



Launch of Ganga Aqualife Conservation Monitoring Centre & Ganga Aqualife Knowledge Management Centres

Under
Biodiversity Conservation And
Ganga Rejuvenation
NMCG-WII Initiative



भारतीय वन्यजीव संस्थान
Wildlife Institute of India



राष्ट्रीय स्वच्छ गंगा मिशन
National Mission for Clean Ganga



BIODIVERSITY CONSERVATION & GANGA REJUVENATION
Ministry of Water Resources, River Development and Ganga
Rejuvenation
&
National Ganga River Basin Authority
NATIONAL MISSION FOR CLEAN GANGA



PROJECT LAUNCH REPORTS- Uttarakhand, Uttar Pradesh, Bihar, Jharkhand



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Gaumukh:

Gangetic Dolphin: Udayan Borthakur

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Preface

The Ganga Action Plan (GAP) was launched in 1986 with the main focus on improving the river conservation programme that included pollution abatement, improvement of water quality, treatment of domestic sewage and restriction of toxic and industrial chemical wastes from being discharged into the river. In 2009, the Government of India (G.O.I) established the National Ganga River Basin Authority (NGBRA) with the primary objective of effectively planning and managing all the activities pertaining to cleaning of the Ganga River as well as maintaining its biodiversity. Understanding the significance of river management and the critical role of aquatic ecosystems it aimed at a comprehensive and holistic approach, involving all the sectors of the society.

To increase the momentum of cleaning of the Ganga River, Ministry of environment, Forests and Climate Change (MoEFCC) formed the National Mission for Clean Ganga (NMCG) in 2011 for strengthening the implementation of the objectives of NGBRA across all the states where the Ganga River and its tributaries flow. Later NMCG and NGBRA were allocated to the Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD & GR). The *Namami Gange* programme has been launched with the primary objective of rejuvenating the Ganga River. Due to the ecological and social significance of the Ganga River, it is pertinent that clear cut actions are taken for its protection against further degradation.

Wildlife Institute of India (WII), Dehradun, will play an integral role by acting as the technical and scientific knowledge partner to the NMCG in order to strengthen the initiative and achieve the main goal of biodiversity conservation and Ganga rejuvenation. WII will develop a science based aquatic species restoration plan for Ganga River by involving multiple stakeholders; engage in capacity development of the Forest Department and other stakeholders; establish the 'rescue and rehabilitation centres' for the endangered fauna of the Ganga, at select sites, by developing human resources and infrastructure, with support from the Forest and Veterinary departments. The aim is also to elicit the participation of local communities in NMCG initiatives by providing platforms through the Panchayati Raj System and capacity development. Developing and implementing conservation education program for the river side communities of the Ganga River is also one of the objectives for the WII to carry out.



The various projects under the *Namami Gange* programme were successfully launched on 7th July, 2016 by Shri Harish Rawat, Honourable Chief Minister of Uttarakhand, in the chairmanship of Shri Nitin Gadkari, Honourable Minister of Road Transport, Highways and Shipping of India, Gol and in special presence of Sushri Uma Bharti, Honourable Union Minister of Water Resources, River Development and Ganga Rejuvenation, Gol, Shri Mahesh Sharma, Honourable Minister of Tourism and Culture, Gol and other dignitaries. More than 231 projects were launched along the banks of the Ganga at 100 locations. *Namami Gange* intends to invest in all aspects of cleaning Ganga River i.e. beautification of ghats, setting up of sewage treatment plants, managing industrial discharge, water quality management, afforestation programmes, conserving the ecologically important species that are dependent on the Ganga River for their survival, setting up of Ganga Knowledge and Interpretation Centres for awareness generation and knowledge dissemination in order to fulfil the primary objective of Ganga rejuvenation.

This report provides the information on the launch of the Ganga Aqualife Conservation and Monitoring Centre (Dehradun) and Ganga Aqualife Knowledge Management Centres (Narora, Sarnath, Bhagalpur and Sahibganj). These centres were officially launched on 7th July, 2016, in Haridwar as well as Narora, Sarnath, Bhagalpur and Sahibganj, by the Wildlife Institute of India in collaboration with the Forest department officials of their respective states (Uttar Pradesh, Bihar, Jharkhand and NPCIL in Uttar Pradesh). The launch event was attended by people from all the sectors of the society like students and teachers from local school, professors from universities, scientists and research scholars from institutions working in the field of environment and wildlife conservation, officers from the Territorial Army, representatives from local Non- Governmental Organizations (NGOs) and local communities; showing their willingness, support and commitment to this extremely important initiative.



ACKNOWLEDGEMENTS

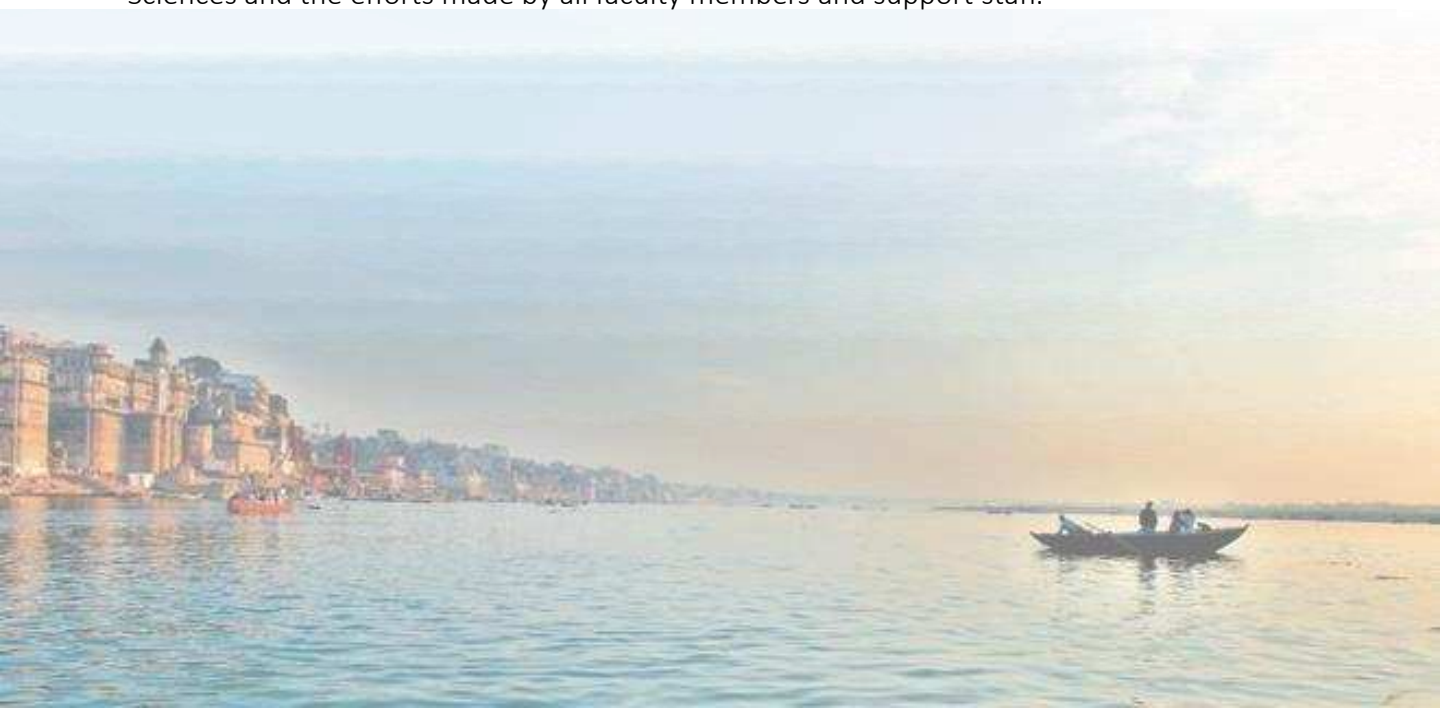
We express our sincere gratitude to the Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India, National Ganga River Basin Authority, Government of India, National Mission for Clean Ganga, Government of India, Ministry of Environment, Forests and Climate Change, Government of India, for providing an opportunity to the Wildlife Institute of India to be a scientific and technical knowledge partner under the *Namami Gange* programme.

We express our gratitude to Dr. Rajat Bhargava, Joint Secretary and Mission Director, NMCG, Shri Hari Har Mishra, Director Finance, NMCG, Dr. Sandeep K. Behera, Consultant Biodiversity, NMCG and Staff of NMCG at respective sites for providing us the necessary support during the launch of the Ganga Aqualife Conservation Monitoring Centre and Ganga Aqualife Knowledge Management Centres, at Haridwar and other sites on 07/07/2016.

We sincerely acknowledge the cooperation extended by the respective forest departments namely Uttarakhand Forest department, Uttar Pradesh Forest Department, Bihar Forest Department of Jharkhand Forest Department and West Bengal Forest department for giving their wholehearted support in carrying out the activities under the *Namami Gange* programme in their respective states.

We express our appreciation to the Nuclear Power Corporation of India Limited and Narora Atomic Power Station for providing their support in launching of this project.

We acknowledge the guidance of Director, Wildlife Institute of India and Dean, Faculty Wildlife Sciences and the efforts made by all faculty members and support staff.



LIST OF ABBREVIATIONS

CCF	Chief Conservator of Forest
CF	Conservator of Forest
DFO	Divisional Forest Officer
FTO	Field Technique Officer
GACMC	Ganga Aqualife Conservation Monitoring Centre
GAP	Ganga Action Plan
GoI	Government of India
IFS	Indian Forest Services
INR	Indian National Rupees
MoEFCC	Ministry of Environment, Forests and Climate Change
MoWR, RD & GR	Ministry of Water Resources, River Development and Ganga Rejuvenation
MLA	Member of Legislative Assembly
MoU	Memorandum of Understanding
MP	Member of Parliament
NAPS	Narora Atomic Power Station
NGOs	Non-Governmental Organizations
NGRBA	National Ganga River Basin Authority
NMCG	National Mission for Clean Ganga
NPCIL	Nuclear Power Corporation of India Limited
WAPCOS	Water and Power Consultancy Services
WII	Wildlife Institute of India

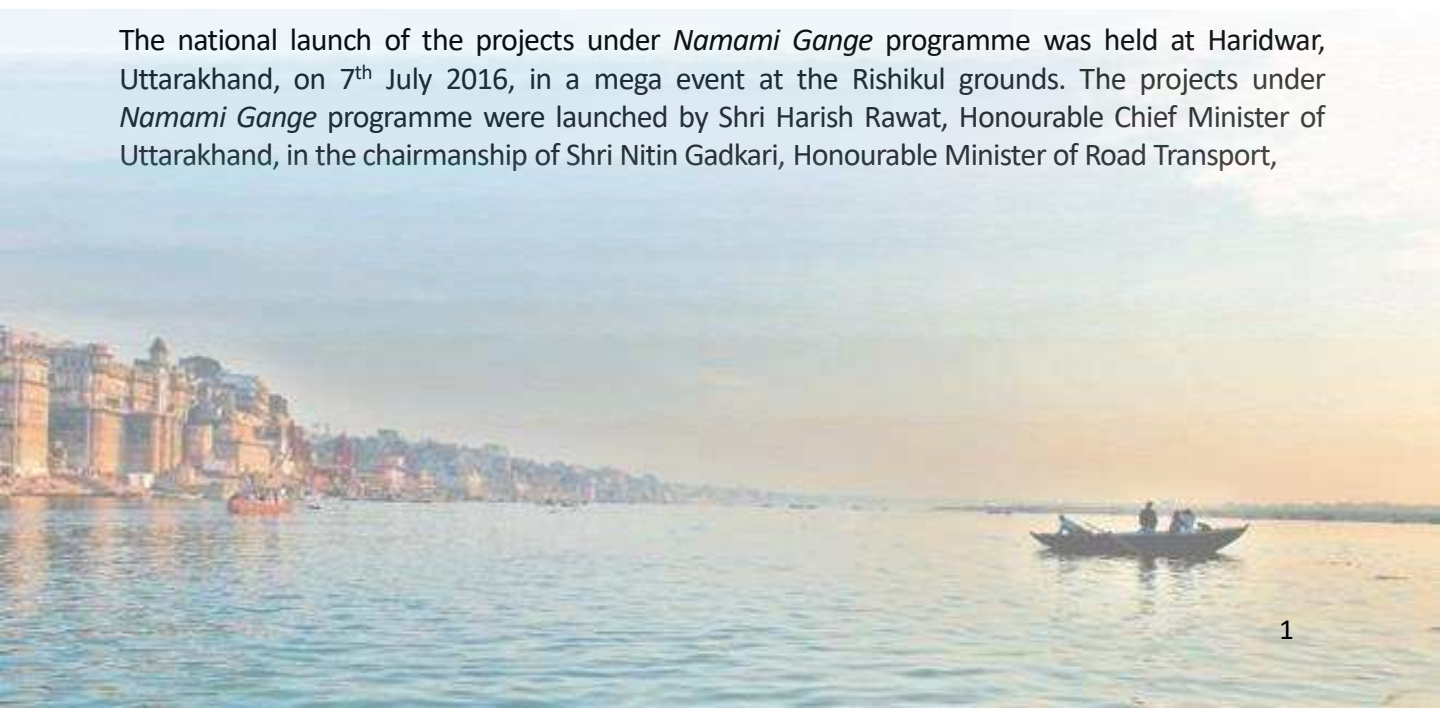


Introduction

The Government of India established the NGRBA with a view to address the issue of Ganga at the basin level so as to maintain its water quality, ecological flows, biodiversity and sustained ecosystem services. The Ministry of Water Resources, River Development and Ganga Rejuvenation, NGRBA has initiated NMCG with a comprehensive approach to address the challenges faced by Ganga River via four different sectors, namely, waste water management, solid waste management, industrial pollution and river front development. It has developed a comprehensive strategy to restore the biodiversity value of the Ganga River. The proximate goal is to ensure that, by 2020, a significant reduction of threats to the biodiversity populations of Ganga River, either currently endangered or likely to become endangered in the foreseeable future, is achieved.

The project “Biodiversity conservation and Ganga Rejuvenation” forms the integral part of this conservation strategy. This project proposal aims to develop a science based aquatic species restoration plan for Ganga River by involving multiple stakeholders. Following conservation actions have been proposed: (a) Create a coordinating institution - Ganga Aqualife Conservation Monitoring Centre (GACMC) at WII, Dehra Dun, for science based conservation planning and dissemination of information; (b) Prepare a biodiversity profile of Ganga River and develop pilot species restoration plans for select stretches and species; (c) Develop capacity of Forest Department and other stakeholders of the Ganga River States for regular monitoring of identified species of conservation significance (River dolphin, Crocodiles, Otter and Waterbirds); (d) Assist NMCG in establishing the rescue and rehabilitation centres for endangered fauna of the Ganga, at select sites, by developing human resources and infrastructure with support from the Forest and Veterinary departments; (e) Develop and implement strategies to involve the stakeholders, particularly, the river side communities for species restoration; and (f) Educate people through conservation awareness programs relating to the aquatic biodiversity of Ganga River.

The national launch of the projects under *Namami Gange* programme was held at Haridwar, Uttarakhand, on 7th July 2016, in a mega event at the Rishikul grounds. The projects under *Namami Gange* programme were launched by Shri Harish Rawat, Honourable Chief Minister of Uttarakhand, in the chairmanship of Shri Nitin Gadkari, Honourable Minister of Road Transport,



Highways and Shipping of India, GoI and in special presence of Sushri Uma Bharti, Honourable Union Minister of Water Resources, River Development and Ganga Rejuvenation, GoI, Shri Mahesh Sharma, Honourable Minister of Tourism and Culture, GoI and other dignitaries. Sushri Uma Bharti, Honourable Minister of Water Resources, River Development and Ganga Rejuvenation, GoI, unveiled the foundation stone stating the inauguration of 43 projects undertaken in Uttarakhand on various aspects of Ganga River under the *Namami Gange* program.

WII is among the institutions that are a part of the *Namami Gange* programme and is responsible for establishing Ganga Knowledge Management Centres at select sites. As a part of the national launch of the *Namami Gange* Programme, WII was directed by Dr. Rajat Bhargava, Joint Secretary and Mission Director, NMCG, to hold the launch programme at the selected sites, viz., Haridwar (Dehradun), Narora, Varanasi, Bhagalpur and Sahibganj Vide Letter No. B-02/2015-16/1259/NMCG-WII proposal dated 1st July 2016.

Extensive preparation was carried out by WII prior to this launch. Compilation of literature on the Ganga River system and its biodiversity, webpage content compilation and design, and preparation of banners, posters, brochure and other display materials were done. All the selected sites were visited by WII scientists along with researchers to identify appropriate infrastructural improvement for the establishment of Ganga Knowledge Management Centres. These sites were selected keeping in mind the connectivity and accessibility by road as well as the distance from the river. Relevant stakeholders were identified and involved in the initial planning process. For the project, the institute has already invested in LFD screens and SHARP software to generate awareness and disseminate information on the various components of the project undertaken and Ganga's aquatic biodiversity.

The launch program was held on 7th July 2016 at all the five sites simultaneously. The details of the nodal officer, along with the names of the researchers, in charge of the launch programme at each site has been appended in Annexure 13. The minute to minute detailed report of each site is provided in the following pages.





