Environment, Forest and Climate Change, Government of India has approved project for Conservation and Environmental Upgradation of Sita Sagar Lake, Datia in year 2021. Total cost of project is Rs 13.85 crore, out of which centre's share is 60% (Rs 8.31 crore) and State's share is 40% (Rs 5.54 crore).

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**Phase-1 works** i.e. Stone pitching, Artist village, Landscaping, Island civil work, Canal development & restoration at Bhartiyam Vidhya Pith to Sita Sagar lake (Canal-1) are under progress.

**Shivna River, Mandsaur**

The task of preparing DPR for Environmental Upgradation and management of Shivna river at Mandsaur was assigned to EPCO by the State Government. The project amounting to Rs. 28.91 crore has been sanctioned by National Mission for Clean Ganga, New Delhi.

**Renewal of Jal Tarang:**

Proposal has been received from NID, Ahmedabad for renewal for Jal Tarang Interpretation Center. Work is in Progress.

**Green Ganesh Campaign:**

To reduce the pollution load in water bodies due to idol immersion and sensitizing the citizens especially school children about pollution control with the objective of their active participation, EPCO has organized a programme for making Eco-Friendly Ganesh Idols. Due to covid restrictions, this programme was conducted through webinars.

**Other Achievements:**

- To harness unconventional and renewable sources of energy, EPCO has installed a rooftop solar power unit of 50 KW on roof of office building. This solar unit has reduced the electricity consumption of office by 42%
- The work of Landscaping/ Beautification of Pandit Kushilal Sharma Government Ayurvedic University, Bhopal is being done by EPCO. Agreement for the project has been executed and Concept plan has been submitted, Approval awaited.

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## **2. ARCHITECTURAL SECTION**

The Planning Division strives to attain a better environment for human beings through environmentally conscious micro-level planning and designing. The division provides services in the fields of architecture, urban design, urban planning, landscape designs, interiors, graphic design and structures and allied engineering services. The Division also has the advantage of being able to draw upon in-house expertise from other disciplines in the fields of ecology, water management, economic and social planning, environmental sciences and environmental management. The Division has full-fledged studios staffed by experienced professionals. Some important works undertaken during the year 2021-22 are as follows:

### **i. CM Rise School -**

School Education Department of M.P. decided to Develop & Strengthen few existing government schools namely C M Rise to provide quality education as per new education policy. These schools will be K-12 schools with all activity/sports/vocational base programme. The C M Rise project has Administrative Approval of approximately Rs. 9640 crores from Cabinet Since June 2021.

EPCO was entrusted to select multiple Architect Consultants for C M Rise project through selection process and 31 Architects were selected from all over India and schools were allotted to them.

Total 370 (275 +95) schools were given to EPCO by School Education & Tribal Affairs Department respectively. Agreements with Architects were drawn in December 21/January 22 only. After site visit, field survey etc Master plans were prepared and presented by Architects. At present DPR of various schools are under preparations/submission to different Executing Agencies as decided by SED/Tribal Department.

Till now an amount of Rs. 90+15 (105) Crores (including Retainership fee) has been received from SED & Tribal respectively.

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**ii. District Center Myana, Guna -**

MP Development Authority, Bhopal (RRDA) is establishing District Training Center at village Myana, Block Guna at District Guna in the State of Madhya Pradesh. M/s A. Mridul Jodhpur has been selected by EPCO for providing architectural consultancy services. The total approved cost for this project is Rs.15.00 crores. Construction work on site is yet to start. Construction Agency has been selected.

**iii. New Van Bhawan Complex at Main Road no. 2, Tulsi Nagar, Bhopal -**

Forest deptt, Govt. of M.P. intended to develop New Van Bhawan Complex at Tulsi Nagar, Bhopal to accommodate 4 major existing offices of the deptt. which are located at different places in the capital. The proposed site area is about 4.72 hectares. M/S In FORM Architects, Bangalore is the Consultant Architect for the project. Revised cost of the project is Rs. 158 crores is approx. including interior works. Construction work on site is underway.

**iv. New Construction & Renovation works of 8 Colleges of Bhopal under RUSA -**

EPCO had been entrusted with the job of providing Architectural Consultancy services by CPA for the construction in 8 Colleges of Bhopal for M.P. State Higher Education Department under World Bank Project. It includes new construction, renovation and some upgradation works with barrier-free design. The cost of each College ranges from Rs. 6.00 crores to Rs. 8.00 crores approximately in total Rs.62.86 crores of all 8 Colleges. CPA is the existing agency and work of all Colleges is ongoing on site.

