



नमामि
गंगे

NAMAMI GANGE PROGRAMME

- At a Glance

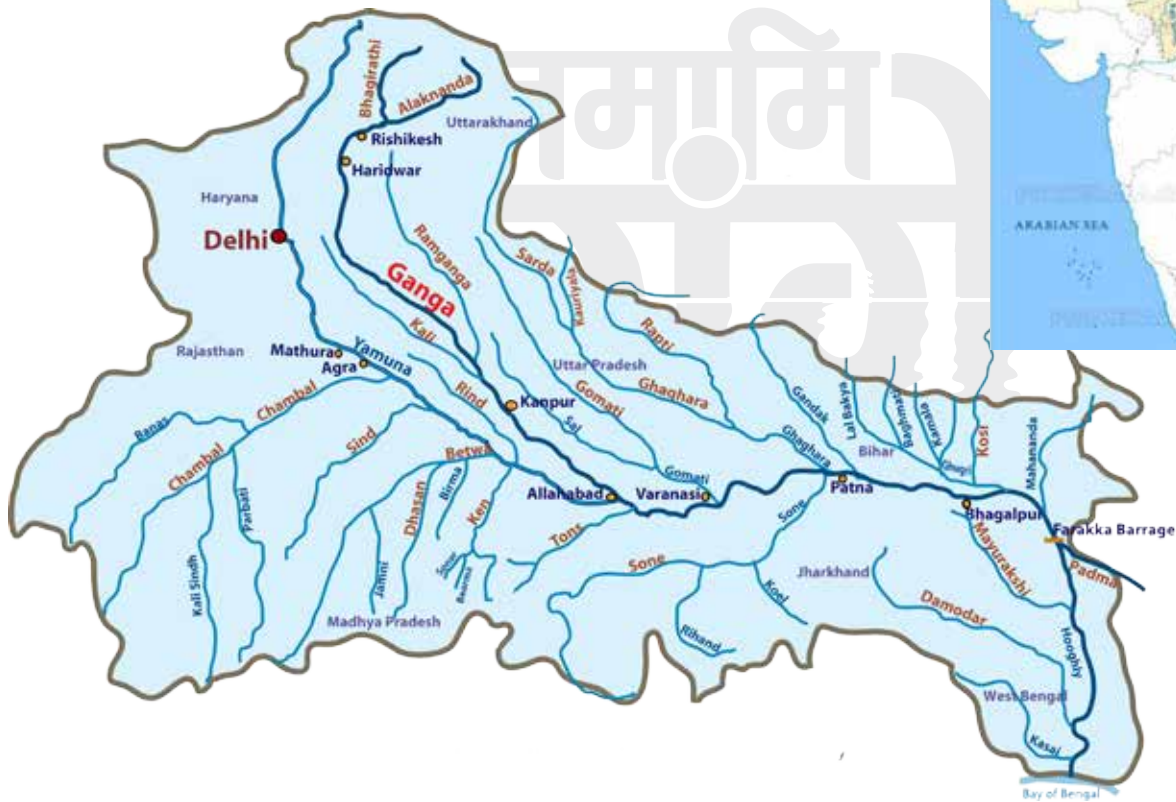
September 2020

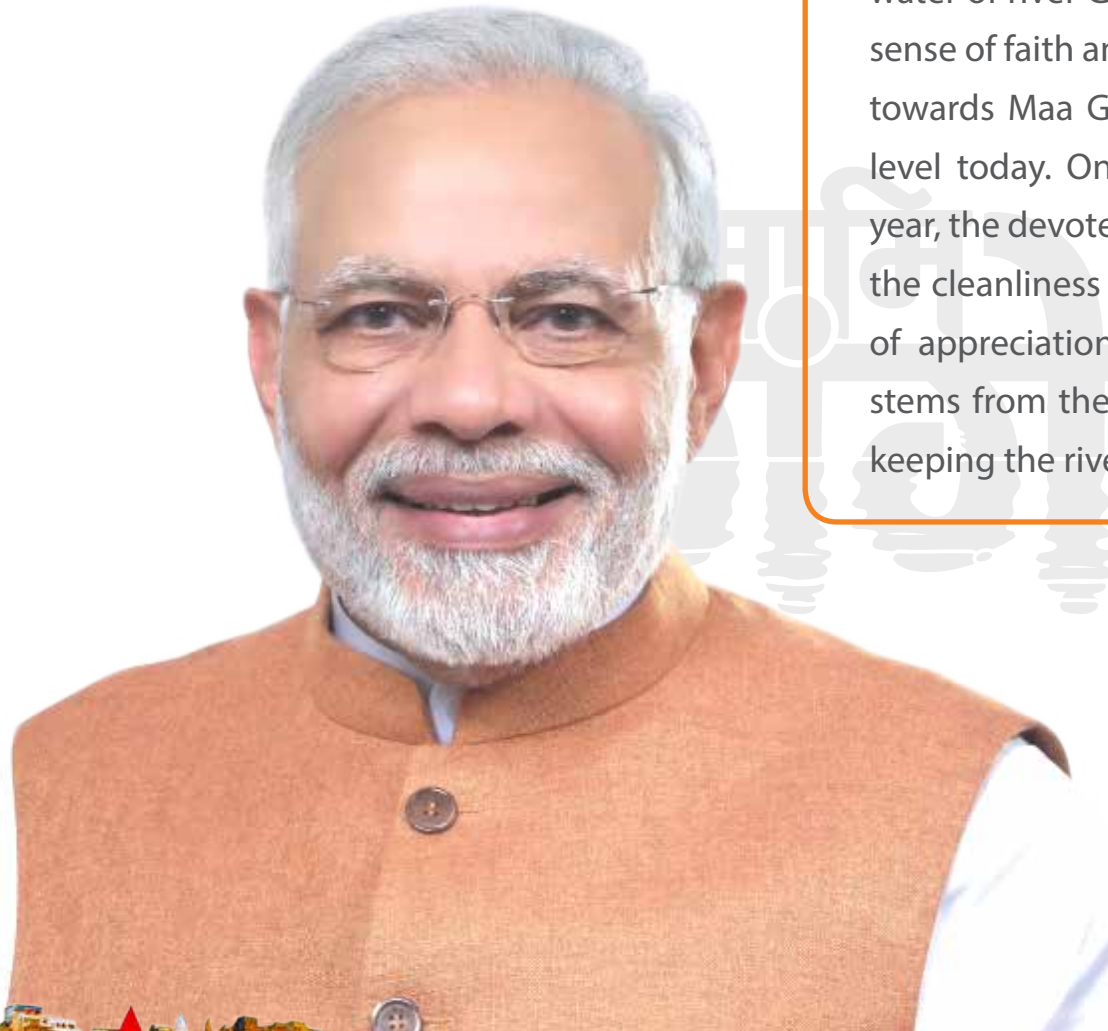
Ganga River Basin - Fact Sheet

11 states in the Ganga Basin with 5 on main stem

Total length of river is 2,525 km with longest stretch of 1,000 km in Uttar Pradesh

Catchment area of the basin is 8,61,404 sq km



A portrait of Shri Narendra Modi, the Prime Minister of India, with a white beard and glasses, wearing an orange kurta. The background is white with a faint watermark of the Ganga river and a cityscape.