Haridwar





Project *Namami Gange* Launch in Rishikul Maidan, Haridwar

Launch of the Project

Biodiversity Conservation And Ganga Rejuvenation (*Namami Gange*) Haridwar, Uttarakhand

Namami Gange programme is an initiative taken up by the Ministry of Water Resources, River Development and Ganga Rejuvenation, GoI, for cleaning the holy river Ganga and ensuring its unfettered flow as well as conserving and protecting its aquatic biodiversity. In 2015, the Central Government had allotted a sum of INR 20,000 crore for cleaning the Ganga River in five years.

The projects under *Namami Gange* were formally launched in Haridwar on 7th July 2016, at 11:00 am, in a mega event at the Rishikul grounds. The launch of the projects took place by Shri Harish Rawat, Honourable Chief Minister of Uttarakhand, in the chairmanship of Shri Nitin Gadkari, Honourable Minister of Road Transport, Highways and Shipping of India, GoI and in special presence of Sushri Uma Bharti, Honourable Union Minister of Water Resources, River Development and Ganga Rejuvenation, GoI, Shri Mahesh Sharma, Honourable Minister of Tourism and Culture, GoI and other dignitaries. More than 231 projects along the banks of Ganga were launched at 100 locations under the *Namami Gange* programme to clean and protect the 2,500 km long river. 1,000 projects have been lined up in different states including Delhi, Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal under NMCG. The launch event at Haridwar was coordinated by WAPCOS Limited, an accredited Public Sector Enterprise under the aegis of the Union Ministry of Water Resource, River Development & Ganga Rejuvenation, GoI. A team from WII, Dehradun (Dr. V.B. Mathur- Director, WII; Dr. Ruchi Badola- Scientist-G, WII; Dr. Pranab Pal- FTO and Research Scholars- Dr. Shivani Barthwal, Ms. Upma Manral, Ms. Amanat K Gill and Ms. Aditi Dev) were present at the event.





Launch of projects under Namami Gange programme by Shri Harish Rawat, Honourable Chief Minister of Uttarakhand, in the chairmanship of Shri Nitin Gadkari, Honourable Minister of Road Transport, Highways and Shipping of India, Gol and in special presence of Sushri Uma Bharti, Honourable Union Minister of Water Resources, River Development and Ganga Rejuvenation, Gol, Shri Mahesh Sharma, Honourable Minister of Tourism and Culture, Gol and other dignitaries by lighting the lamp

The programme started by the lighting of the lamp by all the honourable ministers and dignitaries followed by a welcome song performance by students from the Faculty of Music and Fine Arts, University of Delhi.



Welcome Song performed by students of Faculty of Music and Fine Arts, University of Delhi at the launch of the projects under Namami Gange



Dr. Rajat Bhargava, Joint Secretary and Mission Director, NMCG, welcomed the honourable guests and stated the tasks under the Namami Gange programme, supported by the video made by NMCG providing a glimpse of the projects.

Release of Namami Gange Anthem

The 'Namami Gange Anthem' composed and sung by Trichur Brothers and the video directed by Ms. Deepika Chandrasekharan to promote the Clean Ganga campaign was released at the launch by the honourable dignitaries. The anthem is part of a massive publicity campaign to spread awareness about the government's initiative. The Trichur brothers and Ms. Deepika Chandrasekharan were felicitated for their contribution.



Namami Gange Anthem video clippings directed by Ms. Deepika Chandrasekharan who are being felicitated for composing the Namami Gange Anthem



Trichur Brothers, Music composers of Namami Gange Anthem

Dr. Ramesh Pokhriyal, MP Haridwar and Former Chief Minister Uttarakhand, then delivered a speech, wherein he talked about initiatives undertaken by the Government of Uttarakhand under his leadership, in 2010, to clean the Ganga, the 'Sparsh Ganga Campaign'.



Dr. Ramesh Pokhriyal, MP Haridwar and Ex Chief Minister Uttarakhand addressing the dignitaries and talking about 'Sparsh Ganga' Initiative in 2010

Dr. Mahesh Sharma, Honourable Minister of Tourism and Culture, Gol, spoke about the significance of the Clean Ganga Mission taken up by the Government of India in his speech.



Dr. Mahesh Sharma, Honorable Minister of Tourism and Culture, Gol, addressing the people about Clean Ganga Mission

Sushri Uma Bharti, Honourable Minister of Water Resources, River development and Ganga Rejuvenation, Gol, addressed the gathering by asserting that *Namami Gange* programme will be very successful, adding that the first impact of this ambitious programme would be seen by October this year. She said that the river is getting polluted



due to waste water from industries and sewerage of cities. She asserted that "Ganga is perhaps the only subject on which there is complete unanimity in the whole country". She further added "We are not doing any obligation to Mother Ganga, rather this is an atonement for the sins we have committed by polluting her." She informed that the Centre is mulling passage of a legislation called the Ganga Act in Parliament for the success of the *Namami Gange* programme.

Lauding Sushri Uma Bharti's efforts, Honourable Minister of Road Transport, Highways and Shipping of India, GoI, Shri Nitin Gadkari said that steps should also be taken for the "marketing" of Ganga. "If Germany can sell water of its rivers in distant lands, why can Ganga's water not be made available to people in India and abroad for drinking or other purposes," he said.



Sushri Uma Bharti, Shri Nitin Gadkari, Shri Harish Rawat addressing the audience about Namami Gange programme during the launch

Honourable Chief Minister of Uttarakhand, Shri Harish Rawat spoke about the current initiatives taken by the state to clean Ganga River and the future possibilities in this regard. He also talked about the possibility of setting up waterways between the states of Uttarakhand and Uttar Pradesh.





Launch of the Book- Ghats on Ganga River, Uttarakhand prepared by WAPCOS, by all the honourable ministers and dignitaries present at the inauguration.

After the speeches by all the honourable ministers, a book- ‘Ghats on Ganga River, Uttarakhand’ prepared by WAPCOS was released by all the dignitaries.

Role of Wildlife Institute of India

Forming an integral part of NMCG, Wildlife Institute of India, Dehradun, will provide the research and technical assistance for fulfilling the following objectives pertaining to the biodiversity conservation of Ganga River, under ‘Biodiversity Conservation and Ganga Rejuvenation’:- Establishment of Ganga Aqualife Conservation Monitoring Centre (GACMC) Planning and Implementing Aquatic Species Restoration for Ganga River Capacity Building of Forest Department and other Stakeholders Establishment of Rescue and Rehabilitation Centres Community Based Conservation Programmes for Species Restoration in Ganga River Nature Interpretation and Education for Biodiversity Conservation of Ganga River Posters, brochures, panels and standees were designed by the team at WII depicting the significance of Ganga River for the survival and sustenance of its diverse aquatic biodiversity like Gangetic Dolphin (*Platanista gangetica gangetica*), Black Necked Stork (*Ephippiorhynchus asiaticus*), Gharial (*Gavialis gangeticus*), Smooth Coated Otter (*Lutrogale perspicillata*), many waterbirds and others that it supports.





Posters of various species that are found and are dependent on Ganga River prepared by Wildlife Institute of India, Dehradun showcased at the launch of Namami Gange programme

The brochure, both in Hindi and English, on the 'Biodiversity Conservation and Ganga Rejuvenation' project undertaken by WII, illustrating its six components, was released by Shri Nitin Gadkari, Honourable Minister of Road Transport, Highways and Shipping of India, GoI, Sushri Uma Bharti, Honourable Union Minister of Water Resources, River Development and Ganga Rejuvenation, GoI, Shri Harish Rawat, Honourable Chief Minister of Uttarakhand, GoI, Shri Mahesh Sharma, Minister of Tourism and Culture, GoI, and other dignitaries present at the launch of the projects under *Namami Gange* Programme.



Launch of brochures designed by Wildlife Institute of India at the inauguration of the projects under Namami Gange Programme

Ganga Aqualife Conservation Monitoring Centre in Dehradun, Uttarakhand and Ganga Aqualife Knowledge Management Centres in Narora and Sarnath (Uttar Pradesh), Bhagalpur (Bihar) and Sahibganj (Jharkhand) are being set up by WII as the knowledge and



management centres on the conservation and protection of Ganga's aquatic biodiversity. The Centres were formally inaugurated by Shri Nitin Gadkari and Shri Harish Rawat in the presence of Sushri Uma Bharti and Dr Mahesh Sharma at the launch event.

A video on the biodiversity that Ganga River supports and the local communities that are dependent on it as well as the components that will be carried out by WII, prepared by WII, was showcased during the project launch.



Panels displaying the Ganga Aqualife Conservation Monitoring Centre, WII and Ganga Aqualife Knowledge Management Centre, Narora, Sarnath, Bhagalpur and Sahibganj



Video made by spearhead team of WII showcased at the launch



Unveiling of Foundation stone by Sushri Uma Bharti

Sushri Uma Bharti, in the presence of Shri Nitin Gadkari and Shri Harish Rawat, unveiled the foundation stone stating the launch of 43 projects in Uttarakhand, on the various aspects of Clean Ganga River Mission under the Namami Gange programme such as construction of sewage treatment plants, sewage pumping stations, ghats and crematoria, biodiversity centres and knowledge centres as well as projects for creating awareness about NMCG. In all, 43 projects worth INR 250 crore were initiated for Uttarakhand; INR 200 crore was earmarked for Bihar, INR 250 crore for Jharkhand, INR 200 crore for West Bengal, and approximately INR 600 crore for Uttar Pradesh.

Launch of Website and Mobile App on Clean Ganga Mission

The government also launched a website (<http://bhuvan.nrsc.gov.in/projects/ganga/>) and a mobile app, named **Bhuvan Ganga Mobile Application**, for the Clean Ganga project at the launch event in Haridwar. This is an initiative to reach as many people as possible using various kinds of media available and increase the participation and willingness of people towards Clean Ganga Mission.



Unveiled foundation stone representing launch of 43 projects under *Namami Gange* in Uttarakhand State





Bhuvan Ganga Website launched at inauguration of Namami Gange

At the end of the programme, all the honourable ministers and dignitaries were presented with plates commemorating the launch of the projects under *Namami Gange* followed by the vote of thanks by Shri Hari Har Mishra, Director Finance, NMCG.



Shri Rajat Bhargava, Joint Secretary and Mission Director, NMCG felicitating Sushri Uma Bharti, Honourable Minister of Water Resources, River Development and Ganga Rejuvenation, GoI, with a commemorative plate



GLIMPSES OF THE EVENT



MEDIA COVERAGE

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'Namami Gange' project launch today

Work to begin a year before the 100th anniversary

The Hindu, November 26, 2012 (PTI)

The Centre will launch its 100th anniversary 'Namami Gange' project on Thursday, November 26, 2012, marking the 100th anniversary of the birth of Mahatma Gandhi. The project aims to rejuvenate the Ganga river and its tributaries, improve the water quality, and provide clean drinking water to the people living along the river.

The project will be implemented in three phases. The first phase will focus on the upstream areas, the second phase on the middle reaches, and the third phase on the downstream areas. The project will involve the construction of dams, bridges, and other infrastructure, as well as the implementation of various water conservation and pollution control measures.



Children play near a well in a village in the Ganga basin. (PTI)

The Tribune
Punjab, India

Namami Gange takes off at Haridwar today
The Union Government will inaugurate the 'Namami Gange' project on Thursday, November 26, 2012, marking the 100th anniversary of the birth of Mahatma Gandhi. The project aims to rejuvenate the Ganga river and its tributaries, improve the water quality, and provide clean drinking water to the people living along the river.

UP SCOURGES
40 members of Congress party in UP are facing charges of corruption. The party has denied the charges and said that the members are innocent.

UP SCOURGES
The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

UP SCOURGES
The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

INDIAN EXPRESS
New Delhi, India

Centre to launch 300 Namami Gange projects worth over Rs 2,000 crore today
The Union Government will launch 300 'Namami Gange' projects worth over Rs 2,000 crore on Thursday, November 26, 2012, marking the 100th anniversary of the birth of Mahatma Gandhi. The project aims to rejuvenate the Ganga river and its tributaries, improve the water quality, and provide clean drinking water to the people living along the river.

UP SCOURGES
The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

UP SCOURGES
The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

hindustantimes
New Delhi, India

Namami Gange will succeed only if there's sustained effort, constant vigilance
The Union Government will launch 300 'Namami Gange' projects worth over Rs 2,000 crore on Thursday, November 26, 2012, marking the 100th anniversary of the birth of Mahatma Gandhi. The project aims to rejuvenate the Ganga river and its tributaries, improve the water quality, and provide clean drinking water to the people living along the river.

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the mint
New Delhi, India

Namami Gange Mission: Govt to launch 231 projects on Thursday
The Union Government will launch 231 'Namami Gange' projects on Thursday, November 26, 2012, marking the 100th anniversary of the birth of Mahatma Gandhi. The project aims to rejuvenate the Ganga river and its tributaries, improve the water quality, and provide clean drinking water to the people living along the river.

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The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

UP SCOURGES
The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

THE FINANCIAL EXPRESS
New Delhi, India

Namami Gange: 231 projects for 'Clean Ganga' launched today by Uma Bharti
Union Minister of Water Resources, River Development and Ganga Rejuvenation, Uma Bharti, launched 231 projects for the 'Clean Ganga' project on Thursday, November 26, 2012, marking the 100th anniversary of the birth of Mahatma Gandhi. The project aims to rejuvenate the Ganga river and its tributaries, improve the water quality, and provide clean drinking water to the people living along the river.

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The UP government has announced that it will launch a new scheme to provide clean drinking water to the people living in the rural areas of the state.

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Narora



INAUGURATION OF GANGA AQUALIFE KNOWLEDGE MANAGEMENT CENTRE

NARORA, UTTAR PRADESH



The project “Biodiversity conservation and Ganga Rejuvenation” being carried out by Narora Atomic Power Station (NAPS), a unit of Nuclear Power Corporation of India Limited (NPCIL), with technical assistance from WII, Dehradun, forms an integral part of the NMCG conservation initiative with its main objective to monitor the health of the Ganga.

The team from WII (Dr. Gautam Talukdar- Scientist D, and Research Scholars Dr. Pariva Dobriyal and Ms. Michelle Irengbam) reached the Narora site in the evening of 5th July 2016. On the morning of the 6th July 2016, discussions with members of the Environmental Stewardship Programme of NAPS, Shri Raja Mandal (Engineer, NPCIL) and Shri P.D. Mishra (Engineer, NPCIL) were held to decide on further course of action. After which site inspection of the Atomic Energy Central School, Narvar Ghat and the Turtle Rearing and Breeding Facility were done by the team from WII accompanied by Shri Raja Mandal and Shri P.D. Mishra. Meeting with principal of the Atomic Energy Central School was held to finalize the schedule of sensitization programme for students and drawing competition for which topic was decided as biodiversity of Ganga River. Preparations for the launch programme were carried out in the evening.

On the morning of 7th July 2016, the WII team along with Shri Raja Mandal and Shri P.D. Mishra visited the school and prepared for the sensitization programme and drawing competition. The Programme started at 7.20am. After completing the programme at school, Dr. Gautam Talukdar called Station Director of the NAPS and fixed a meeting with him. In the presence of Shri P.D. Mishra and Shri Raja Mandal the meeting started at 11.00 am at the residence of Station Director, NAPS. Shri Subhashish Patra (Maintenance Superintendent Coordinator, Environment Stewardship Program, NAPS) who supposed to join the meeting could not join as he was not well.

The meeting with the Station Director, Shri D.S. Choudhary (Station Director, NAPS), was long and productive. He had reservations about making an official commitment about the program in the Turtle Breeding facility. Discussions about the NMCG project continued during which Dr. Gautam Talukdar briefed him about the project, its different components, need for logistic support and assured him technical support. However, the Station Director advised not to use the NPCIL logo in any of the display material until the MoU between WII and NPCIL was signed.



Although, later in the afternoon, the MoU was signed and faxed by Shri Sushant Kumar Jena (NPCIL, Mumbai) to the Station Director's Office. However, any programme could not be organized on 7th July as it was a holiday at NAPS, Narora.

Following activities were organized at Narora for the launch of the project 'Biodiversity Conservation and Ganga Rejuvenation' and sensitization of the people.



Site inspection of Atomic Energy Central School



Site inspection of Narvar Ghat

Atomic Energy Central School Programme

The principal of the NAPS school, Shri R.S. Solanki, was informed about the programme beforehand. The school programme started at 7:20 am during the morning assembly. The main focus was to sensitize the students about the importance of biodiversity conservation with emphasis on Ganga River. A short talk was given by Dr. Gautam Talukdar on Ganga and its biodiversity followed by a power point presentation biodiversity followed by a



power point presentation by Dr. Pariva Dobriyal about the journey of the Ganga River, starting from Gomukh to the Bay of Bengal. This was followed by a short video clip displaying the importance of the river and its biodiversity value. To increase awareness among the students, a painting competition was organized under the theme 'Aquatic life of the Ganga River' for students in classes VIth –Xth. About 500 students along with the teachers and other staff of the school attended this event. Evaluation of the paintings submitted was done by the WII team and prize winners were selected.





Programme conducted at NAPS School

Official launch of NMCG projects in Narora at Narvar Ghat on 7th July 2016

The inauguration of the project started around 4:30 pm at Narvar Ghat. The honourable chief guests present for the launch of the projects under *Namami Gange* were Dr. Bhola Singh (Member of the Parliament), Shri Sanjay Sharma (Advisor to the Ministry of Water Resources, Government of India), Shri D.S. Choudhary (Station Director), Dr. Sandeep Behera (NMCG), Himanshu Mittal (District leader of BJP) and Shri Sandeep Bhaiya (Samajhwadi Party, District of Etah, Uttar Pradesh).