**v. Construction of Guru Govind Singh Memorial Museum at Burhanpur -**

On the instance of the then Hon'ble Minister of Mahila Evam Baal Vikas, M.P, on the 350<sup>th</sup> birth anniversary of Shri Guru Govind Singh Ji, a Memorial Museum was proposed to be constructed in the Religious, Historical, Mythological and Cultural City of Burhanpur. Estimated cost of civil works is Rs.13.98 crores approximately. Executing Agency for this project is M.P. Tourism Development Board.

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**vi. Upgradation & Development of 3 Museums + Conservation, Upgradation & Development of 3 Museums for the Directorate of Archaeology, Archives & Museums -**

Archaeology has desired DPRs of total 6 Museums from EPCO in first go in which 3 Museums at Indore, Jabalpur & Raipur are related to Upgradation & Development works and 3 Museums are related to Conservation Upgradation & Development works at Dhubela, Chattarpur, Golghar-Bhopal & Vyankat Bhawan, Rewa. First Stage preliminary DPRs of all 6 Museums was submitted to Archaeology. Chattarpur Museum is being taken on priority by Archaeology Department.

**vii. Sansadiya Vidya Peeth -**

Sansadiya Vidya Peeth was established on to inculcate the knowledge of Parliamentary procedures and systems Amongst Representative, Young Professionals and school students. Pertaining to Achieve the same training programmes, different knowledge building activity like conferences, seminars are organized, which are presently carried out in rented premises. Therefore About allotted 3 acre of land near Vidhan Sabha Bhawan is allocated for proposed Building for Sansadiya Vidya Peeth.

Project has been entrusted to EPCO and it was decided to take up the project In-House. Concept Design for the same has been submitted, incorporating suggested modifications from the Client department for approval with approximate Stage-1 cost of Rs 43.00 Crores.

**viii. Directorate of Social Justice (SPARSH), Bhopal -**

The Directorate of social justice planned to construct a new office building which is named as SPARSH, for assistance, Rehabilitation & strengthening of handicapped. which will not only be a typical office building project but also a Centre for the disabled, old and destitute.

Architect Consultant, M/s ARCONS, Bhopal was selected through a design completion for the project in May 2013. The design has two buildings blocks, one as administrative office for Directorate of Social Justice Department and the other as the Resource Centre,



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200 seated Auditorium, Therapy rooms, physiotherapy, Audiology lab and recording studio etc.

The site area is 3.0 acres and the Built-up Area of project is 9900 approximately sq.mt. Administrative Approval accorded is of Rs.40.74 corers. The construction of both the blocks started on site in Feb 2020 and is going on site.

**ix. Upgradation & Renovation of Existing Mantralay, Vallabh Bhawan, Bhopal -**

State Govt. has taken the decision to upgrade and renovate the existing old Vallabh Bhawan Block (VB-1) after construction of both Extension Blocks (VB-2 & VB-3) on either side of it. For compliance of Extension blocks work, a Design competition was floated and final Design Presentation made before the High Level Committee under the Chairmanship of Chief Secretary, GoMP, Consultant Architect M/s ARCONS, Bhopal was selected in October 2018. The design proposal & estimates have already been prepared by the Consultant Architect and sent to Executing Agency CPA (PWD).

**x. Auditorium & Staff Quarters at Raj Bhawan premises, Bhopal -**

A need of Auditorium & other works was felt by Raj Bhawan authorities and EPCO was entrusted to provide architectural consultancy. As per EPCO's internal policy M/s Shailendra Sharma & Associates, Bhopal was selected in May 2013. Construction of Auditorium block with enhanced cost of Rs. 9.14 corers is completed and Inaugurated in November 2019, while VIP Guest House was Completed/Inaugurated in April 2015 only. Also requirement of various staff quarters was received & Design & DPR costing Rs. 10.92 corers was approved in June 2018 only. The Phase-I work of staff quarters is almost completed and phase II is going on. EPCO again received a work of Lal Kothi Extension and Administrative Approval of approximate Rs.1.89 crores was accorded. Work was also completed in May-June 2021.

**xi. National Institute for Research in Environmental Health, Bhopal -**

The Indian Council of Medical Research (Department of Health Research- Government of India) established in year October 2010 and EPCO was entrusted to develop & build infrastructure for the Campus on 20 acres land at Bhopal. M/s ARCONS, Bhopal was

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selected as the Architect Consultant for the project. The project is being executed by Gas Rahat Division of Capital Project Administration Bhopal.