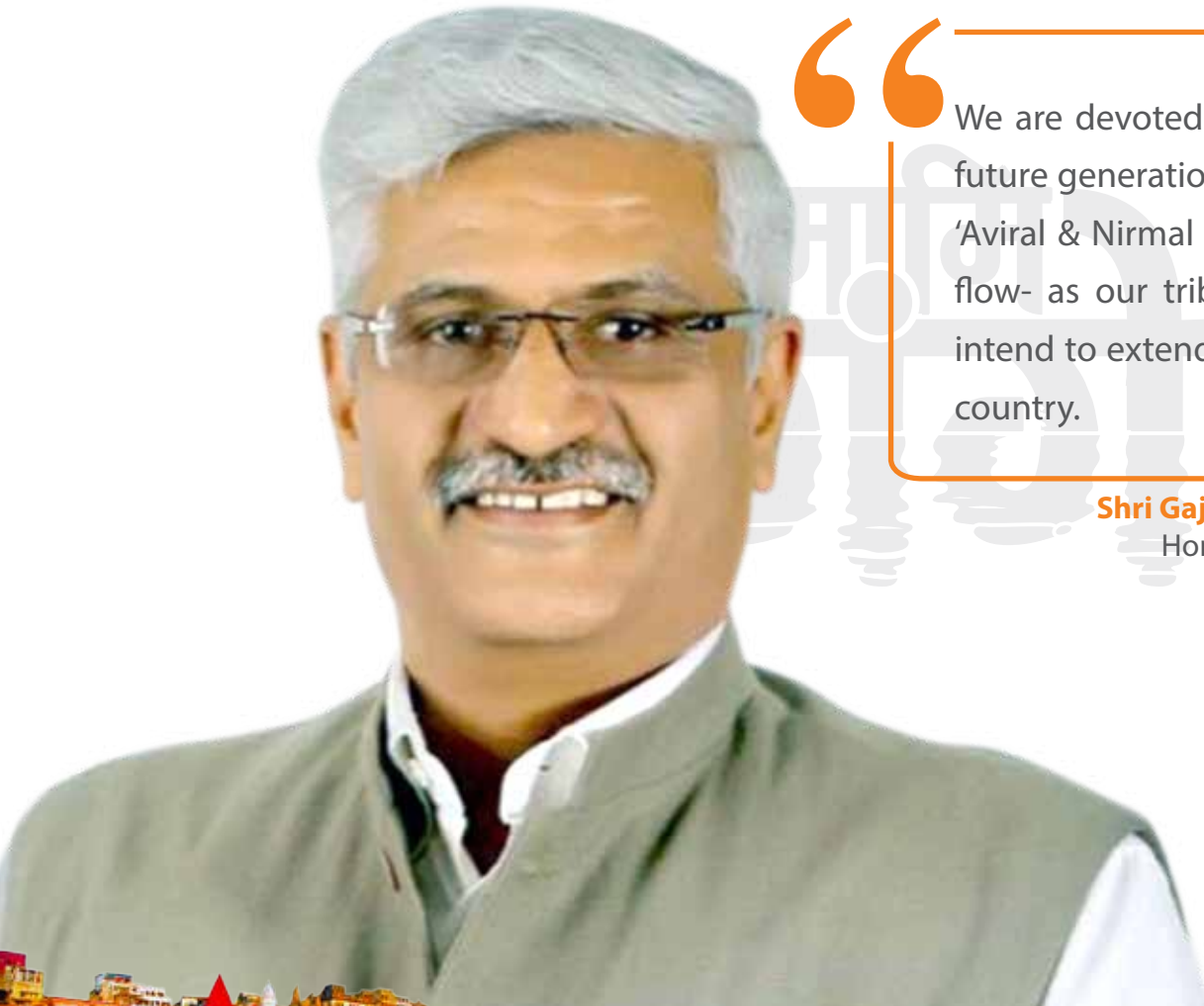
“ Public participation is largely responsible for the unprecedented improvement in the water of river Ganga in the last 5-6 years. The sense of faith and responsibility of the people towards Maa Ganga is at an unprecedented level today. On the occasion of Kumbh last year, the devotees expressed satisfaction over the cleanliness of the river Ganga. This sense of appreciation in the country and abroad stems from the contribution of the public in keeping the river clean.”

Shri Narendra Modi
Hon'ble Prime Minister



Hon'ble Prime Minister, Shri Narendra Modi chaired the first National Ganga Council Meeting in Kanpur, on December 14, 2019. Hon'ble Prime Minister emphasized that Namami Gange should lead to a sustainable and viable economic development model "Arth Ganga" to integrate people in the basin with Ganga rejuvenation