The chief guests were welcomed with bouquets of flowers by the WII team after which a welcome song was sung by the students of the local school. All the projects of Namami Ganga, including renovation of the ghats, public facilities in the ghats, schemes for the public,



biodiversity conservation and Ganga rejuvenation etc. were inaugurated by Dr. Bhola Singh. This was followed by the release of the Namami Ganga song. A sapling of Ficus sp. was planted and the foundation stone was unveiled by Dr. Bhola Singh. The WII-NMCG Brochure, in Hindi and English, were released by the honourable chief guests and dignitaries present. These brochures were also given to the representatives from the local and national media outlets.



Official launch of NMCG projects at Narvar Ghat





Official launch of NMCG projects at Narvar Ghat

Programme at Turtle Rearing and Breeding Facility, NAPS

The members of different sports club, students from nearby school and volunteers of the Namami Gange programme were gathered at the head starting Turtle Breeding Facility. Dr. Gautam Talukdar discussed and made the volunteers aware about the different species of turtles and birds, and the need and importance of their conservation. This was followed by a quiz, conducted to evaluate their level of awareness about biodiversity and its conservation. Participants were well aware of conservation initiatives and interested to participate in the activities of the NMCG- Biodiversity Conservation and Ganga Rejuvenation project. Refreshments were provided to all the participants and the programme concluded at around 7:30 pm in the evening.

Detailed meeting with the officials dealing with the Environmental Stewardship Programme was held to discuss the modalities of the project followed by a working dinner.





Sensitization of students and volunteers at the Turtle Rearing and Breeding Facility, NAPS

Prize distribution at Atomic Energy Central School

The prize distribution for the painting competition was held in the school assembly the following day, 8th July 2016. On the basis of the evaluation, 5 winners were selected and a participation gift was given to the rest of the participants.





The inaugural event at Narora was an extremely fruitful event with insightful interactions with many stakeholders and youth regarding the biodiversity and its conservation, and the need and significance of the *Namami Gange* programme. The response of the youth was very supportive, which provides encouragement to this initiative. In future, the mileage would be manifold with involvement of more potential stakeholders for the successful implementation of the project.



GLIMPSES OF THE EVENT







Sarnath



INAUGURATION OF GANGA AQUALIFE KNOWLEDGE MANAGEMENT CENTRE

SARNATH, UTTAR PRADESH



The project “Biodiversity conservation and Ganga Rejuvenation” under NMCG forms the integral part of this conservation strategy. This project aims to develop a science- based aquatic species restoration plan for Ganga River by involving multiple stakeholders. For the inauguration of the Ganga Aqualife Knowledge Management Centre in Sarnath, which is one of the part of the NMCG-WII initiative under *Namami Gange* programme, the WII team, comprising of Dr. R. Suresh Kumar (Scientist– D, WII) and Mr. Narendra Mohan Katara (Research Scholar), left for Lucknow from the headquarters in Dehradun on the morning of 5th July 2016 and arrived in Sarnath Turtle breeding centre on 6th July, 2016. They were later joined by Shri P.C. Tyagi (Scientist – G, WII) in Sarnath on 6th July, 2016.

Preparatory meeting on 6th July 2016

In the evening of 6th July 2016, the WII team members held a preparatory meeting with Shri O.P. Singh (Range officer) and Shri Nishikant Sonkar (Forest guard) to decide on the arrangement pertaining to the launch programme. The 42 inch Sharp LCD TV screen purchased by WII under the NMCG program for interpretation activities was handed over to the Range officer. Following which, a site inspection of the Turtle breeding centre was made.



*Entrance of Turtle Breeding Centre,
Sarnath*



Namami Ganga Project Launch on 7th July 2016

The NMCG programme launch was scheduled to start at 10:00 am on 7th July 2016 but due to Eid celebrations happening on the same day the program got delayed and commenced at 11:30 am. The programme commenced with the singing of the “*Saraswati Vandana*” by the students of Raj Convent and followed by the welcome of the distinguished participants. An introductory speech on the mission and vision of the NMCG-WII initiative was given by Shri. P.C. Tyagi (Scientist-G, WII). This was followed by speeches delivered by Shri Bhushan Kumar Pandey representative of a local NGO named Sankat Mochan Foundation and by a teacher at Uchch Prathamik Vidyalaya. Shri Praveen Kumar Rao, Chief Conservator of Forests, Allahabad, Shri Ashok Dixit, Conservator of Forest, Varanasi and Shri Manoj Sonkar, Divisional Forest Officer, Kashi, also spoke about the importance of Ganga and its biodiversity, need for its awareness, threats and the conservation of its biodiversity. The inaugural function was attended by more than 150 people including local public, members of local NGO, media person, school students and forest department staff.



Narration of the mythological importance of Ganga and its role in conservation by a representative of an NGO

Shri P. C Tyagi (Scientist – G, WII) in his speech expressed the importance of aquatic wildlife for the betterment of the Ganga River and explained the mission objectives of WII for NMCG.



Namami Ganga Project Launch on 7th July 2016 The NMCG programme launch was scheduled to start at 10:00 am on 7th July 2016 but due to Eid celebrations happening on the same day the program got delayed and commenced at 11:30 am. The programme commenced with the singing of the “Saraswati Vandana” by the students of Raj Convent and followed by the welcome of the distinguished participants. An introductory speech on the mission and vision of the NMCG-WII initiative was given by Shri. P.C. Tyagi (Scientist-G, WII). This was followed by speeches delivered by Shri Bhushan Kumar Pandey representative of a local NGO named Sankat Mochan Foundation and by a teacher at Uchch Prathamik Vidyalaya. Shri Praveen Kumar Rao, Chief Conservator of Forests, Allahabad, Shri Ashok Dixit, Conservator of Forest, Varanasi and Shri Manoj Sonkar, Divisional Forest Officer, Kashi, also spoke about the importance of Ganga and its biodiversity, need for its awareness, threats and the conservation of its biodiversity. The inaugural function was attended by more than 150 people including local public, members of local NGO, media person, school students and forest department staff.



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*Shri P.C. Tyagi (Scientist- G, WII)
delivering the inaugural speech*

Shri Praveen Kumar Rao (Chief Conservator of Forest, Allahabad) informed the gathering about the importance of the Clean Ganga Mission and highlighted the role of community participation for the successful implementation of the programme. He also discussed about the activities conducted by the Varanasi Forest Division in this regard.



*Shri Praveen Kumar Rao (CCF,
Allahabad) delivering speech at the
inaugural of Namami Gange
Programme in Sarnath*



Importance of the establishment of Ganga Aqualife Knowledge Management Centre at Sarnath and its role in conservation and rejuvenation of Ganga was detailed by Shri Manoj Kumar Sonkar (Divisional Forest Officer, Kashi).



Shri Manoj Kumar Sonkar (DFO, Kashi) addressing the audience at the inaugural event

Brochures, both in English and Hindi, prepared by the spearhead team at WII, detailing the different activities of the NMGC - WII initiative was released by the dignitaries at the end of the programme and the copies of the same were distributed to the programme attendees.



Release of the brochures- Biodiversity Conservation and Ganga Rejuvenation prepared by Wildlife Institute of India, Dehradun



Awareness about turtles and their conservation

After the NMCG programme launch, Dr. R. Suresh Kumar (Scientist– D, WII) and Mr. Narendra Mohan Katara (Research Scholar, WII) conducted an awareness activity for the school students who attended the event. They were taken around the turtle breeding facility and were informed about freshwater turtles. The students were extremely enthusiastic and asked number of questions about turtles and tortoises. They were given a chance to touch the turtles in order to understand the difference between hard-shelled and soft-shell turtles. Dr. R. Suresh Kumar informed the students about the decline in the population of turtles in the Ganga due to poaching for illegal trade, and populations being impacted due to pollution and loss of nesting beach habitat. He also told them about the important role played by turtles in keeping the Ganga clean.



GLIMPSES OF THE INTERACTIVE SESSION



Survey of the Turtle Sanctuary and interaction with local fishermen community

The Sarnath Turtle Sanctuary is located in the Varanasi District (25°44'58.25"N, 83°17'21.24"E of Uttar Pradesh). The protected area is a 7 km stretch of Ganga River flowing through Varanasi city from Ramnagar Fort to Malviya Rail/Road Bridge. The Sanctuary was declared to ensure the survival of turtles released into the Ganga River in Varanasi. The large sandy beach, an average 500 meter in width, is a potential nesting site for many ground nesting birds and turtles found in the Sanctuary. Facing the sandy beach are the ghats where pilgrims offer prayers to the Ganga.

On 8th July 2016, at 7:00 am, a survey of the turtle sanctuary was conducted. No turtles could be seen during the visit and the local fishermen informed that there were very few turtles in the area now. Further, they stated that no nesting by turtles was recorded in the sandy beach in recent times. A number of boats carrying pilgrims were observed, which may be a source of disturbance to turtles. It was learnt from the local fisherman that, in the past, turtles and dolphins were a very common sight, but now, turtles are rarely seen and dolphins have disappeared from the Sanctuary area.



Image of the Sarnath Turtle Sanctuary showing the large sandy beach (earth.google.com)

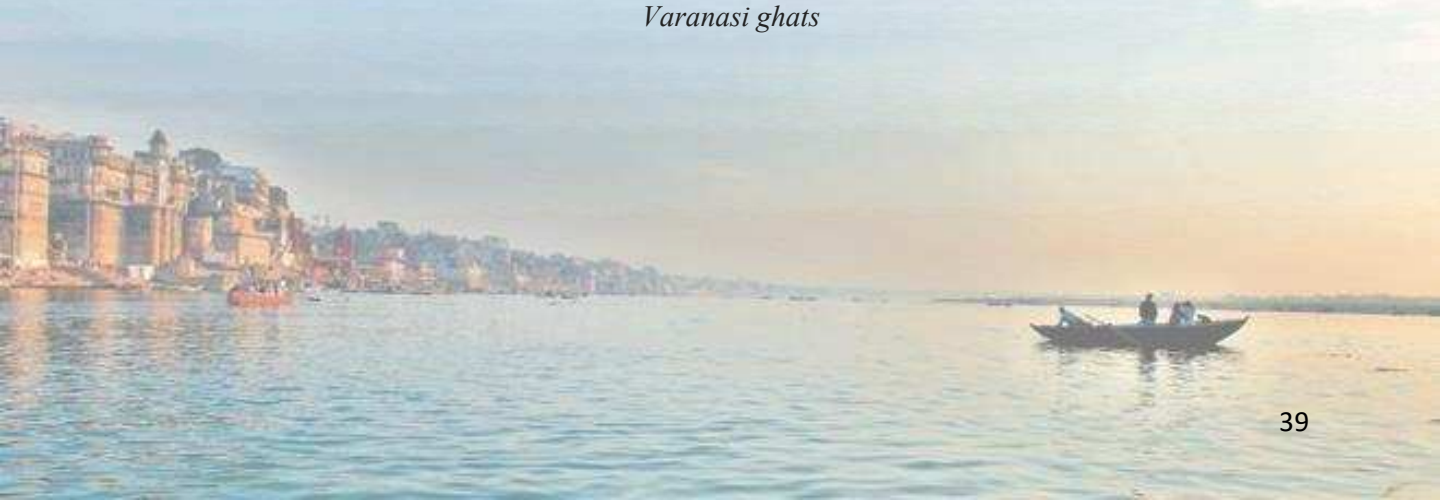




Interaction with local fisherman during the survey of the turtle sanctuary



*Large patches of water hyacinth (*Eichhornia crassipes*) was observed along the Varanasi ghats*



खुलेगा डाल्फिन संरक्षण केंद्र

◆ कछुआ संग गंगा के अन्य जीव-जंतुओं का भी होगा संरक्षण

वाराणसी : प्रकृति प्रेमी यह जानकर सुकून महसूस करेंगे कि गंगा डाल्फिन के संरक्षण व संवर्धन की दिशा में कदम बढ़ चला है। नमामि गंगे मिशन के तहत गंगा डाल्फिन के संरक्षण व संवर्धन की व्यापक रूपरेखा बनाई गई है। खास यह कि इसके लिए बनारस को प्राथमिकता दी गई है। यहीं पर डाल्फिन संरक्षण व संवर्धन केंद्र खोला जाएगा।

नमामि गंगे मिशन के तकनीकी परामर्शदाता अवध नरेश गुप्ता ने बताया कि मिशन के तहत सिर्फ गंगा

निर्मलीकरण पर ही नहीं जोर है बल्कि गंगा में रहने वाले जलीय जीव-जंतुओं के संरक्षण व संवर्धन पर भी बल दिया जा रहा है ताकि गंगा के प्राकृतिक स्वरूप को बरकरार रखा जा सके। बताया कि गंगा डाल्फिन विलुप्त हो रही प्रजातियों में एक है।

इसके संरक्षण के लिए बीते वर्ष वन विभाग के साथ सर्वे हुआ था। रिपोर्ट के अनुसार गंगा में बढ़ रहे प्रदूषण से इनकी संख्या लगातार घट रही है। इसे देखते हुए इस जलीय जीव पर विशेष फोकस किया जा रहा है। इसके अलावा गंगा में पाए जाने वाले कटहवा कछुआ, विभिन्न प्रजाति की मछलियां आदि भी संरक्षित व संवर्धित होंगी।

गंगा निर्मलीकरण के लिए जलीय जीव संरक्षण जरूरी

वाराणसी : कछुआ गंगा को निर्मल करने में सहायक तो है ही, कई अन्य जीव भी स्वच्छता का कार्य करते हैं। इस कारण जलीय जीवों का संरक्षण व संवर्धन कर ही गंगा को निर्मल किया जा सकता है। सारनाथ स्थित कछुआ पुनर्वास केंद्र में गुरुवार को प्रधानमंत्री की महत्वाकांक्षी योजना नमामि गंगे के तहत हुई गोष्ठी में मुख्य अतिथि भारतीय वन्य जीव संस्था देहरादून के प्रवीनचंद्र त्यागी ने कही। मुख्य वन संरक्षक प्रवीन कुमार राव, वन संरक्षक अशोक दीक्षित, प्रभागीय वनाधिकारी मनोज कुमार, निशिकांत सोनकर समेत कई विद्यालयों के बच्चे शामिल थे।

गंगा की सफाई में कछुआ खास

सारनाथ। गंगा निर्मलीकरण अभियान में कछुआ महत्वपूर्ण भूमिका अदा करते हैं। इसलिए इन जलीय जीवों का संरक्षण करने के साथ उनका संवर्धन जरूरी है।

ये बातें मुख्य अतिथि भारतीय वन्यजीव संस्थान देहरादून के प्रवीन चंद्र त्यागी ने गुरुवार को बरईपुर स्थित

कछुआ पुनर्वास केंद्र में प्रधानमंत्री की महत्वाकांक्षी योजना नमो नमामि गंगे के तहत 'गंगा निर्मलीकरण जागरूकता' पर हुई गोष्ठी में कही। इस अवसर पर वन संरक्षक अशोक दीक्षित, डीएफओ मूलचंद्र पटेल, मनोज कुमार, निशिकांत सोनकर आदि थे।



Bhagalpur



INAUGURATION OF GANGA AQUALIFE KNOWLEDGE MANAGEMENT CENTRE BHAGALPUR, BIHAR



With the mega launch of the projects under the *Namami Gange* Programme in Haridwar on 7th July, 2016, inauguration of the Ganga Aqualife Knowledge and Management Centre at Bhagalpur was also carried out. The inauguration was attended by the guest of honour Shri S.K. Sinha (Conservator of Forest, Bhagalpur) Shri. S.K Sinha (Divisional Forest Officer, Bhagalpur), Prof. Sunil Choudhary and Prof. A.K. Choudhary (Scientists from Bhagalpur University), Subedar Subhash Chandra Bind (Commandant, Territorial Army, Kumaon Regiment), Dr. V.P. Uniyal (Scientist- F, WII) and Mr. Surya Prasad Sharma (Research Scholar, WII).

Launch of the Namami Gange project

The event started with the lighting of the lamp by the guest of honour Shri S.K. Singh (CF Bhagalpur), Shri. S.K. Sinha (DFO, Bhagalpur), Prof. Sunil Choudhary and Prof. A.K. Choudhary (Scientists from Bhagalpur University), Subedar Subhash Chandra, Commandant, Territorial Army (Kumaon Regiment). Dr. V.P. Uniyal (Scientist- F, WII) started the programme with an introductory speech on the mission and vision of the NMCG-WII initiative. The inaugural function was attended by more than 50 persons including officers of Territorial Army, local people, media person and staff from the forest department.



Lighting of the lamp ceremony by all the dignitaries to embark the start of the project under Namami Gange programme

Prof. Sunil Choudhary and Prof. A.K. Choudhary (Bhagalpur University) spoke about the ecological aspect, highlighting the importance of the biodiversity of Ganga and the significance of indicator species like dolphins, turtles etc. in maintaining the health of the ecosystem. They also mentioned the importance of phytoplankton as an indicator of aquatic ecosystem.





Prof. Sunil Choudhary and Prof. A. K. Choudhary (Bhagalpur University) addressing the audience with importance of biodiversity conservation

Subedar Subhash Chandra Bind, Commandant, Territorial Army (Kumaon Regiment) addressed the gathering and briefed about the role of Territorial Army in NMCG.