The Main Campus of NIREH is designed as a high performance, low maintenance, and cost effective, Biomedical Research Centre on Green Building parameters and all Laboratories blocks as per Bio-safety manual supported by Admin Block, Auditorium, Library, Hostels & Residential spaces. The completion cost of the project is approximately Rs. 124 crores inaugurated in year 2021-22 only.

**xii. Atal Bihari Vajpayee Hindi Vishvavidhyalaya, Bhopal -**

Atal Bihari Vajpayee Hindi Vishvavidhyalaya, Bhopal (ABVHV, Bhopal) has been established at Bhopal and now plans to build its own University Campus. The Gmp allotted a land of about 50.00 acres at Mugalia Kot, tehsil Hujur, Bhopal. Capital Project Administration is the Executing Agency. EPCO has been entrusted to provide comprehensive architectural services for the project. and the project was given to M/s. Mehta and Associates, Indore. The Concept Design was approved by University authorities and Chief Secretary which will be constructed in phases. Total Built up Area of Phase-I project is 57916 sq.mt. with estimated cost is 46.36 crores (as per Administrative Approval accorded). Construction at site is 80% completed and rest stand still due to budgetary provisions.

**xiii. Renovation and Interior work of Board Office Building, Bhopal -**

MP Madhyamik Shiksha Mandal, Bhopal had desired to Renovate and Upgrade their existing Main Board Office Administration Building along with other small ancillary buildings in Board Office Parisar in a phased manner such as : Press, Vigyan Bhawan, Dormitory, Guest House, etc. At present Administrative Approval has been obtained for renovation of porch, reception lobby and additional lift. Approximate cost of main Administrative Building & Vigyan Bhawan is Rs. 9.00 crores.

**xiv. 1500 capacity New Auditorium at Ravindra Bhawan Parisar, Bhopal -**

Construction of 1500 capacity New auditorium has completed. Estimated Cost of the project is Rs. 48.00 crores approximately. Auditorium was inaugurated on 26th January 2022.

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**xv. Vikas Bhawan, Bhopal -**

Panchayat and Rural Development department of MP comprises of various offices for various project schemes and all these are located at various places. To bring all these offices under one roof a site was finalized at Arera Hills and Planning work was given to EPCO. M/s Mehta & Associates, Indore was selected for the project by EPCO. After rigorous discussion with deferent departments and client the concept design of estimated cost of Rs. 80 corers was finalized by the department, though administrative approval of Rs. 9641 corers is only accorded in first phase and construction is almost completed. DPR for balance work was also prepared and submitted but revised AA is awaited. Due to this the construction work on site is on hold.

**xvi. Rajswa Bhawan, Gwalior -**

The Architectural Consultancy Services of Rajaswa Bhawan, Gwalior is being provided by EPCO. The proposed project is Composite office complex for Commissioner, Land Records & Settlements and Revenue Board Gwalior / Chambal division Gwalior. The Project cost is Rs. 60.83 crores. The Execution work is nearing completion.

**xvii. 1000 seated Auditorium at MGM hospital Campus, Indore -**

The Architectural services for the project **1000 seated Auditorium at MGM hospital Campus** is being provided by Architectural Firm òBehal Joshi and Associatesö, New-Delhi. The Civil work of the project is nearing completion. The Interior work is on hold due to non availability of sanction of funds from Medical Authorities.

**xviii. Proposed Administrative and Cultural Centre Building for Tribal Affairs Department, Bhopal -**

The project for Tribal Affairs Department consists of Administrative Building, Art and Craft gallery, display space for exhibits along with Cultural Centre for 200 persons seating capacity. This work is being carried out by EPCO in which M/s Shailendra Sharma & Associates, Bhopal is the Consultant Architect.

The site is at Arera Hills with an area of approx. 1.50 hectares. The first phase project cost is Rs. 18.50 crores. The execution of the work is in progress.

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## OTHER ACTIVITIES

### 1. PRIOR ENVIRONMENT CLEARANCE – SEIAA

The Ministry of Environment & Forests GoI (vide SO1533) has issued Environment Impact Assessment Notification on 14.09.2006 under Environment Protection Act, 1986. Under this certain restriction and provision on new project or activities, or expansion or modernization of existing projects or activities based on their potential environmental impacts as indicated in the Schedule to the Notification require Prior Environmental Clearances.