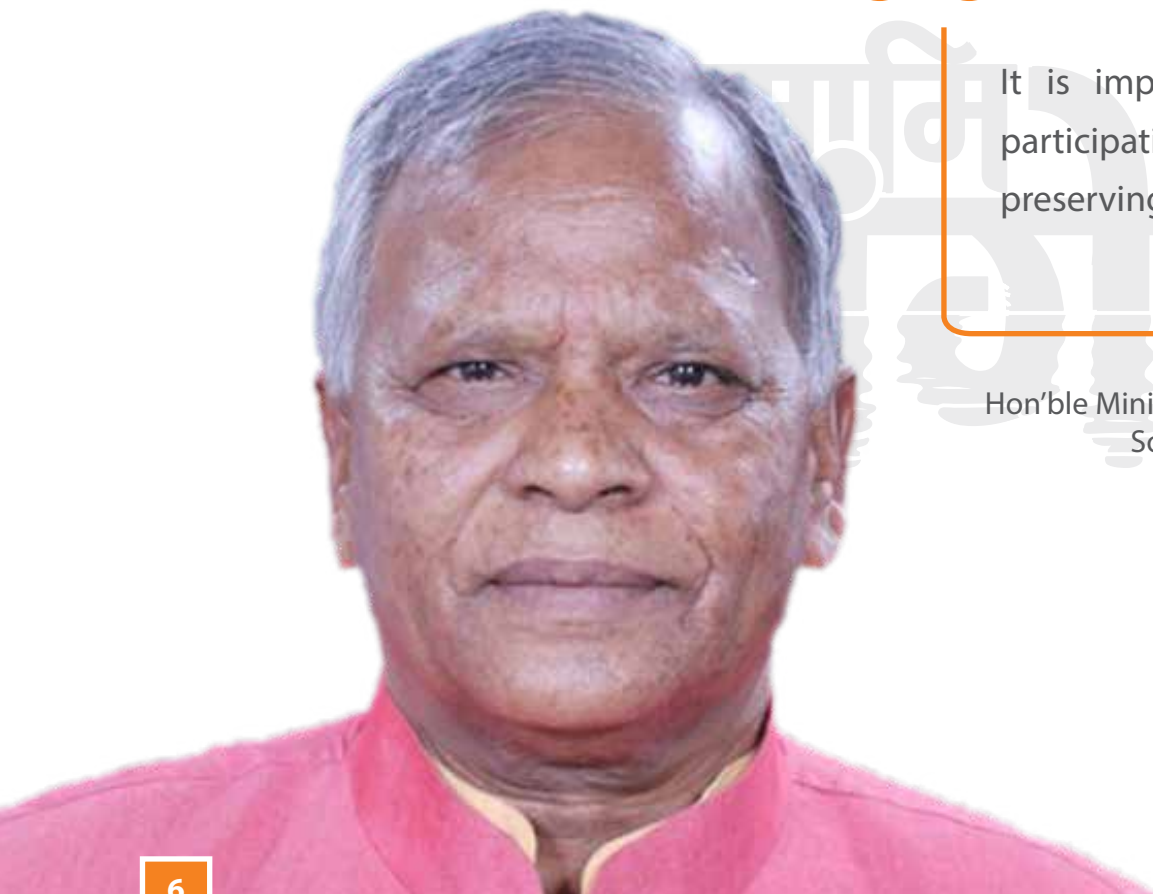




“ We are devoted to protect the rivers for our future generations. We have identified aim of ‘Aviral & Nirmal Dhara’ continuous and clean flow- as our tribute to river Ganga and we intend to extend this to all other rivers in the country.”

Shri Gajendra Singh Shekhawat
Hon'ble Minister of Jal Shakti





“

It is important to ensure people's participation in the noble cause of preserving water resources

”

Shri Rattan Lal Kataria

Hon'ble Minister of State for Jal Shakti and
Social Justice & Empowerment



Sewage Management

2,953 Million Litres sewage generated by 97 towns on the Ganga main stem everyday.