Subedar Subhash Chandra Bind, Commandant, Territorial Army (Kumaon Regiment) addressing the audience



Importance of the establishment of the Ganga Aqualife Knowledge Management Centre at Bhagalpur and its role in the conservation and rejuvenation of Ganga was detailed by Shri S.K. Sinha (DFO, Bhagalpur).



Shri S.K. Sinha (DFO, Bhagalpur) addressing the gathering about the importance and need of conservation of Ganga

Shri S.K. Singh (Conservator of Forest, Bhagalpur) delivered the inaugural address and highlighted the activities conducted by the Bhagalpur Forest Division and their approach and the role of the community for the successful execution of the projects under *Namami Gange* programme.



Shri S.K. Singh (CF, Bhagalpur) addressing the gathering with the activities by Bhagalpur Forest Division in this initiative

The programme ended with the vote of thanks by Dr. V.P. Uniyal and sapling plantation at “Rajkiyea Sundarwati Kanya Madhya Vidyalaya”, Bhagalpur.





*Vote of Thanks by Dr. V.P. Uniyal
(Scientist- F, WII)*

TREE PLANTATION



*Plantation by all the dignitaries to embark
the start of the project under Namami Gange
and the Ganga Aqualife Knowledge
Management Centre in Bhagalpur*

LIST OF PARTICIPANTS

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36.	Bablu Kisku D.F.O. Office Bhojpur.			
37.	Pratik Singh Agrestha			
38.	चन्द्रिका सिंह चौधरी			
39.	Dr. Ajay K. Choudhary	choudharyajay@gmail.com	9470054344	
40.	Dr. Sunil Choudhary	sunilchoudhary@gmail.com	9431875861	
41.	S.K. Sinha, IFS - CF Bhojpur			
42.	S.K. Sinha IFS - CF Bhojpur			
43.	Sukesh Kumar - Army Task Force.			
44.	Dhananjay Kumar			

GLIMPSES OF THE EVENT



सूबे में भागलपुर समेत चार जिलों में 'नमामि गंगे' का शुभारंभ आज

जागरण टीम, भागलपुर/रघटना : सूबे के चार शहरों में एक साथ तीन केंद्रीय मंत्री गंगा को अविरल और निर्मल बनाने के लिए प्रधानमंत्री नरेंद्र मोदी की महत्वाकांक्षी योजना 'नमामि गंगे' का गुरुवार को शुभारंभ करेंगे।

केंद्रीय भोपा भायले के मंत्री रमविलस पासवान वैशाली जयले के हाजीपुर, कोशल विकास मंत्री राजीव प्रताप शुक्ल सोनपुर सिंहराट जबकि केंद्रीय पेयजल, स्वच्छता राज्य मंत्री रामकुमार यादव बक्सर के जाय बाबा घाट पर योजना का शिलान्यास करे। नवकि भांगलपुर मे इसकी शुरुआत भारत सरकार के प्रहरीकृत प्रतिनिधि भांगलपुर जय जीव संस्थान देहरादून के वैज्ञानिक डॉ. सीपी उन्नायल कोर। उन्होंने बताया कि गंगा की प्राकृतिक बनाएट व सुंदरता को कायम रखने के लिए हाथ नैलेस्ट देर खोला जाएगा। इसके लिए बज विभाग को जोडा जायगा।

उल्लेखनीय है कि पांच राज्यों के 22 शहरों में एक साथ केंद्र सरकार की इस महत्वाकांक्षी योजना की शुरुआत हो रही है। ■ शेष पृष्ठ 19 पर

♦ तीन केंद्रीय मंत्री करेंगे शुभारंभ, पांच राज्यों के 22 शहरों में होगा आयोजन

♦ उत्तराखंड, उत्तर प्रदेश, बिहार, झारखंड : बंगाल में एक साथ शुरू होगा स्वच्छता अभियान

नमामि गंगे के चार चरण

नमामि गणे परियोजना का पूरा रोडमप तैयार हो चुका है जो चार वर्णों में बंटा है। पहला चरण गंगोत्री से हरिद्वार तक है जो सबसे कम प्रदूषित क्षेत्र है। दूसरा चरण हरिद्वार से काशपुर तक है जो सर्वाधिक प्रदूषित क्षेत्र है। तीसरा चरण कानपुर से इलाहाबाद तक है जहां गंगा में शहर की कचरा बहुत अधिक गिरता है और तीसरी की ओर आनेवाली व्यवस्था नहीं है। चौथा चरण इलाहाबाद से बंगाल की खाड़ी तक है जहां पर सिस्ट की भांज बहुत बढ़ जाती है और चार का प्रवाह कम होने से प्रदूषण और भी बढ़ जाता है।



गंगा को निर्मल रखने के लिए खुला नॉलेज सेंटर

नमामि गंगे परियोजना की
भागलपुर में हुई शुरुआत

देश में पांच जगहों पर
छोले गए केंद्र

गंगा को स्पर्श और निर्मल रखने की दिशा में प्रयास शुरू हो गए हैं। जब विभाग का मानना है कि वायु सफाई सभी संभव हो सकेगी, जब गंगा में डूबे हुए कागज निकाला जा रहा है और नदी के किनारे वा किन्हीं अन्य जगहों पर जलपत्र जैसी का। लोगों में इन चीजों के प्रति प्रेम जागृत जाएगा। इससे लिए मुख्यमंत्री के मंत्रालय विभाग औरकाना कारखानों में गंधर्व मंत्र परीक्षण की गुरुवात की गई। बिहार में एकमात्र जलपत्र से

यह एक बहुत ही महत्वपूर्ण और रोचक किताब है। इसमें अनेक नए-नए तथ्यों का उल्लेख है। इस किताब को पढ़ने के बाद आपको बहुत ही रोचक और मजेदार जानकारी मिलेगी। इस किताब को पढ़ने के बाद आपको बहुत ही रोचक और मजेदार जानकारी मिलेगी।

लोगों को बच्य एवं जलीय जीवों की जानकारी मिलेगी और उन्हें इन जीवों की उचित जगह तक निम्न जायाया। सेटर में सेलों को गंध व फलबन्धन संबंधी जानकारी देने के लिए डेहान्टन के घाबल लक्षण सेटरघुल और इंडिया के दो खस सियर लेगे।

गंगा को निर्मल रखने के लिए खुला नॉलेज सेंटर

नमामि गंगे परियोजना की
भागलपुर में हुई शुरुआत

देश में पाँच जगहों पर
छोले गए केंद्र

गंगा को स्पर्श और निर्मल रखने की दिशा में प्रयास शुरू हुए हैं। जब विभाजक का मानना है कि यह सब तभी संभव हो सकेगा, जब गंगा में दूधियाँ का मिश्रण न हो और न ही काल्पुष या किसी अन्य पदार्थ जलध्वज जैसी का। लोगों में इन चीजों के प्रति प्रेम जगना जरूरी है। इसके लिए मुख्यतः दो सुपरकंप्यूटिंग डीपएफएड का उपयोग में लाया जा रहा है। गंगा की शुद्धता की गंभीर परीक्षण की शुरूआत की गई। विश्व में एकमात्र जीवित सेर

यह प्रमाण है कि इन्टरनेट के वैश्विकता की, सीपीयू प्रविष्टि के साथ विश्व बैंकिंग सेंटर ने टीवी व इन्टरनेट के माध्यम से इस इलाके की जैव विविधताओं के बारे में बताया जाएगा। स्वतः ही पृथ्वी को विश्व बनाएगा। दिल्ली की पुरी जनसंख्या बैंकिंग सेंटर में ही आएगी। इससे जहाँ लोग को स्वस्थ रखने में जनसंख्या वृद्धि के संश्लेषण में सफल मिलेगी। उन्होंने बताया कि वेब में पाँच खानों पर बैंकिंग सेंटर चलेगा जो होंगे।

लोहो को बच्य एव बलियो जीवों की जानकारी मिलेगी और उन्हें इन जीवों की प्रतिक्रिया मिलेगी जबकि सैटर्न में लोहो को गंध व फसलबारी संबंधी जानकारी देते हैं जिससे देहान्तु व चालाक लवक इस्तेमाल और इंधन के दो लाभ मिलते रहेंगे।

प्रभात खबर

नमामि गंगे योजना का शुभारंभ

भागलपुर में बनेगा जैव विविधता संरक्षण केंद्र

1990-1991



1994-95

[illegible][illegible]

मैकमद नई दिल्ली : मेघराजिनी जल संयंत्र
अधिकार और कबिले करने के लिए संघ सरकार
मुद्रा का नया रुपये में अपने मालिकों को
कार्यवाही मालिकों के नए रुपये का 22
परिवर्तन के लिए मुद्रा का नया रुपये। 1975
1970 के लिए नए रुपये हैं। नए रुपये के
संयंत्र करने के लिए संयंत्र के लिए नए रुपये
और नए रुपये का नया रुपये। 1975

* औद्योगिक, शहरी और ग्रामीण क्षेत्रों में नदी में न जाए, प्रदूषण हो

* मंगल की निर्मलता बनाए रखने के लिए जलवायु को आसानी से नियंत्रित करें।

भागलपुर, बक्सर, हाजीपुर
त सोनपुर में भी अभियान

[illegible]

ਸੰਗਰਾਮ

ਦੇਸ਼ੀ ਪ੍ਰਭੂ ਤੇ ਸਾ...



ਟੈਲੀ ਪ੍ਰਸੰ ੭ ਪਾ



Namami Gange: Slew of schemes to develop ghats, riverfronts

CONCERTED EFFORT Union ministers Ram Kripal Yadav, Ram Vilas Paswan and Rajiv Pratap Rudy launch schemes at Buxar, Hajipur and Sonapur

Prasanth Rajan & Rajesh K Thakur
@prasadrajanandrajeshk

BUXAR/SONEPUR: As part of a nationwide move to give a boost to the ambitious Namami Gange project, several schemes were launched in Buxar, Hajipur and Sonapur in Bihar on Thursday.

The schemes are related to development of ghats along the Ganga and its tributaries.

At Buxar, Union minister of state for drinking water and sanitation Ram Kripal Yadav and BJP MP Ashwini Kumar Chaudhary at Ramnagar Ghat launched a ₹50 crore scheme for renovation of seven ghats in the town.

Under the scheme, the ghats will be expanded and have better stairs, lighting facilities and rooms to change clothes after bathing, besides, and improved drainage, toilets and other facilities will also be provided.

MAJOR FACILITY IN PIPELINE

On Thursday, Union minister for food and public distribution Ram Vilas Paswan launched a scheme for development/renovation of ghats at Hajipur. The

SCHEMES AT A GLANCE

BUXAR

Ghats to be renovated/developed

- Ramnagar Ghat, Nath Baba Ghat, Sharanpur Ghat (located at Charhara), Rani Ghat, Chhat Ghat, Gola Ghat and Sati Ghat.

- Project cost: ₹50 crore

HAJIPUR/SONEPUR

- 2.3 km-long riverfronts to be renovated/developed

- 10 ghats in Hajipur and 7 in Sonapur to get facelift

- Project cost: ₹56 crore (approx)

FACILITIES ON THE CARDS

- Drinking water, food stalls, park for jogging, playgrounds, high mast lights, eco-friendly toilets, improved drainage, upgraded communications and safety during special occasions



■ Ramnagar Ghat in Buxar

project worth ₹23.62 crore will cover 10 ghats.

"On Thursday, when according to Hindu mythology Lord Vishnu descended to earth as an elephant from a crocodile, stone structures over the bath waters on special occasions every year. This ghat will be developed as a model one for other ghats with a lot of facilities for people," Paswan

said, adding that the riverfront of the Hajipur side would resemble a "mini-mountain range".

The facilities on cards include drinking water, food stalls, park for jogging, playgrounds, high mast lights, eco-friendly toilets and extra safety on special occasions.

On the Sonapur side, Union minister for skill development Rajiv

Pratap Rudy launched schemes worth ₹20 crore in the district.

A slew of quality development schemes under the Namami Gange project will be carried out here. High mast lights, covered pavements on seven Ganga ghats, amenities for visitors and eco-friendly toilets will be provided among the facilities."

KNOWLEDGE CENTRE

BHAGALPUR: The process for establishment of a knowledge centre here by the Wildlife Institute of India (WII), Dehradun, under the Biodiversity Conservation and Ganga Rejuvenation Project of the government of India was formally initiated on Thursday.

The centre, which will come up at Sonpur Van - a protected area of the forest department - is expected to play an important role in building scientific knowledge base on aquatic wildlife of the Ganga in accordance with objectives of the National Mission for Clean Ganga (NMCG).

The centre will also disseminate knowledge and information on the Ganga to people as also members of the scientific community.

SP Unkel, WII scientist, who was here to initiate the process for establishment of the centre here, said:

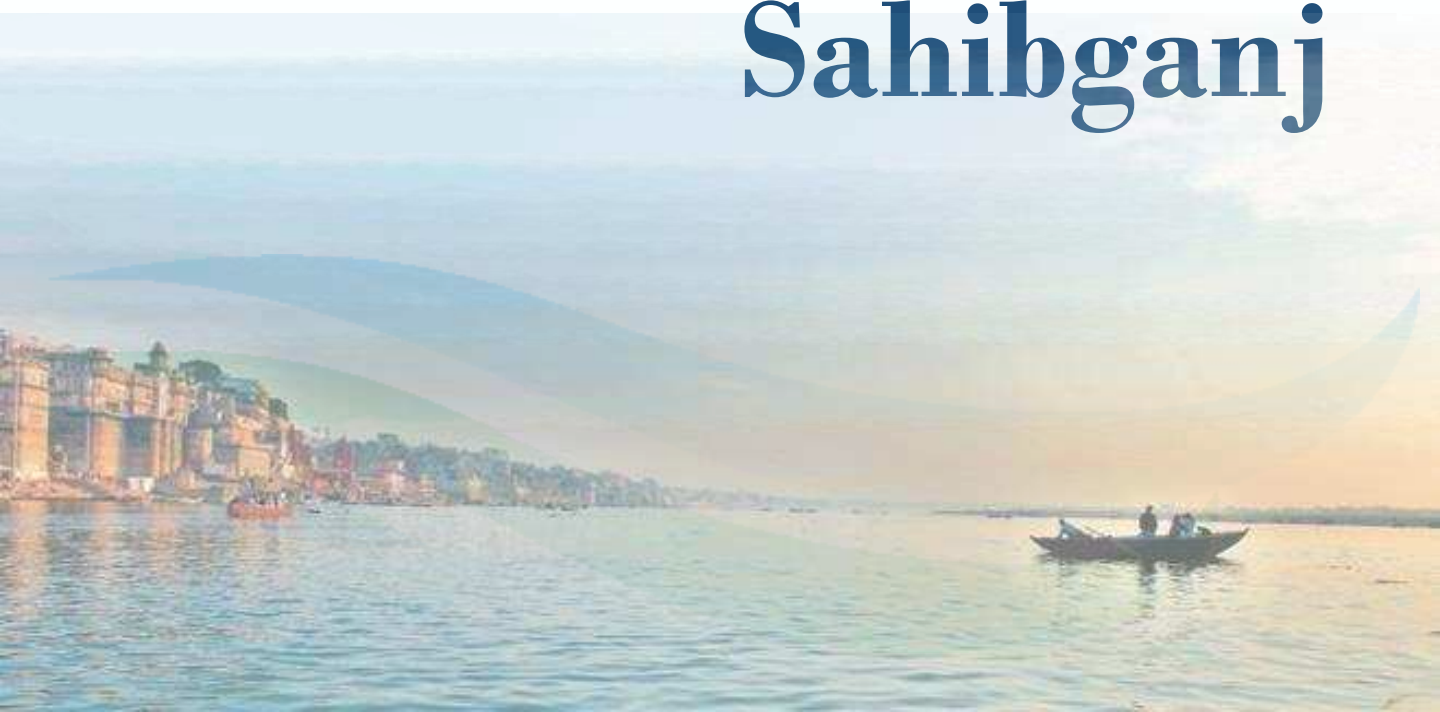
"Haridwar, Narnaul, Varanasi and Sonapatna in Jharkhand are the other four places where establishment of similar knowledge centres has been planned."

ANIL K SHARMA





Sahibganj



INAUGURATION OF GANGA AQUALIFE KNOWLEDGE MANAGEMENT CENTRE SAHIBGANJ, JHARKHAND



On the auspicious day of 7th July, 2016, when projects under the *Namami Gange* programme were being launched in Haridwar in the presence of Shri Harish Rawat, Honourable Chief Minister of Uttarakhand, Sushri Uma Bharti, Honourable Minister of Water Resources, River Development and Ganga Rejuvenation, Gol, Shri Nitin Gadkari, Honourable Minister of Road Transport, Highways and Shipping of India, Gol, Shri Mahesh Sharma, Honourable Minister of Tourism and Culture, Gol, and other dignitaries, the Ganga Aqualife Knowledge Management Centre was inaugurated at Sahibganj in Jharkhand state simultaneously. Inauguration ceremony was organized jointly by the Wildlife Institute of India, Dehradun, and the Jharkhand Forest Department. Shri K.K. Tiwari (D.F.O, I.F.S, Jharkhand Forest Department), Professor Dr. Ranjit Kumar Singh (Sahibganj University), Dr. Parth Talukdar and Dr. Pratik Hazara (Scientists from Calcutta University), Captain. Koushal Kumar (Ganga Eco task force head) and Shri Anantkumar Ojha (MLA, Shahibganj) were invited as special guests to grace the occasion. From WII, Dr. J.A. Johnson (Scientist- D, WII) accompanied by Mr. Shaldavya Kuruganti (Research Scholar, WII) were present.