An application seeking prior Environmental Clearance in all cases shall be made by the project proponent online in prescribed forms. The environmental clearance process for new projects will comprise of 4 stages i.e. screening, scooping, public consultation and appraisal. The first stage will entail the scrutiny of an application seeking prior environmental clearance and scooping refers to the process to determine detailed and comprehensive terms of reference addressing all relevant environment concerns for the preparation of an Environmental Impact Assessment (EIA). Public consultation refers to the process by which the concerns of local effected persons and others who have plausible stake in the environmental impact of the project or activities are ascertained with a view to taking into account all the material concerns in the project or activity design as appropriate. Appraisal means the detailed scrutiny by SEAC.

As per above notification, MoEF&CC, GoI has so far constituted four SEIAA/SEAC each of three years duration from the year 2008 to 2021, In continuation to this Ministry of Environment, Forest & Climate Change, GoI, constituted Fourth State Level Environment Impact Assessment Authority (SEIAA), Madhya Pradesh, comprising of three numbers namely Chairman, Member and Member Secretary vide notification SO 2277(E) on 11.06.2021. To assist the Authority, the Central Government in consultation with State Government of Madhya Pradesh also constituted State Level Expert Appraisal Committee (SEAC), Madhya Pradesh having nine members including Chairman and Member Secretary.

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Accordingly, Environment Department, Govt. of Madhya Pradesh vide order no. F-5-1/2017/18-5 dated 15.06.2021 constituted SEIAA & SEAC. The Executive Director, EPCO is the Member Secretary of SEIAA while Member Secretary, M.P. Pollution Control Board is the Member Secretary of SEAC.

Under the schedule of the EIA Notification 14.09.2006 & its amendments all the Prior Environmental Clearances for the projects falling under category "B" is decided by M.P. SEIAA on the basis of the recommendation of SEAC.

Till now, a total of 9269 cases have been registered for prior Environmental Clearance, out of which in 5332 cases MP SEIAA has issued Prior Environmental Clearance.

From 01.04.2021 to 31.03.2022, 68 meetings of SEAC & 45 meetings of SEIAA were conducted. During this period in 610 cases Prior EC was granted.

## **2. WASTE PAPER RECYCLE UNIT**

### **Introduction:**

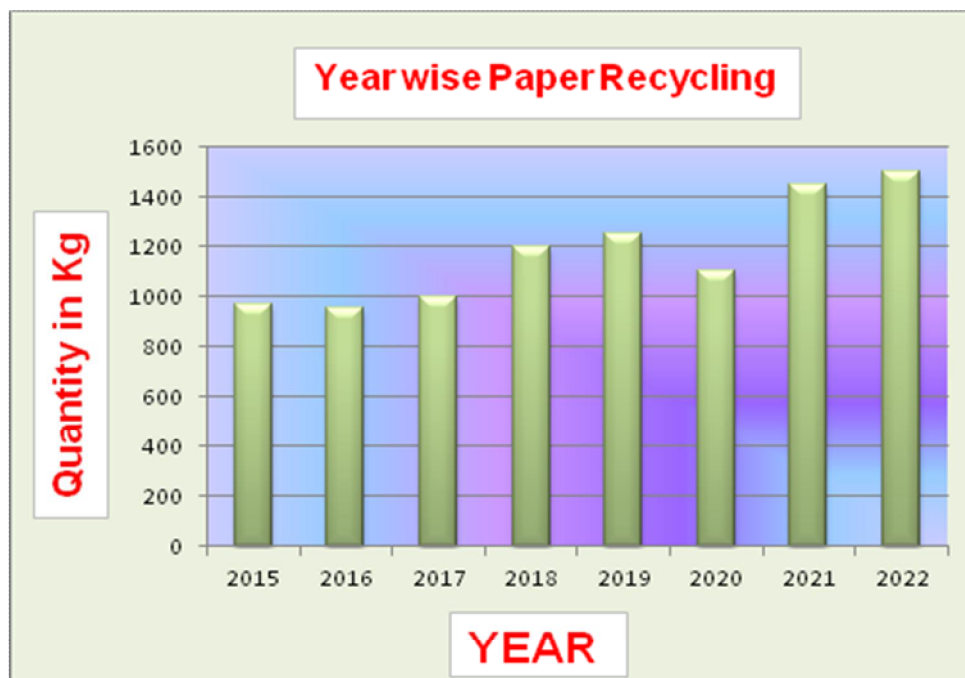
Environmental planning & Coordination Organization (EPCO) has demonstrated a unique example of its waste management in the society by setting up a paper recycling unit to manage its paper waste. EPCO is a autonomous body working under the Department of Environment, Government of Madhya Pradesh, which was established in the year 1981 as an advisory body. EPCO is serving in the field of environment for the last four decades.



Waste paper, which has a high environmental cost, in making which we harm our environment, this paper waste is valuable, it is not garbage, it is our resource. We are managing it and converting it into our resource, with this purpose this unit has been established.

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This unit is recycling EPCO's waste paper and producing various office stationery articles such as file covers, file pads, folder, chit pad, plastic vikalp folder, letter head etc. Which are being used in EPCO office and are provided at production cost for other offices also.



Various officers and ministers keep coming to encourage the functioning of the unit, in the same episode, Shri Hardeep Singh Dang, Hon'ble Minister, Environment department, Madhya Pradesh government and Shri Shriman Shukla, Executive Director, EPCO, had come.



### Achievements

- The unit has recycled around 10 MT till date.
- Meets approximately 90% of EPCO's total stationery demand.
- Green alternative of waste disposal has been demonstrated in the society
- Public awareness for waste management is being made to the students of various educational institutions by demonstrating the unit from time to time.



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### 3. COMPUTER CELL

EPCO has its own computer lab along with Local Area Network. The cell maintains the website of organization i.e. [www.epco.mp.gov.in](http://www.epco.mp.gov.in) as well as web site for MPSEIAA (Madhya Pradesh State Level Environment Impact Assessment Authority) i.e. [www.mpseiaa.nic.in](http://www.mpseiaa.nic.in). The EPCO has also implemented the e-office project. The activities of the EPCO displayed through its website of the organization as well as social media facebook and twitter also.

### 4. DOCUMENTATION CUM LIBRARY

EPCO documentation is an ambitious concept combining a multidisciplinary library computerized documentation and reprographic facilities. The division compiled and edited various publications of the organization including Annual Report Year 2020-21 as well as Prashasnik Prativedan Year 2021-22 of Department of Environment, GoMP, besides compiling the information according to the need from time to time. Division also scanned the Environmental News items from various Newspapers and maintained the clippings after the perusal of higher level officers.

Our Library had a total collection of 5220 volumes as on 31.03.2022 covering a comprehensive array of environment and its related subjects. More than 14 national journals and 8 magazines were subscribed during the year. There is also a collection of 53 video films, 326 slides and 118 CDs depicting important and interesting environmental and ecological aspects. During the year several students and researchers of the universities, colleges, schools and various institutions, besides EPCO officials were benefited from the library.

### 5. CONSULTANCY SERVICES

Consultancy Cell of EPCO is consistently providing services in diverse fields to government and other organization. **GoMP Finance department vide letter no. F-5-6/2011/32 dated 24.06.11** has issued a circular to facilities all government departments, corporation, boards and under taking for consultancy services directly from EPCO from reasonable rate. Consultancy Cell provides their

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services in environment related areas to enhance the activities and to make organization self sustainable.

The major concerned areas are preparation of Detailed project report (DPR) for conservation and management of water bodies, Environmental management plans, Environmental monitoring and assessment projects of various sectors, Monitoring and evaluation of environmental components in various projects being implemented by States, Centre or International funding agencies etc. During previous years, Important Project Includes:

- Preparation of Master plan of Zoo rescue centre of White Tiger Safari, Mukundpur District Satna (M.P.). Under this project stage I to IV works have been completed and remaining work is under progress.
- Monitoring and Evaluation of overall progress of Plantation done by Forest Department Capital Project Administration (CPA) during last five years (2016-2017 to 2020-2021) in Bhopal - Site Inspection and Report Preparation.
- Preparation of Action Plan for development of Amarkantak Town including Comprehensive Mela Plan.

## **6. INDIRA GANDHI FELLOWSHIP**

Indira Gandhi Fellowship - a prestigious fellowship is awarded every year to the residents of the State by Govt. of Madhya Pradesh through EPCO. The objective of the fellowship is to promote the research study on Environmental Conservation and Management in the state.