Inauguration function of Ganga Aqualife Knowledge and Monitoring Centre at Ganga Ghat, Sahibganj, Jharkhand





Shri K.K. Tiwari (D.F.O, I.F.S, Jharkhand Forest Department), Dr. Parth Talukdar and Dr. Pratik Hazara (Scientists from Calcutta University), Captain. Koushal Kumar (Ganga Eco task force head) and Shri Anantkumar Ojha (MLA, Shahibganj), Dr. J.A. Johnson (Scientist- D, WII) who attended the inauguration programme in Sahibganj, Jharkhand

The inaugural ceremony started at 11:05 am by the lighting of the ceremonial lamp and the planting of tree saplings. About 50 people attended the event, comprising of forest department staff, press, Ganga task force, local communities and school children. Professor Dr. Ranjit Kumar Singh gave the introductory speech and elaborated on the six objectives to be fulfilled by WII under NMCG and the role of the Forest Department.



Lighting of the lamp by dignitaries at the inauguration



Professor Dr. Ranjit Kumar Singh, Sahibganj University delivering special speech during the inaugural ceremony

Dr. J.A. Johnson (Scientist- D, WII) spoke about the Ganga Aqualife Knowledge Management Centre and its role and the ecology of the Ganges. Shri K.K. Tiwari (D.F.O, Sahibganj) spoke about the support from the forest department and the cooperation with WII for achieving success in this initiative. He also expressed his happiness and support for having the Ganga Aqualife Knowledge Management Centre in Sahibganj. Shri Anant Kumar Ojha (MLA, Sahibganj) talked about the importance of bringing back Ganga to its original splendour, its aesthetic value, spiritual glamour, and its biodiversity protection. He also added that the Central Government and the State Government are committed to the NMCG.





Commemorative photo with all the guests and participants

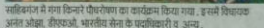
Dr. Parth Talukdar and Dr. Pratik Hazara (Scientists, Calcutta University) included an interesting angle of studying fossils in this ecologically and evolutionarily significant site. The programme ended with the vote of thanks by Mr. Shaldavya Kuruganti (Researcher, WII) followed by some refreshments in the light drizzle on the banks of Ganga with a hazy cloud setting. The event was successful and insightful with discussions held with all the guests and participants who attended the inaugural event.



GLIMPSES OF THE EVENT



नोट: मोदी सरकार की मातृकाक्षी
संस्थाएं 'मममि मी' का शुभारंभ
कुम्हार का हुआ। साल राबनी में एक
सूत्र 231 को प्रारम्भ शुभ की गयी।
मुद्रा संग्रहित उपरगच्छ में हुआ,
संग्रहित शुभ की निमित्त मुद्रा की गयी,
उपरा आती की मुद्रा की गयी में इसकी
मुद्रा का हुआ, युग की अक्षरगत रूप
निमित्त बनने के लिए मोदी सरकार
हम मममि मी कायदा के तहत
हम प्रारम्भ शुभ की प्रारम्भ में तहत
की मुद्रा का हुआ के लिए एप्लीकेशन प्रारम्भ
मममि मी कायदा की योजना प्रारम्भ है।
केन्द्रित जल संग्रहित, नित विकास
हम संग्रहित शुभ की मुद्रा प्रारम्भ है
कायदा की प्रारम्भ शुभ की मुद्रा प्रारम्भ है,
उपरा प्रारम्भ शुभ की मुद्रा प्रारम्भ है,
मुद्रा संग्रहित, मुद्रा संग्रहित के प्रारम्भ में



उत्तराखंड, यूपी, बिहार, झारखंड, पश्चिम बंगाल,
हरियाणा और दिल्ली में एक साथ 231 प्रोजेक्ट



नर्मदा मेढी सत्कार की शूलकाकी परिचोजना
 'नर्मदा मेढी' वा पुनारुप आज उत्तराखंड स हु
 है. केटीम मी निमित्त वाकरी और अजु भारती की
 मेरुजुनी में पसारी मुरुजान हु. मल को जलित
 हर निमित्त बनाने के लिए मेढी सत्कार नर्मदा मेढी
 कायिजम के लिए आज देशमर में लिहित नवानी
 पर 231 परिचोजना की मुरुजान की गयी.
 निमित्त मेढी को सत्कार करने के लिए एरसीडी संघर
 स्वाधित करने की योजना शामिल है.

ਪੰਨਾ ੧੦੦ ਤਕ ਦੀ ਵਿਕਰਤ ਅਤੇ ਅੰਤਿਮ ਪੰਨਾ ੧੦੦ ਤਕ ਹੈ।

संवाद साहसिकी, साहित्यिक : एक साहित्यिक एवं सांस्कृतिक परिवर्तन को आमंत्रित करने वाला एक कार्यक्रम है जो देश में साहित्य की ओर बढ़ने को प्रोत्साहित करता है। यह कार्यक्रम देश के विभिन्न भागों में आयोजित होता है। इस कार्यक्रम में विभिन्न विधाओं के लेखकों, कवियों, गायकों, नर्तकों, चित्रकारों, फिल्मकारों, गीतकारों, नाटककारों, पत्रकारों, शिक्षकों, छात्रों, शोधकर्तों, आदि भाग लेते हैं। इस कार्यक्रम में विभिन्न विधाओं के लेखकों, कवियों, गायकों, नर्तकों, चित्रकारों, फिल्मकारों, गीतकारों, नाटककारों, पत्रकारों, शिक्षकों, छात्रों, शोधकर्तों, आदि भाग लेते हैं।

हस्तक्षेप (हस्तक्षेप): अपने ही हाथ का उपयोग के अलावा किसी दूसरे व्यक्ति का उपयोग करके कार्य करने का प्रयोग करने का प्रयोग।

हस्तक्षेप (हस्तक्षेप): अपने ही हाथ का उपयोग के अलावा किसी दूसरे व्यक्ति का उपयोग करके कार्य करने का प्रयोग करने का प्रयोग।



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ANNEXURE 1

LETTER OF SUPPORT FROM UTTARAKHAND FOREST DEPARTMENT

02 Jun 16 17:37 PCCF Wildlife Dehradun 01352644691 p.1 294

कार्यालय प्रमुख वन संरक्षक (वन्यजीव), उत्तराखण्ड
सं. राजपुर, गीता, देहरादून, पिन को- 01305-274258; फोन नं- 0132-2745281 ईमेल-cwibru@yahoo.co.in

पत्र संख्या 3540/32-1/देहरादून दिनांक 02 जून 2016

सेवा में,
Dr. V.B. Mathur
Director,
Wildlife Institute of India
Chandrabani, Dehradun

विषय:- Project "Biodiversity Conservation and Ganga Rejuvenation" . under
National Mission for Clean Ganga, Government of India-reg

संदर्भ: आपकी पत्र संख्या-WII/SAH-NMCG/2015 दिनांक 25.05.2016

महोदय,
उपरोक्त संदर्भित पत्र के प्रति मेरे जवाबत कराना है कि विषयगत प्रकरण जो
गंगा पुनर्जीवन से सम्बन्धित है पर वन विभाग उत्तराखण्ड द्वारा पूर्ण सहयोग प्रदान किया
ज रहेगा।

मैं वंदीय,
(डी०वी०एस०खाती)
प्रमुख वन संरक्षक (वन्य जीव) /
मुख्य वन्य जीव प्रतिपालक,
उत्तराखण्ड।

SAHUBAN
In file / per
2/1

ANNEXURE 2

LETTER OF SUPPORT FROM UTTAR PRADESH FOREST DEPARTMENT

कार्यालय प्रधान मुख्य वन संरक्षक, वन्य जीव, उत्तर प्रदेश, लखनऊ ।

पत्र संख्या 1252 1252-12(जी) लखनऊ: दिनांक: जुलाई/2, 2016

सेवा में,

निदेशक,
भारतीय वन्य जीव संस्थान,
पो 0 बा 0 18, चन्द्रबनी,
देहरादून-248001

विषय:- Operationalization of the Project "Biodiversity Conservation and Ganga Rejuvenation", under National Mission for clean Ganga (NMCG), Govt. of India, Establishment of Ganga Biodiversity Knowledge Centre at Varanasi Turtle Breeding Center and NPCIL Narora- reg.

संदर्भ:- आपका पत्रांक WII/SAH-NMCG/2015 दिनांक 03-06-2016

महोदय,

उपरोक्त विषयक सन्दर्भित पत्र के क्रम में अवगत कराना है कि विधायकित प्रकरण में वाराणसी स्थित कछुआ प्रजनन केन्द्र के संचालन में वन विभाग का सहयोग करने की अनुमति इस शर्त के साथ प्रदान की जाती है कि कछुआ प्रजनन केन्द्र, वन विभाग के ही स्वामित्व में रहेगा एवं विभाग के कर्मचारी उस पर पूर्ववत कार्य करते रहेंगे तथा भारतीय वन्य जीव संस्थान, देहरादून द्वारा विभागीय कार्यों में कोई अवरोध उत्पन्न नहीं किया जायेगा। कछुआ वन्य जीव बिहार पर होने वाले समस्त व्यय की जाने वाली धनराशि आपको वन विभाग को उपलब्ध कराना होगा तथा समस्त परिसम्पत्तियां वन विभाग की ही रहेंगी। कृपया उपरोक्तानुसार शर्तों का अनुपालन सुनिश्चित किया जाये।

भवदीय
(उमेश) 12/7/16

प्रधान मुख्य वन संरक्षक, वन्य जीव,
उत्तर प्रदेश, लखनऊ।

पत्र संख्या 1252 /उक्तदिनांकित

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. मुख्य वन संरक्षक, वन्य जीव, पश्चिमी क्षेत्र, कानपुर को उनके पत्रांक 4128/16 पी0सी0 दिनांक 30-06-2016 के क्रम में।
2. प्रभागीय वनाधिकारी, काशी वन्य जीव प्रभाग, रामनगर-वाराणसी।

(उमेश)

प्रधान मुख्य वन संरक्षक, वन्य जीव,
उत्तर प्रदेश, लखनऊ।

ANNEXURE 3

MOU- NPCIL, NARORA, UTTAR PRADESH

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is entered into BETWEEN Nuclear Power Corporation of India Limited (NPCIL), a Company incorporated under the Indian Companies Act, 2013 having its registered office at 16th Floor, Centre – I, World Trade Centre, Cuffe Parade, Mumbai – 400005 and the Corporate Office at Nabhikya Urja Bhavan, Anushaktinagar, Mumbai – 400094, hereinafter referred to as NPCIL which expression shall means and includes its successors and permitted assigns of the FIRST PART.

AND

The Wildlife Institute of India was set up by the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India under the act of Parliament in 1982 (hereafter referred to as WII or the SECOND PARTY) which expression shall, unless excluded by or repugnant to the context, be deemed to include its successor, administrators, legal heirs, permitted assigns of SECOND PARTY.

WHEREAS:

NPCIL is a Public Sector Enterprise under the administrative control of the Department of Atomic Energy (DAE), Government of India. NPCIL was incorporated on 17th September 1987 as a Public Limited Company under the Indian Companies Act, 2013, with the objectives of operating Atomic Power Plants and implementing atomic Power Projects for the generation of electricity, in pursuance of the schemes and programmes of Government of India under the Atomic Energy Act, 1962.

NPCIL is responsible for design, construction, operation and maintenance of NPPs in India. With its excellent record of operation of Nuclear Power Plants safety in operation is given utmost priority. "Safety first and production next" is the motto of NPCIL. Dissemination of accurate and authentic information on nuclear power is one of the main objectives of NPCIL. On this aspect, NPCIL conducts various public awareness programmes throughout the country for enhancing and improving the public perceptions on Nuclear Power in the country and to disseminate scientific and authentic information.


07/10/2016
नलिनीश नगाइच / NALINISH NAGAICH
निदेशक (मानव संसाधन) / Director (Human Resources)
एन.पी.सी.आई. लि., / Nuclear Power Corporation of India Ltd.
भारत सरकार का उद्यम / A Govt. of India Enterprise
विक्रम साराभाई भवन, अणुशक्तिनगर, मुंबई-400 094.
Vikram Sarabhai Bhavan, Anushakti Nagar, Mumbai-400 094.


डा. वि.वि. माथुर/Dr. V.B. Mathur
निदेशक/Director
भारतीय वन्यजीव संस्थान
WILDLIFE INSTITUTE OF INDIA
देहरादून/Dehradun

And

The WII has emerged as an eminent centre for training and research in the field of wildlife conservation in South Asia and South East Asia. The Institute was granted autonomous status in 1986. At the apex of the WII governance is the Society, chaired by the Minister of MoEF&CC. The executive arm of the Institute is the Governing Body chaired by the Secretary, MoEF&CC. The mission of the Institute is "To nurture the development of wildlife science and promote its application in conservation, in consonance with the cultural and socio-economic milieu". The mandate of the Institute is to build capacity through training, education and research in the field of wildlife conservation, and provide technical and advisory services to the Central / State Governments / PSU. Since its inception, the WII has been actively engaged in undertaking research on different facets of wildlife science across the country and has generated scientific database on wildlife science. The Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India and the National Mission for Clean Ganga (NMCG) has identified the WII as a knowledge partner and has initiated the project titled "Biodiversity Conservation and Ganga Rejuvenation" in collaboration with WII to restore the dwindling aquatic wildlife of Ganga River. This project aims to prepare a science-based aquatic species restoration plan for Ganga River by involving multiple stakeholders. Under this programme the WII will take up programs/activities related to aquatic wildlife and river conservation in sites along the Ganga River. One of the sites is identified as NAPS, Uttar Pradesh which is the area of interest.

Objective of MoU:

This memorandum of understanding (MOU) is signed between the Wildlife Institute of India, Dehra Dun and Nuclear Power Corporation of India Limited (NPCIL), Mumbai for making collective efforts for enhancing the capacity of the NPCIL in biodiversity conservation through its Environment Stewardship Programme (ESP) programme and support the WII in its mission particularly in the project "Biodiversity Conservation and Ganga Rejuvenation". The main objective of this MoU is to strengthen the capacity of NPCIL for biodiversity conservation under the ESP programmes and fulfill the mandates of the WII for biodiversity conservation. The objectives will be governed under training, research and advisory services which are elaborated below:

Training: The WII will conduct trainings for a select group of members of the NPCIL and other stakeholders on various aspects of biodiversity conservation at the Knowledge Centers. The theme, duration, and target audience of trainings will be decided mutually between NPCIL and WII.


नलिनीश नगाइच / MALINISH MATHUR
निदेशक (मानव संसाधन) / Director (Human Resources)
एन.पी.सी.आई.एल. / Nuclear Power Corporation of India Ltd.
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Vikram Sarabhai Bhavan, Anushakti Nagar, Mumbai-400 094.


डा. वि.वि. माथुर / Dr. V.B. Mathur
निदेशक / Director
भारतीय वन्यजीव संस्थान
WILDLIFE INSTITUTE OF INDIA
देहरादून / Dehradun

The venue for trainings could be a centralized location and the number of trainings will be decided as per requirements.

Research: For the conservation of biodiversity in and around the NPCIL sites the WII will provide expert and technical assistance to NPCIL. WII representatives will do the research and volunteers from Nature Club will join them during the period of research, as required.

Advisory Services: The WII will provide advisory services to NPCIL for enhancement of existing infrastructure, latest necessary equipments, tools and techniques for conservation of biodiversity in and around NPCIL sites. The WII will also provide expert advisory services for preparation of reports, articles, features, and books etc., on environment related issues created as mutually agreed upon.

Establishment of Knowledge Centers: The NPCIL will establish biodiversity Knowledge Centers at its suitable locations with technical support from the WII.

Role, rights and obligations of NPCIL and WII:

This MoU shall form the overarching framework for conservation projects launched jointly by NPCIL and WII. The NPCIL sites / projects will make necessary arrangements for, purchase, installation, construction and maintenance of equipment's / infrastructure, required for conservation activities. Necessary permissions and consents required for the project will be obtained by NPCIL sites / projects. NPCIL sites / projects will fulfill all logistic requirements of the WII team and will provide other necessary support during their visits and field studies like:

- NPCIL sites / projects will provide Economy Class Air Ticket from WII to the nearest Airport / AC II train ticket from WII to nearest station.
- NPCIL sites / projects will provide Transport services to-and-fro from the nearest airport / railway station and during each leg of the survey / research / training to the visiting experts of WII or any other agency WII co-opts with the consent of NPCIL.
- NPCIL sites / projects will provide free lodging and boarding at the guesthouses, to the visiting experts of WII, or any other agency WII co-opts with the prior consent of NPCIL.
- NPCIL sites / projects will provide assistance as deemed necessary, at NPCIL stations / projects, towards fulfillment of the objectives of the project.


नलिनीका नगाडकर / NALINIKHA NAGARKAR
निदेशक (मानव संसाधन) / Director (Human Resources)
एन.पी.सी.आई. लि. / NPCIL Private Corporation of India Ltd.
भारत सरकार (एन.पी.सी.आई. लि.) A Govt. of India Enterprise
विक्रम साठभाई भवन, अणुसंशोधन नगर, मुंबई-400 084.
Vikram Sathebhavi Bhavan, Anushakti Nagar, Mumbai-400 084.