The selection of the candidate is done by way of inviting proposals through advertisements in News Papers. Selection is done by the jury committee. On the basis of recommendations of jury, approval is granted by Standing Sanction Committee under the chairmanship of Honøble Chief Minister of GoMP. The fellowship provides scholarship of Rs. 25,000/- per month for two years and contingency grant of Rs. 1.00 Lakhs maximum. Processing for award of fellowship for the year 2018-19 and 2019-20 has been done. Approval of standing sanction committee is awaited.

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## **7. ENVIRONMENTAL RESEARCH LABORATORY (ERL), EPCO, BHOPAL**

Environmental Research Laboratory (ERL) was established in the year 1997 for the Water Quality Monitoring of Upper & Lower Lakes of Bhopal under Bhoj Wetland Project. The laboratory was notified by GoMP as State Laboratory, declared vide Gazette Notification No: F-5- 1-2000-XXXII Date: 19th May 2000 under Section 52 of Water (Prevention and Control of Pollution Act, 1974) and Section 28 of Air, (Prevention and Control of Pollution Act, 1981). ERL is equipped with all the basic facilities required for analysis of physico-chemical and biological parameters of water. ERL provides analytical facilities to different Government and Private Clients for analysis of different parameters in water and soil sample. During the year regular monthly water quality assessment of Upper & Lower lakes of Bhopal was done. For this, water samples from 18 sampling stations of Upper Lake and 15 Sampling stations of Lower Lake for analysis of various physico-chemical and biological parameters were collected. More than 30 parameters (including physico-chemical and biological) were analysed on monthly basis to understand the existing water quality of this Ramsar Wetland.

Besides this, Water Quality analysis of more than 30 water bodies of 21 districts of Madhya Pradesh under MoEF& CC, Wetland Rejuvenation: Part 2 Programme has also been completed. Final Report for Detailed Project Report of River Shivna, Mandsaur (MP) has also been submitted.

ERL has also imparted training and capacity building programme to more than 50 UG and PG students from various colleges and Universities.

For advancement of ERL few advance equipments are being purchased and infrastructural strengthening is being done.

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## Photo Gallery of Environmental Research Laboratory



Sampling at Upper Lake



Sampling & analysis at Upper Lake



Analysis of Samples at ERL



Training to Students

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## 8. ANKUR PROGRAMME - A Mass Voluntary Plantation Campaign with Public Participation

Ankur is an ambitious voluntary plantation drive of Government of Madhya Pradesh to inspire and encourage general public to plant & conserve tree and connect themselves with trees and nature. The campaign was conceived and designed during the second wave of Covid-19 pandemic when the gasping humanity experienced the dearth and worth of Oxygen and released the significance of nature in general and vital role tree plays in enriching atmosphere with life giving Oxygen and enhancing green cover.



Ankur program is also the outcome of inspirational and innovative vision of Hon'ble Chief Minister who has taken a vow to plant a tree every day, Ankur Program officially launched on 5th June 2021 on the occasion of World Environment Day by Hon'ble Chief Minister.



Department of Environment, GoMP is the nodal department for Ankur Program and Coordinated by Environmental Planning and Coordination Organization (EPCO). Ankur program is an innovative technology driven mobile app based program where real time Geo- tagged monitoring of planted sapling is being done. Development of Vayudoot- Ankur mobile app and technology support is provided by MAP\_IT, a GoMP agency for promotion of information technology.

A large no of citizens from across the state have participated in the campaign with great enthusiasm. To make Ankur program mass plantation campaign, two mega plantation drives were organized i.e. - 1st to 5th March 2022 and Hariyali Amavashya 28th July to 15th August 2022. Up till 29.8.2022 more than 15 lakh participants registered on Vayudoot App and uploaded more than 35 lakh first photo of their plantations and more than 58 lakh saplings planted across the state.





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## 9. JAL TARANG WETLAND INTERPRETATION CENTER

Jal Tarang Interpretation Center was developed in 2004 under Bhoj wetland project to provide visitors with meaningful and relevant information about lakes and wetland ecosystem in general and specific on Bhoj wetland. The interpretation Center has been renovated by updating and enhancing information in present context and replacing exhibits, working models, audio-visuals, touch screens with modern technology based equipments.

The Interpretation Center has been established with a view to disseminate information for increasing awareness and sensitivity of the people towards the conserving and wise use of wetlands and water resources.

Renovated Jaltarang Wetland Interpretation Center inaugurated by Hon'ble Chief Minister in the presence of Hon'ble Environment Minister on world environment day, 5<sup>th</sup> June 2022. Centre is now opened for general public.