डॉ. वि.बि. माथुर/Dr. V.B. Mathur
निदेशक/Director
भारतीय वन्यजीव संस्थान
WILDLIFE INSTITUTE OF INDIA
देहरादून/Dehradun

- Respective site / station / project of NPCIL will depute the members of ESP / nature club during the surveys / trainings / research to assist the project.
- NPCIL sites / projects will provide assistance as deemed necessary, at NPCIL stations / projects, towards fulfillment of the objectives of this MoU.
- The WII will provide all technical and intellectual support and assist NPCIL in establishing and upgrading of the proposed Knowledge Centers where applicable. The Knowledge Centers will be for scientific and educational purposes and will organize events for ESP members, stakeholders and communities.
- NPCIL will not pay for the services of WII.
- The relationship between WII and NPCIL shall be of independent nature. This MoU does not create any agency, company, partnership, joint venture or any other business relationship between WII and NPCIL.
- In no event shall any party be liable to any other for any damages without limitation including, direct, speculative, indirect, incidental, special or consequential damages with respect to this MoU.
- No modification, alteration or insertion shall be made to this MoU unless agreed in writing by both WII and NPCIL.
- The NPCIL and the WII both will attempt to complete several projects on as and when required basis during the MoU contract period. In case of any disagreement, NPCIL and WII will try to resolve & settle the issues mutually.
- Necessary permissions for site visit, equipments etc., for the WII and co-opted team will be taken by respective sites / projects of NPCIL for survey / study / research.
- WII members or any other agency members WII co-opts shall follow the rules and regulations of NPCIL including safety and security aspects, as intimated time to time.
- NPCIL will not be responsible for the loss / damage / any abnormality found during the execution of the work. If any mishaps happen during the execution of work by WII at NPCIL premises, NPCIL will not be responsible.
- This MoU shall be interpreted and construed in accordance with Indian Laws.
- The MoU is initially for three years reckoned from the date of signing.

Nalinish Nagaich
 07/07/2016
नलिनीश नगाइच / NALINISH NAGAICH
 निदेशक (मानव संसाधन) / Director (Human Resources)
 एन.पी.सी.आई. लि., / N.P.C.I.L. Power Corporation of India Ltd.
 भारत सरकार का उद्यम / A Govt. of India Enterprise
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 Vikram Sarabhai Bhavan, Anushakti Nagar, Mumbai-400 094.

V.B. Mathur
डा. वि.वि. माथुर/Dr. V.B. Mathur
 निदेशक/Director
 भारतीय वन्यजीव संस्थान
 WILDLIFE INSTITUTE OF INDIA
 देहरादून/Dehradun

Support for the WII project Ganga Rejuvenation:

- The Narora Atomic Power Station (NAPS) under NPCIL, will actively collaborate with WII for conducting research and conservation in the vicinity of NAPS site under our ESP. One such project "Biodiversity Conservation and Ganga Rejuvenation" at NAPS has been initiated by WII under the National Mission for Clean Ganga (NMCG).
- When required, the NAPS will make necessary arrangements for, purchase, installation, construction and maintenance of equipment's / infrastructures, required for up gradation of the turtle conservation center in consultation with WII.
- The NAPS will provide adequate space for the establishment of Knowledge Centre.
- Respective site / station / project of NPCIL will depute the members of ESP / nature club during the surveys / trainings / research to assist the project.
- For this project related work the visiting experts of WII or any other agency WII co-opts with the consent of NAPS, will make their arrangements to reach NAPS. NAPS will provide free local transport, lodging and boarding at the guesthouses of NAPS, to the visiting experts of WII, or any other agency WII co-opts with the prior consent of NAPS.
- Similar projects could be executed at other Nuclear Power Plant sites based on mutual consent of WII and NPCIL.
- WII and NAPS will identify focal points in their respective organizations for smooth functioning of work.

Validity and Termination:

- Three years from the date of signing of the MoU and extendable after mutual consent
- Initial MoU Period: 2016-2019.
- Either of this party to this MoU shall be free to terminate this MoU based on mutual discussions by giving a months' notice in writing to other. However, the pending issues shall have to be settled in accordance with this MoU.

Resolution and Settlement of Disputes:

- The parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this MoU or its interpretation of any of the terms and conditions or part of the terms and conditions of the


नलिनीश नगाइच / NALINISH NAGAICH
निदेशक (मानव संसाधन) / Director (Human Resources)
एन.पी.सी.आई.एल. / NPCIL Power Corporation of India Ltd.
भारत सरकार का तम / A Govt. of India Enterprise
विद्युत सारभाई भवन, अणुसक्तिनगर, मुंबई-400 094.
Vidya Sarambhai Bhawan, Anusaktinagar, Mumbai-400 094.


डा. वि.वि. माथुर/Dr. V.B. Mathur
निदेशक/Director
भारतीय वन्यजीव संस्थान
WILDLIFE INSTITUTE OF INDIA
देहरादून/Dehradun

MoU by mutual negotiations / discussions, failing which the same shall be settled through Permanent Mechanism of Arbitration as laid down by the Department of Public Enterprises.

- Either party without prior consent of the other party can't assign this MoU to the third party.
- The MoU shall be made in duplicate one copy for each party.
- Modification / alternation or insertion of the clauses shall be made to this MoU with consent of both the parties. Any matter not covered by this MoU shall be mutually settled by the parties.

IN WITNESS WHERE OF, THE PARTIES HERETO SET THEIR RESPECTIVE HANDS ON THIS JULY 07, 2016.

For WII



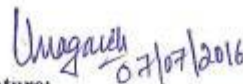
Signature:

Name: VINOD BHATNAGAR MATHUR

डा. वि.वि. माथुर/Dr. V.B. Mathur
निदेशक/Director
भारतीय वन्यजीव संस्थान
WILDLIFE INSTITUTE OF INDIA
देहरादून/Dehradun

WITNESS

For NPCIL

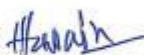


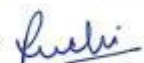
Signature:

Name: नलिनीश नगाइच / NALINISH NAGAICH
निदेशक (मानव संसाधन) / Director (Human Resources)
एन.पी.सी.आई.एल. / Nuclear Power Corporation of India Ltd.
भारत सरकार का उद्यम / A Govt. of India Enterprise
विक्रम साराभाई भवन, अणुसिलनगर, मुंबई-400 094.
Vikram Sarabhai Bhavan, Anushilanagar, Mumbai-400 094.

In the presence of

In the presence of

1. Signature: 
Name: (S.A. HUSSAIN)

2. Signature: 
Name: (RUCHI BADOLA)

1. Signature: 
Name: (R.V.S. SEKHAR)

2. Signature: 
Name: A.K. Jain
7/7/16

ANNEXURE 4

LETTER OF SUPPORT FROM BIHAR FOREST DEPARTMENT

डॉ० डी० के० शुक्ला, काकाबेरी प्रधान मुख्य वन संरक्षक (HoFF), बिहार Dr. D.K.Shukla I.F.S Principal Chief Conservator of Forests(HoFF), Bihar		184 बिहार सरकार पर्यावरण एवं वन विभाग प्रधान मुख्य वन संरक्षक कार्यालय Govt. of Bihar Environment & Forest Department Office of the Principal Chief Conservator of Forests, Bihar
--	---	--

No- 3211 Dated- 2-6-16

To
Dr. V. B. Mathur,
Director,
Wildlife Institute of India,
Post Box No.-18, Chandrabani,
Dehradun-248001

Sub.: Project "Biodiversity Conservation and Ganga Rejuvenation", under National Mission for Clean Ganga, Government of India - reg.

Sir,

Kind reference is invited to your letter no.-WII/SAH-NMCG/2015 dated 27.05.2016 on the subject.

We are happy that WII is undertaking the captioned project under National Mission for Clean Ganga. We assure support and active participation of Department of Environment and Forests, Govt. of Bihar in implementation of the project.

For the establishment of Biodiversity Knowledge Centre along with facilities for rescue and rehabilitation of aquatic wildlife and water birds, it is proposed to have two such centres in Bihar - one at Patna and another at Bhagalpur, given the relative biodiversity richness of the Ganga stretch in Bihar. We have a rescue centre for Adjutant Stork at Bhagalpur which can be augmented for other aquatic species. In the Eco-park at Patna which is a prominent public amenity a suitable parcel would be apportioned for establishment of Knowledge Centre for Aquatic Biodiversity along with rescue and rehabilitation facilities.

The Chief Wildlife Warden, Bihar will take the necessary follow-up action upon further communication from your end.

Yours faithfully

(D.K.Shukla) 2/6/16

D.K. SHUKLA
DIARY NO.: 1085-
DATE: 21/06/2016

2 SA Kulkarni
2 for
Modem
UHF *2/6*

अरण्य भवन, राईदिन रोड, (शहीद पिर अली खाँ पथ) पटना-800014, फोन 0612-2220125
Aranya Bhawan, Riding Road (Pir Ali khan path), Patna-800014, Ph: 0612-2220125
E-mail : pccfbihar@gmail.com

ANNEXURE 5

LETTER OF SUPPORT FROM JHARKHAND FOREST DEPARTMENT

Pradeep Kumar
I.F.S.



PRINCIPAL CHIEF CONSERVATOR OF
FORESTS, WILDLIFE & CHIEF WILDLIFE
WARDEN, JHARKHAND, RANCHI - 834002

Ph. : 0651-2481744 (Off.)
Fax : 0651-2482011 (Off.)
Mob. : 09431140725
E-mail : pccfwjharkhand@gmail.com

Letter No. : 663

Date : 30/5/16

To,

Dr. V. B. Mathur
Director,
Wildlife Institute of India,
Dehradun - 248001

Sub: Project "Biodiversity Conservation and Ganga Rejuvenation", under National
Mission for Clean Ganga, Government of India – reg.

Ref.: Your letter no. – WII/SAH-NMCG/2015 dated – May 25, 2016.

Sir,

With regard to the above mentioned subject & reference I assure you our whole- hearted support in achieving the said mission. As per our talk I would suggest you to organise a meeting on the said subject in Delhi in between 14 to 16 June 2016 or any suitable date at your convenience in which all the Chief Wildlife Wardens of the concerned states may be requested to be present.

Thanking you,

Yours faithfully,

Principal Chief Conservator of Forests, Wildlife &
Chief Wildlife Warden, Jharkhand, Ranchi

DWII OFFICE
DIARY NO. : 1063
DATE: 14/06/2016

2 SA Kulkarni
2 NM CG Rep
14/6/16

P. Prasad
30/05/16
392

ANNEXURE 6

LETTER OF SUPPORT FROM WEST BENGAL FOREST DEPARTMENT

(297)


Govt. of West Bengal
Directorate of Forests
Office of the Principal Chief Conservator of Forests, Wildlife
& Chief Wildlife Warden, West Bengal
Bikash Bhavan, North Block, Third Floor, Saltlake City, Kolkata-700 091.
Tel.No.2334-6900/2358-3208, Fax.91-033-23345946 Mobile: 9830175198
Website - www.wildbengal.com , e-mail-<wbwildlife@gmail.com>

No.: 2687/WL/2M-162/2015 Dated: 27.05.2016

To
Dr. V. B. Mathur,
Director,
Wildlife Institute of India,
Post Box No. 18, Chandrabani,
Dehradun - 248 001,
Uttarakhand.

Sub: Project "Biodiversity Conservation and Ganga Rejuvenation", under National Mission for Clean Ganga, Govt. of India - reg.

Ref: Your memo No. WII/SAH-NMCG/2015, dated 25.05.2016.

Sir,

With reference to the communication quoted above, it is really heartening that a project "Biodiversity Conservation and Ganga Rejuvenation" has been taken up by Wildlife Institute of India to restore the dwindling aquatic wildlife of Ganga river. We assure you all our support in implementation of the project.

Thanking you.

Yours sincerely,

(Pradeep Vyas)
Principal Chief Conservator of Forests, Wildlife
& Chief Wildlife Warden, West Bengal

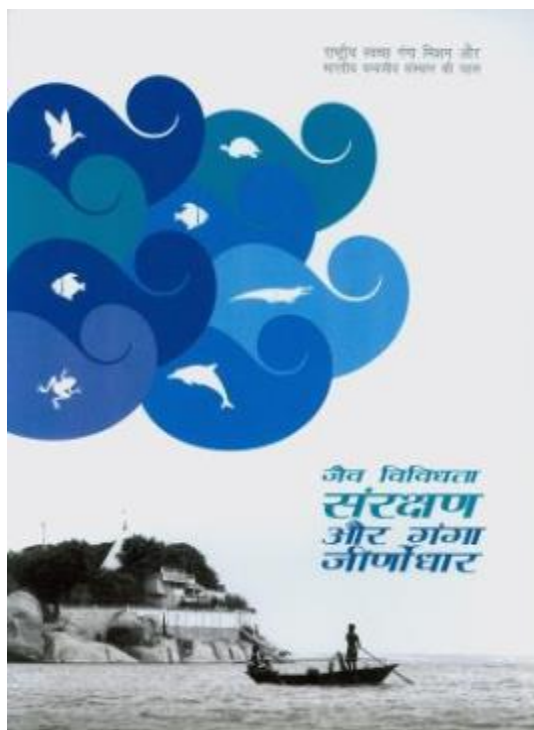
No.: 2688/WL/2M-162/2015 Dated: 27.05.2016

Copy forwarded for information to the Principal Chief Conservator of Forests & Head of Forest Force, West Bengal.

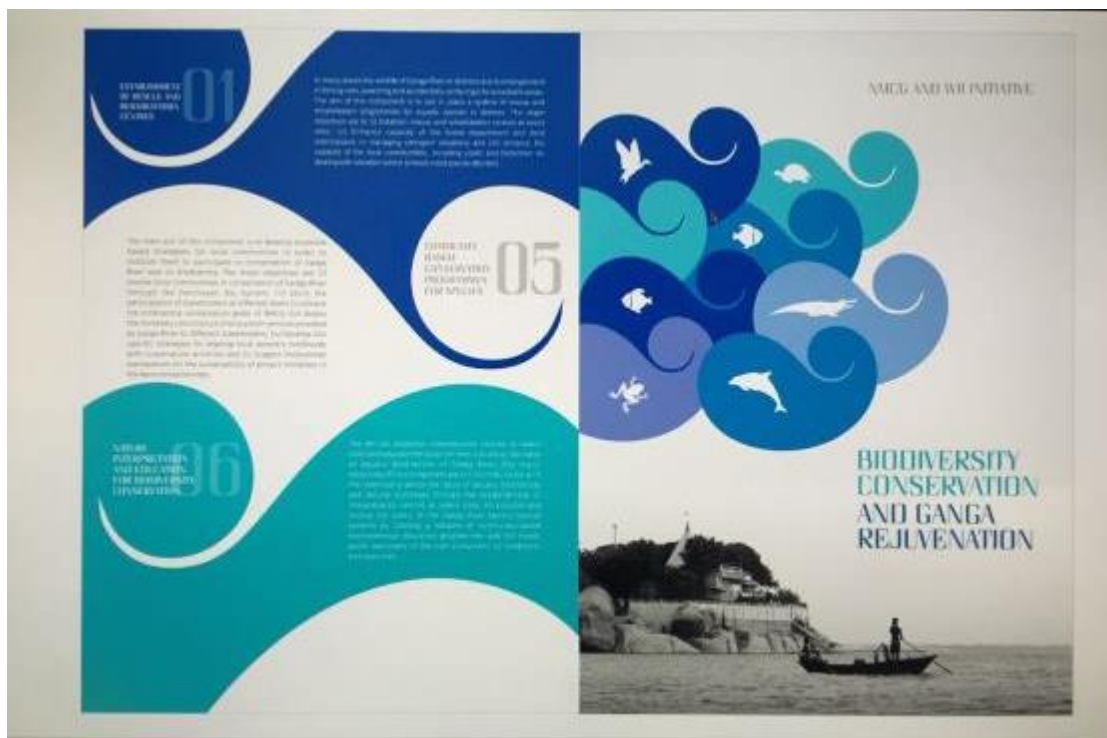

(Pradeep Vyas)
Principal Chief Conservator of Forests, Wildlife
& Chief Wildlife Warden, West Bengal

E:\PCCF, WL & CWLW, WB, 2016, bivas.doc

ANNEXURE 7 (a) HINDI BROCHURE



ANNEXURE 7 (b) ENGLISH BROCHURE



ANNEXURE 8

SITE WISE BANNERS PRESENTED AT THE PROJECT LAUNCH

ANNEXURE 8 (a) HARIDWAR, UTTARAKHAND





नमामि गंगे

“अब हम गंगा को मैली नहीं रहने देंगे”

नमामि गंगे के अंतर्गत **जैव विविधता संरक्षण एवं गंगा जीर्णोद्धार योजना का शुभारंभ**

श्री हरीश रावत
माननीय मुख्यमंत्री, उत्तराखंड
के द्वारा

श्री नितिन गडकरी
माननीय केंद्रीय मंत्री सड़क परिवहन और राजमार्ग मंत्रालय
की अध्यक्षता में

सुश्री उमा भारती
माननीय केंद्रीय मंत्री जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय, की विशेष उपस्थिति में

ऋषिकुल मैदान, हरिद्वार, दिनांक 7 जुलाई, 2016



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
नरोरा परम्पानु विड्युत संग्रह, नरोरा,
उत्तर प्रदेश
(www.npcil.nic.in)



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
कछुआ पुनर्वास केंद्र,
सारनाथ, उत्तर प्रदेश
(www.upforestwildlife.org)



गंगा जलीयजीव संरक्षण अनुसंधान केंद्र
भारतीय वन्यजीव संस्थान
उत्तराखंड
(www.wii.gov.in)



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
गरुड बचाव और पुनर्वास केंद्र,
भागलपुर, बिहार
(www.forest.inl.nic.in)



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
साहिबगंज, झारखंड
(www.jharkhand.gov.in)



भारतीय वन्यजीव संस्थान
Wildlife Institute of India
राष्ट्रीय स्वच्छ गंगा मिशन











Ministry of Water Resources,
River Development & Ganga Rejuvenation
Government of India

प्रसारण





<http://nmog.nic.in>



ANNEXURE 8

SITE WISE BANNERS PRESENTED
AT THE PROJECT LAUNCH

ANNEXURE 8 (b) NARORA, UTTAR PRADESH



श्री नरेंद्र मोदी
माननीय प्रधानमंत्री

नमामि गंगे

“अब हम गंगा को मैली नहीं रहने देंगे”

नमामि गंगे के अंतर्गत
“गंगा जलीयजीव ज्ञान प्रबंधन केंद्र”
का
शुभारंभ

नरोरा परमाणु विद्युत संयंत्र,
नरोरा, उत्तर प्रदेश 7 जुलाई, 2016
(www.npcil.nic.in)





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ANNEXURE 8

SITE WISE BANNERS PRESENTED
AT THE PROJECT LAUNCH

ANNEXURE 8 (c) SARNATH, UTTAR PRADESH



श्री नरेंद्र मोदी
माननीय प्रधानमंत्री

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का
शुभारंभ

कछुआ पुनर्वास केंद्र,
सारनाथ, उत्तर प्रदेश
(www.upforestwildlife.org)





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ANNEXURE 8

SITE WISE BANNERS PRESENTED
AT THE PROJECT LAUNCH

ANNEXURE 8 (d) BHAGALPUR, BIHAR



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माननीय प्रधानमंत्री

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नमामि गंगे के अंतर्गत
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का शुभारंभ

गरुड़ बचाव और पुनर्वास केंद्र,
भागलपुर, बिहार
(www.forest.bih.nic.in)





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Government of India



प्रसारण
f t y
<http://nmcg.nic.in>

ANNEXURE 8

SITE WISE BANNERS PRESENTED
AT THE PROJECT LAUNCH

ANNEXURE 8 (e) SAHIBGANJ, JHARKHAND



श्री नरेंद्र मोदी
माननीय प्रधानमंत्री

नमामि गंगे

“अब हम गंगा को मैली नहीं रहने देंगे”

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का
शुभारंभ

गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
साहिबगंज, झारखंड
(www.jharkhand.gov.in)





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Government of India



गंगा संक्षिप्त

प्रसारण
f t YouTube

<http://nmcg.nic.in>

ANNEXURE 9 (a) GHARIAL (*Gavialis gangeticus*)

घड़ियाल (*Gavialis gangeticus*)



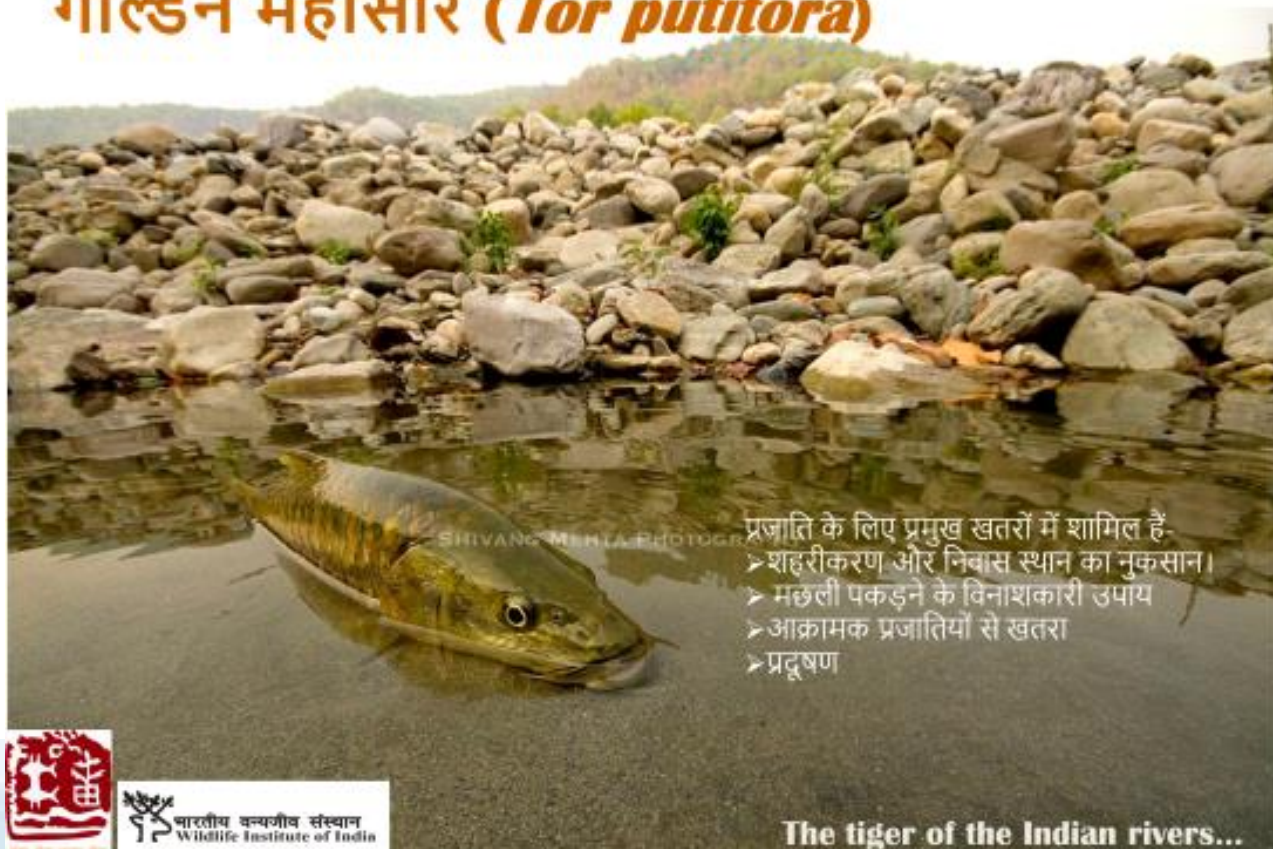
इस प्रजाति के लिए संकट के प्रमुख कारणों में निवास स्थान परिवर्तन, मछुआरों और अवैध शिकार के द्वारा आकस्मिक हत्या आदि शामिल हैं।

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ANNEXURE 9 (b) GOLDEN MAHSEER (*Tor putitora*)

गोल्डन महासीर (*Tor putitora*)



ANNEXURE 9 (c) GANGETIC DOLPHIN (*Platanista gangetica gangetica*)

गांगेय डॉल्फिन *Platanista gangetica gangetica*



प्रदूषण

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विकास परियोजना



अवैध शिकार और दुर्घटना



© Rahul Kaushal



ANNEXURE 9 (d) OTTER (*Lutrogale perspicillata*)

The Year of the Otter
2016

“आर्द्रभूमि के दूत”

शीर्ष परभक्षी,
उनकी उपस्थिति
आर्द्रभूमि के
पारिस्थितिकी तंत्र के
स्वास्थ्य का सबसे अच्छा
संकेत हैं।

उष्णकटिबंधीय एशिया में
ऊद की दुनिया भर में
पाई जाने वाली 13
प्रजातियों में से 4
प्रजातियाँ पाई जाती है,
जिनमे से 3 **प्रजातियाँ**
भारत में मिलती है।

www.JamesWarwick.co.uk

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भारत सरकार
Ministry of Environment, Government of India

ANNEXURE 9

POSTERS OF GANGETIC AQUATIC SPECIES

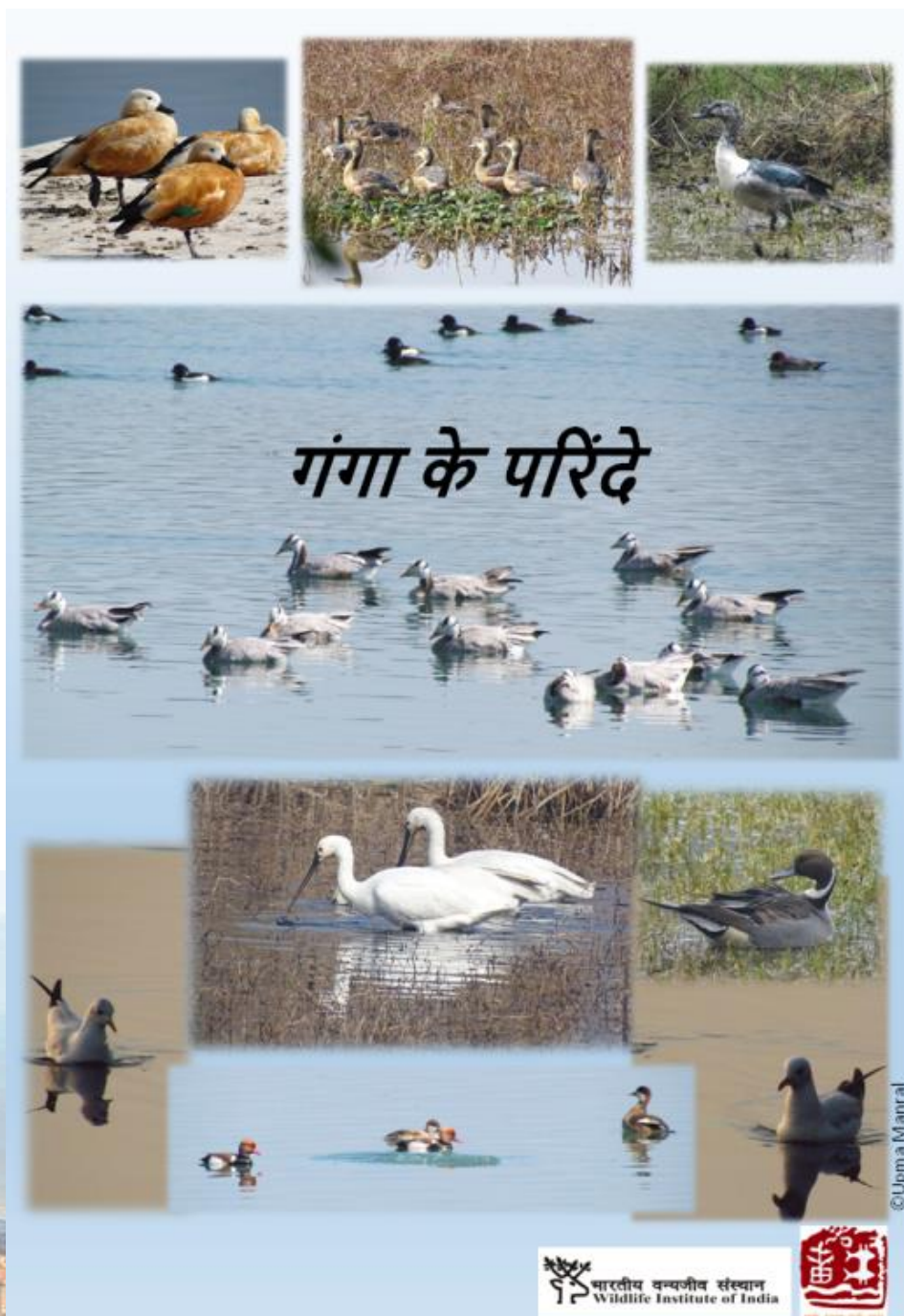
ANNEXURE 9 (e) TURTLE (*Batagur kachuga*)



ANNEXURE 9

POSTERS OF GANGETIC AQUATIC SPECIES

ANNEXURE 9 (f) RESIDENT AND MIGRATORY GANGETIC WATER BIRDS



ANNEXURE 9 (g) BLACK NECKED STORK (*Ephippiorhynchus asiaticus*)

The Giant Stork...

Black-necked Stork
Ephippiorhynchus asiaticus

संकट के प्रमुख कारण

- कृषि और औद्योगिक विस्तार के कारण आवास का विनाश।
- अत्यधिक मछली दोहन
- अंडों का संग्रह
- प्रजनन के दौरान मानव द्वारा खलल



© Ugras Manral



© Ugras Manral



एटोमिक शक्ति विभाग और पर्यावरण विभाग
(MOT, MINISTRY OF PWC)
NUCLEAR POWER CORPORATION OF INDIA LIMITED
A Government of India Enterprise



ANNEXURE 9 (h) MUGGER (*Crocodylus palustris*)

MUGGER *Crocodylus palustris*



संकट के प्रमुख
कारण

- कृषि और औद्योगिक विस्तार के कारण आवास का विनाश।
- मछली पकड़ने के उपकरण में फसने से मृत्यु।
- चिकित्सा के लिए त्वचा, मांस और शरीर के अंगों के लिए अवैध शिकार।
- अंडों का संग्रह।
- प्रजाति के प्राकृतिक निवास में मानव अतिक्रमण की बढ़ती।



ANNEXURE 9 (i) Saltwater Crocodile (*Crocodylus porosus*)

AQUATIC SPECIES AT RISK

...IN THE GANGA RIVER

IUCN: Least Concern
IWPA: Schedule I
CITES: Appendix I & II

Saltwater Crocodile (*Crocodylus porosus*)



Major Threats to the species include

- Habitat loss
- Illegal hunting for meat and skin
- Negative attitude of humans due to its infamous reputation



© in

The conservation of saltwater crocodile populations is highly dependent on management practices that allow crocodiles and human to co-exist, along with public awareness and education



(Source: Queensland Historical Atlas)

- ❖ Largest of all crocodilians, and the largest reptile in the world.
- ❖ Has a relatively large head, with a pair of ridges that run from the eye along the centre of the snout.
- ❖ It is a powerful and opportunistic predator, feeding on a wide variety of prey.
- ❖ Found in brackish water around coastal areas and rivers, often amongst mangrove forest, as well as occurring further out to sea, and also occurs in freshwater rivers, lakes, swamps and marshes.
- ❖ The saltwater crocodile is extremely rare on the Indian subcontinent. A large population is present within the Bhitarkanika Wildlife Sanctuary of Odisha and in smaller numbers throughout the Sundarban.



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Wildlife Institute of India



ANNEXURE 10 (a) GANGA AQUALIFE CONSERVATION MONITORING CENTRE DEHRADUN, UTTARAKHAND



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का शुभारंभ

श्री हरीश रावत
माननीय मुख्यमंत्री, उत्तराखंड
के द्वारा

श्री नितिन गडकरी
माननीय केंद्रीय मंत्री सड़क परिवहन और राजमार्ग मंत्रालय की अध्यक्षता में

सुश्री उमा भारती
माननीय केंद्रीय मंत्री जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय,
की विशेष उपस्थिति में

ऋषिकुल मैदान, हरिद्वार, दिनांक 7 जुलाई, 2016



गंगा जलीयजीव संरक्षण अनुश्रवण केंद्र
भारतीय वन्यजीव संस्थान
देहरादून, उत्तराखंड
(www.wii.gov.in)

राष्ट्रीय स्वच्छ गंगा मिशन
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River Development & Ganga Rejuvenation
Government of India



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ANNEXURE 10 (b) GANGA AQUALIFE KNOWLEDGE AND MANAGEMENT CENTRE NARORA, UTTAR PRADESH



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का शुभारंभ

श्री हरीश रावत
माननीय मुख्यमंत्री, उत्तराखंड
के द्वारा

श्री नितिन गडकरी
माननीय केंद्रीय मंत्री सड़क परिवहन और राजमार्ग मंत्रालय की अध्यक्षता में
सुश्री उमा भारती
माननीय केंद्रीय मंत्री जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय,
की विशेष उपस्थिति में

ऋषिकुल मैदान, हरिद्वार, दिनांक 7 जुलाई, 2016



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
नरोरा परमाणु विद्युत संयंत्र,
नरोरा, उत्तर प्रदेश
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Wildlife Institute of India



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Government of India



राष्ट्रीय स्वच्छ गंगा मिशन
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ANNEXURE 10 (c) GANGA AQUALIFE KNOWLEDGE AND MANAGEMENT CENTRE SARNATH, UTTAR PRADESH



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“गंगा जलीयजीव ज्ञान प्रबंधन केंद्र”
का शुभारंभ

श्री हरीश रावत
माननीय मुख्यमंत्री, उत्तराखंड
के द्वारा

श्री नितिन गडकरी
माननीय केंद्रीय मंत्री सड़क परिवहन और राजमार्ग मंत्रालय की अध्यक्षता में
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की विशेष उपस्थिति में

ऋषिकुल मैदान, हरिद्वार, दिनांक 7 जुलाई, 2016



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
कछुआ पुनर्वास केंद्र,
सारनाथ, उत्तर प्रदेश
(www.upforestwildlife.org)



भारतीय वन्यजीव संस्थान
Wildlife Institute of India

Ministry of Water Resources,
River Development & Ganga Rejuvenation
Government of India



राष्ट्रीय स्वच्छ गंगा मिशन
<http://nmcg.nic.in>



प्रसारण

ANNEXURE 10 (d) GANGA AQUALIFE KNOWLEDGE AND MANAGEMENT CENTRE BHAGALPUR, BIHAR



नमामि गंगे

“अब हम गंगा को मैली नहीं रहने देंगे”

नमामि गंगे के अंतर्गत
“गंगा जलीयजीव ज्ञान प्रबंधन केंद्र”
का शुभारंभ

श्री हरीश रावत
माननीय मुख्यमंत्री, उत्तराखंड
के द्वारा

श्री नितिन गडकरी
माननीय केंद्रीय मंत्री सड़क परिवहन और राजमार्ग मंत्रालय की अध्यक्षता में

सुश्री उमा भारती
माननीय केंद्रीय मंत्री जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय,
की विशेष उपस्थिति में

ऋषिकुल मैदान, हरिद्वार, दिनांक 7 जुलाई, 2016



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
गरुड़ बचाव और पुनर्वास केंद्र,
भागलपुर, बिहार
(www.forest.bih.nic.in)

राष्ट्रीय स्वच्छ गंगा मिशन
<http://nmcg.nic.in>



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प्रसारण



ANNEXURE 10 (e) GANGA AQUALIFE KNOWLEDGE AND MANAGEMENT CENTRE SAHIBGANJ, JHARKHAND



नमामि गंगे

“अब हम गंगा को मैली नहीं रहने देंगे”

नमामि गंगे के अंतर्गत
“गंगा जलीयजीव ज्ञान प्रबंधन केंद्र”
का शुभारंभ

श्री हरीश रावत
माननीय मुख्यमंत्री, उत्तराखंड
के द्वारा

श्री नितिन गडकरी
माननीय केंद्रीय मंत्री सड़क परिवहन और राजमार्ग मंत्रालय की अध्यक्षता में
सुश्री उमा भारती
माननीय केंद्रीय मंत्री जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय,
की विशेष उपस्थिति में

ऋषिकुल मैदान, हरिद्वार, दिनांक 7 जुलाई, 2016



गंगा जलीयजीव ज्ञान प्रबंधन केंद्र
साहिबगंज, झारखंड
(www.jharkhand.gov.in)



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Government of India



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<http://nmcg.nic.in>



प्रसारण



ANNEXURE 11 (a) BIODIVERSITY OF GANGA

गंगा की जैव विविधता



Ganges River Dolphin (*Platanista gangetica*)
WPA Schedule-I Part I IUCN Status-EN



Smooth-coated otter (*Lutrogale perspicillata*)
WPA Schedule-II Part II IUCN Status-VU



Gharial (*Gavialis gangeticus*)
WPA Schedule-I Part II IUCN Status-CR



Mugger or Indian marsh crocodile (*Crocodylus palustris*)
WPA Schedule-I Part IIA IUCN Status-VU



Indian Softshell turtle (*Wolsenia gangetica*)
WPA Schedule-III IUCN Status-VU



Indian tent turtle (*Pangshura circumdata*)
WPA Schedule-III IUCN Status-LC



Black Mahseer (*Tor khudree*)
WPA Schedule-III IUCN Status-EN



Indian Monoceros (*Rhinoceros unicornis*)
WPA Schedule-IV IUCN Status-VU



Ganges Shark (*Glyptocheilus gangeticus*)
WPA Schedule-I Part IIA IUCN Status-CR



Painted stork (*Mycteria leucorhynchos*)
WPA Schedule-III IUCN Status-NT



Sarus Crane (*Grus antigone*)
WPA Schedule-IV IUCN Status-VU



River Tern (*Sterna asotus*)
WPA Schedule-III IUCN Status-NT



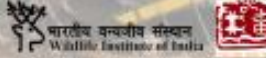
Bustard Spoonbill (*Platalea minor*)
WPA Schedule-III IUCN Status-LC



Northern River terrapin (*Batagur baska*)
WPA Schedule-I Part I IUCN Status-CR



Black-necked stork (*Ephippiorhynchus asiaticus*)
WPA Schedule-IV IUCN Status-NT



ANNEXURE 11 (b) DOLPHIN

"Tiger of the Ganga"

गांगेय डॉल्फिन नदी खाद्य श्रृंखला में सर्वोच्च स्थान रखती है और यह नदी पारितंत्र के स्वास्थ्य की सूचक है।

भागलपुर स्थित विक्रमशिला गांगेय डॉल्फिन अभ्यारण्य, एशिया में गांगेय डॉल्फिन का एकमात्र संरक्षण क्षेत्र है।



भौगोलिक वितरण



केवल 1200-1800 जीवित

Exclusively Freshwater

संरक्षण स्थिति

IUCN: Endangered
WPA: Schedule I
CITES: Appendix I



खतरे **THREAT**

- प्रदूषण
- अवैध शिकार और दुर्घटना
- जल विकास परियोजना
- हैबिटेट गिरावट और विखंडन

राष्ट्रीय जलीय जीव



पहचान कैसे करें.. ?

- लंबे थूथन, गोल पेट, बड़े फ्लिपर्स गंगा नदी डॉल्फिन के लक्षण हैं।
- 10 साल की उम्र में परिपक्व होती है।
- गर्भ 9-10 महीने, हर २-३ साल में एक बार प्रजनन।



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ANNEXURE 11 (c) TURTLES

गंगा नदी के कछुए



❖ कछुओं का वर्णन भारत के पौराणिक ग्रंथों एवं ऐतिहासिक पुस्तकों में मिलता है। नदी में इन विशिष्ट जीवों की उपस्थिति नदी परितंत्र के अच्छे स्वास्थ्य को दर्शाती हैं।



❖ भारत में पाए जाने वाली कुल 26 प्रजातियों में से 12 प्रजातियाँ गंगा नदी में पाई जाती हैं जो भारतीय वन्यजीव (संरक्षण) अधिनियम, 1972 में सूचीबद्ध हैं।



❖ कछुए की आबादी में कमी के मुख्य कारण निवास स्थान को नुकसान, अंडों का संग्रह, नदी तट में खेती और रेत का खनन हैं।



ANNEXURE 11 (d) BREEDING WATER BIRDS



गंगा के पक्षी



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Wildlife Institute of India



पक्षी महत्वपूर्ण है क्योंकि वे पारम्परिक तंत्र को संतुलन में रखते हैं; वे पौधों के सेवन, बीज फैलाने, श्व सन्मार्जक तथा पोषक तत्वों के मृदा में पुनर्चक्रण में अहम भूमिका निभाते हैं। इसके अतिरिक्त वे मौसम के बदलने के संकेत देते हैं एवं कला और कविता की रचना के लिए प्रेरणा देते हैं। वे मानव को उड़ने के लिए प्रेरित करते हैं तथा हमें वे एहसास दिलाते हैं की हम केवल इस पृथ्वी पर नहीं किन्तु इस पृथ्वी के हैं। मेलनेनी ड्रीमस्केल

काती तहरी (Sterna acuticauda)



वयस्कों का आकार 33 सेमी होता है जिनकी नारंगी चोंच एवं सिर पर काली टोपी तथा गर्दन का पिछला हिस्सा काला होता है। गहरे भूरे रंग के पंख तथा काला पेट इनकी खास पहचान है। अक्सर पंछियों में नारंगी चोंच का अंगना दिम्ब गहरा करता होता है।



भौगोलिक वितरण (स्रोत: birdlife.org)

WPA Schedule- IV

सारस (Grus antigone)



वयस्कों का आकार 152-156 सेमी होता है, नारंगी चोंचदार सिर, गर्दन का मध्य भाग कफ़ेड तथा चोंच नारंगी होती है।

WPA Schedule- IV



भूजपुर तथा वर्तमान भौगोलिक वितरण (स्रोत: birdlife.org, 2000)



संकट के कारण

आवास में कमी तथा खिंडन
खाद्य श्रृंखला में कीटनाशकों का प्रवेश
भोजन, व्यापार तथा वृषा के लिए वयस्कों का शिकार एवं अंडों का संग्रह
विजली ताइनों के साथ दुर्घटना
नदी के प्रवाह में परिवर्तन तथा बाढ़ से घासलों को नुकसान

भारतीय स्कीमर (Rynchops albicollis)



भौगोलिक वितरण (स्रोत: birdlife.org)

वयस्कों का आकार 40-43 सेमी होता है। माथा तथा कर्णर सफ़ेद। चोंच लंबी, मोटी पीले अग्र भाग के साथ गहरे नारंगी रंग की होती है जिसमें नीचला जबड़ा सम्मिलित होता है। अक्सर मुलक रंग के होते हैं।

WPA Schedule- IV

किनई (Sterna aurantia)



भौगोलिक वितरण (स्रोत: birdlife.org)

वयस्कों का आकार 38-43 सेमी होता है। काला सिर, खलेटी पंख, लम्बे नोकदार पर, पीली चोंच तथा खाल पर इनकी पहचान है।

रिवर लेपविंग (Vanellus duvaucelii)



भौगोलिक वितरण (स्रोत: birdlife.org)

वयस्कों का आकार 29-32 सेमी होता है। काली, चहरी, तथा गर्दन का अग्र भाग काला होता है। नर, मादा से आकार में बड़े होते हैं।

WPA Schedule- IV



ANNEXURE 11 (e) WII-NMCG- भारतीय वन्यजीव संस्थान - राष्ट्रीय स्वच्छ गंगा मिशन

जैव विविधता संरक्षण तथा गंगा जीर्णोद्धार - राष्ट्रीय स्वच्छ गंगा मिशन तथा भारतीय वन्यजीव संस्थान का उपक्रम

GIVER
भारत के ११ राज्यों में लोगों की जीवन रेखा है।

TAKER
तरल तथा ठोस कचरे की भारी मात्रा

OVERLOADED
जीर्णोद्धार की जरूरत



राष्ट्रीय स्वच्छ गंगा मिशन
राष्ट्रीय स्वच्छ गंगा मिशन, गंगा नदी में प्रदूषण का दबाव कम करने के लिए 12 अगस्त 2011 को प्रारंभ किया गया।

विज्ञान
गंगा जीर्णोद्धार योजना का उद्देश्य गंगा नदी की "अवरल धारा" (सतत प्रवाह), "निर्मल धारा" (प्रदूषणरहित प्रवाह), ऐव भूगर्भिक तथा पारिस्थितिक अखंडता को सुनिश्चित करना है।



घटक १: गंगा जलीय वन्यजीव संरक्षण अनुश्रवण केंद्र की स्थापना।
गंगा नदी में जलीय वन्यजीवों के विज्ञान आधारित पुनः स्थापन को बढ़ावा देने के लिये गंगा जलीय वन्यजीव संरक्षण अनुश्रवण केंद्र की स्थापना भारतीय वन्यजीव संस्थान, देहरादून में उचित साझेदारों को शामिल करके की जाएगी।

घटक २: गंगा नदी में जलीय प्रजातियों की पुनः स्थापना की योजना।
गंगा की जैव विविधता की रूपरेखा तैयार करना व चयनित क्षेत्रों में चयनित जलीय प्रजातियों की पुनः स्थापना की योजना प्रस्तावित करना।



घटक ३: वन विभाग और अन्य साझेदारों की क्षमता विकास।
हितधारकों की क्षमता का इस प्रकार विकास की वे प्रभावी ढंग से गंगा नदी के जैव विविधता के संरक्षण तथा पुनः स्थापना में योगदान कर सकें।

घटक ४: पुनर्वास और बचाव केन्द्रों की स्थापना।
संकटग्रस्त जलीय प्रजातियों के लिए बचाव और पुनर्वास कार्यक्रमों की एक प्रणाली को स्थापित करना।



घटक ५: प्रजातियों की पुनः स्थापना के लिए लोक समुदाय आधारित संरक्षण कार्यक्रम।
स्थानीय समुदायों के लिए प्रोत्साहन आधारित नीतियों को विकसित करना ताकि उन्हें गंगा नदी और उसकी जैव विविधता के संरक्षण में भाग लेने के लिए तैयार किया जा सके।

घटक ६: गंगा की जैव विविधता संरक्षण के लिए प्रकृति विवेचन और शिक्षा।
भारतीय वन्यजीव संस्थान द्वारा कुछ चयनित स्थलों पर व्याख्यान केन्द्रों की स्थापना ताकि गंगा नदी की जैव विविधता के महत्व के बारे में स्थानीय समुदायों को शिक्षित किया जा सके।



WII-NMCG उपक्रम





भारतीय वन्यजीव संस्थान
Wildlife Institute of India



ANNEXURE 12

PROGRAMME SCHEDULE - PROJECT LAUNCH AT HARIDWAR ON 7th JULY 2016

समय दर समय कार्यक्रम	
कार्यक्रम	समय
मुख्य अतिथि व गणमान्य अतिथियों का आगमन	प्रातः 11:00
पुष्पगुच्छ भेंट करना	प्रातः 11:00 से प्रातः 11:05
दीप प्रज्वलन	प्रातः 11:05 से प्रातः 11:10
स्वागत गान	प्रातः 11:10 से प्रातः 11:15
निदेशक, एनएमसीजी द्वारा स्वागत भाषण	प्रातः 11:15 से प्रातः 11:20
नमामि गंगे के अंतर्गत कार्यों के विवरण की एक झलक	प्रातः 11:20 से प्रातः 11:25
नमामि गंगे गान का शुभारंभ	प्रातः 11:25 से प्रातः 11:30
विधूर बंधुओं का सम्मान	प्रातः 11:30 से प्रातः 11:40
डॉ० रमेश पोखरियाल, निशंक जी, पूर्व मुख्यमंत्री एवं सांसद द्वारा अभिभाषण	प्रातः 11:40 से प्रातः 11:50
डॉ० महेश शर्मा जी, माननीय पर्यटन व संस्कृति राज्य मंत्री, भारत सरकार द्वारा सम्बोधन	प्रातः 11:50 से दोपहर 12:00
सुश्री उमा भारती जी, माननीय जल संसाधन, नदी विकास और गंगा संरक्षण मंत्री, भारत सरकार द्वारा सम्बोधन	दोपहर 12:00 से दोपहर 12:10
श्री हरीश रावत जी, माननीय मुख्यमंत्री, उत्तराखंड द्वारा सम्बोधन	दोपहर 12:10 से दोपहर 12:15
वाफ्कोस द्वारा तैयार की गई पुस्तिका 'उत्तराखंड में गंगा नदी पर घाटों के प्रारूप' का गणमान्य अतिथियों द्वारा विमोचन	दोपहर 12:15 से दोपहर 12:20
भारतीय वन्य जीव संस्थान के सूचना पत्र का विमोचन	दोपहर 12:20 से दोपहर 12:25
उत्तराखंड में शिलान्यास का लोकार्पण तथा नमामि गंगे कार्यक्रम का शुभारंभ	दोपहर 12:25 से दोपहर 12:35
एनएमसीजी द्वारा एक APP तथा दो वेबसाइटों का शुभारंभ	दोपहर 12:35 से दोपहर 12:40
श्री नितिन गडकरी जी, माननीय सड़क परिवहन व महामार्ग व शिपिंग मंत्री, भारत सरकार द्वारा सम्बोधन	दोपहर 12:40 से दोपहर 12:45
स्मृति चिन्हों की भेंट	दोपहर 12:45 से दोपहर 12:50
श्री हरिहर मिश्रा, निदेशक (वित्त), एनएमसीजी द्वारा धन्यवाद प्रस्ताव	
गंगा गीत द्वारा कार्यक्रम का समापन	

ANNEXURE 13

WII TEAM (THEME COORDINATORS & SITE COORDINATORS OF THE PROJECT)

Theme Coordinators:

COMPONENT	COORDINATING FACULTY	CO-COORDINATING FACULTY	SUPPORTING FACULTY
1.Establishment of Ganga Aqualife Conservation Monitoring Centre	Dr. S.A. Hussain	Dr. Ruchi Badola	Dr. Gautam Talukdar (IT & GIS)
2.Planning Aquatic Species Restoration for Ganga River	Dr. J.A. Johnson	Dr.S.A. Hussain	Dr. V.P. Uniyal (Invertebrate) Dr. J.A. Johnson (Fish) Dr. Gopi G.V. (Birds & Mammals) Dr. Suresh Kumar (Herpetology) Dr. Anju Baroth (Toxicology) Dr. Sandeep Gupta (Genetics) Dr. Gautam Talukdar (IT & GIS) Dr. B.S. Adhikari (Flora)
3.Capacity Building of Forest Department and other Stakeholders	Dr. A.K. Bhardwaj	Dr. Ruchi Badola	Dr. Abhijit Das (Aquatic Species) Dr. S.A. Hussain (Wetland) Dr. Ruchi Badola (Ecodevelopment) Dr. Bitapi Sinha (Conservation Education)
4.Establishment of Rescue and Rehabilitation Centres	Dr. Suresh Kumar	Dr. Abhijit Das	Dr. S.A. Hussain Shri P.C. Tyagi Dr. Abhijit Das Dr. Ramesh C. Dr. S.K. Gupta
5.Community Based Conservation Programmes for Species Restoration in Ganga River	Dr. Ruchi Badola	Dr. A.K. Bhardwaj	Shri Ajay Srivastav Dr. Anju Baroth
6.Nature Interpretation and Education for Biodiversity Conservation of Ganga River	Dr. Bitapi Sinha	Dr. Gopi G.V	Dr. Abhijit Das Dr. Ramesh C.

Site Coordinators:

SITE	SITE COORDINATORS
Narora	Dr. Gautam Talukdar
Sarnath	Dr. Ruchi Badola
Bhagalpur	Dr. Bitapi C Sinha
Sahibganj	Dr. J.A. Johnson

WII Team for launch of the *Namami Gange* programme at various sites

Site	Coordinator	Accompanying faculty and Researchers	Contact
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