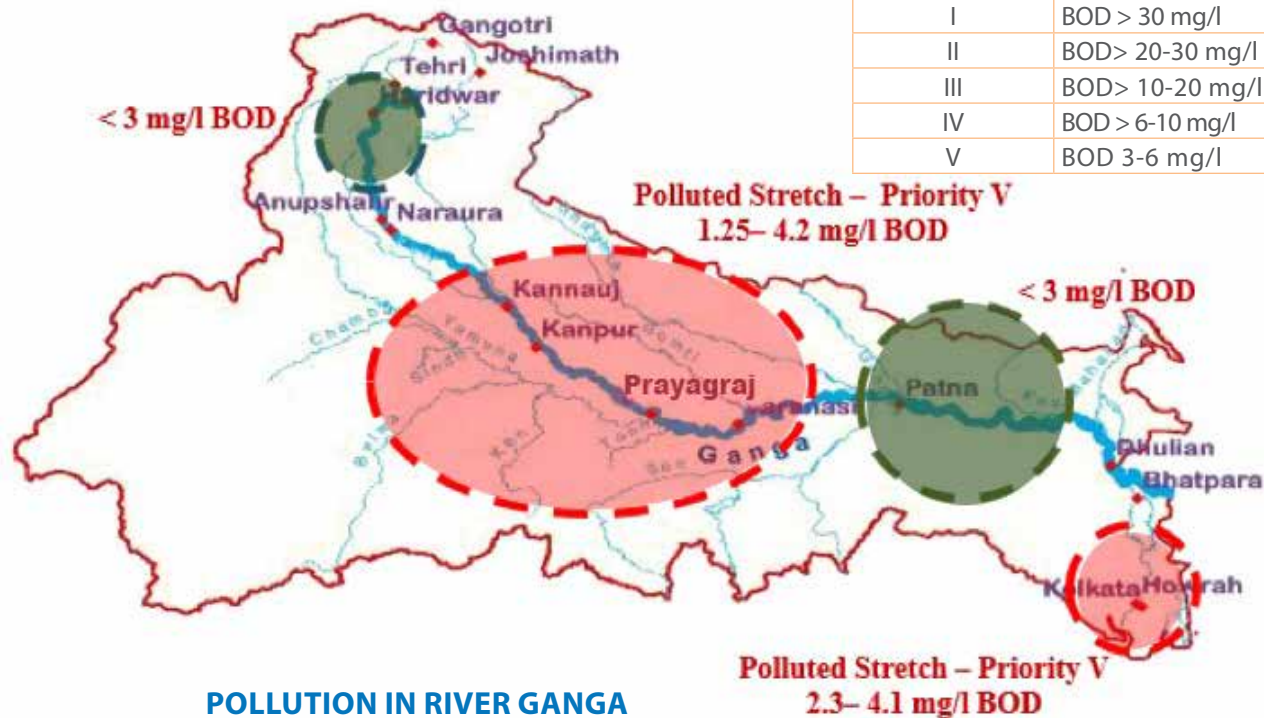
148 (Priority Drains) discharging in Ganga.

Industrial pollution - Toxicity

- 1072 GPIs (CPCB)
- Tanneries, Pulp & Paper, Sugar, Textile & Dyeing, Distilleries.

CRITERIA OF POLLUTED RIVER STRETCHES

Priority	Criteria
I	BOD > 30 mg/l
II	BOD > 20-30 mg/l
III	BOD > 10-20 mg/l
IV	BOD > 6-10 mg/l
V	BOD 3-6 mg/l



POLLUTION IN RIVER GANGA

Polluted Stretches		Priority Category	
		2018	2019
Uttarakhand	Haridwar to Sultanpur (< 3 mg/l BOD)	IV	-
Uttar Pradesh	Kannauj to Varanasi (1.25-4.2 mg/l BOD)	IV	V
Bihar	Buxar to Bhagalpur (< 3 mg/l BOD)	V	-
West Bengal	Triveni to Diamond Harbour (2.3 - 4.1 mg/l BOD)	III	V

A Shift Towards Integrated Basin Based Approach

1985

GAP-I (Ganga Action Plan)

- Focus on Main stem of River Ganga
- 25 Towns Covered
- 260 schemes

1995

NRCP (National River Conservation Plan)

- 41 major Rivers of the country
- 8 Ganga basin rivers viz Ganga, Yamuna, Gomti, Damodar Mahananda, Betwa, Mandakini, Ramganga

1993

GAP-II (Ganga Action Plan)

- Extended from GAP I in 1993
- Merged with NRCP in 1996
- Included - Yamuna, Gomti, Damodar & Mahananda

2009

NGRBA (National Ganga River Basin Authority)

- Separate Authority for Ganga in 2009
- Chaired by Prime Minister of India
- 2011 World Bank assisted Ganga Basin Project, NMCG, State missions
- NMCG (National Mission for Clean Ganga) implementing body at center

2015

Namami Gange Mission

- **Integrated conservation mission**
- **Basin approach**
- **All tributaries included**

Major Polluters



**Municipal
Wastewater
(Sewage)**



**Industrial
Pollution**



**Solid
Waste**



Non Point Source
Agricultural run-off, open defecation, pious refuse, partially cremated bodies, associated materials, etc.

A Vision... Leading To A Mission

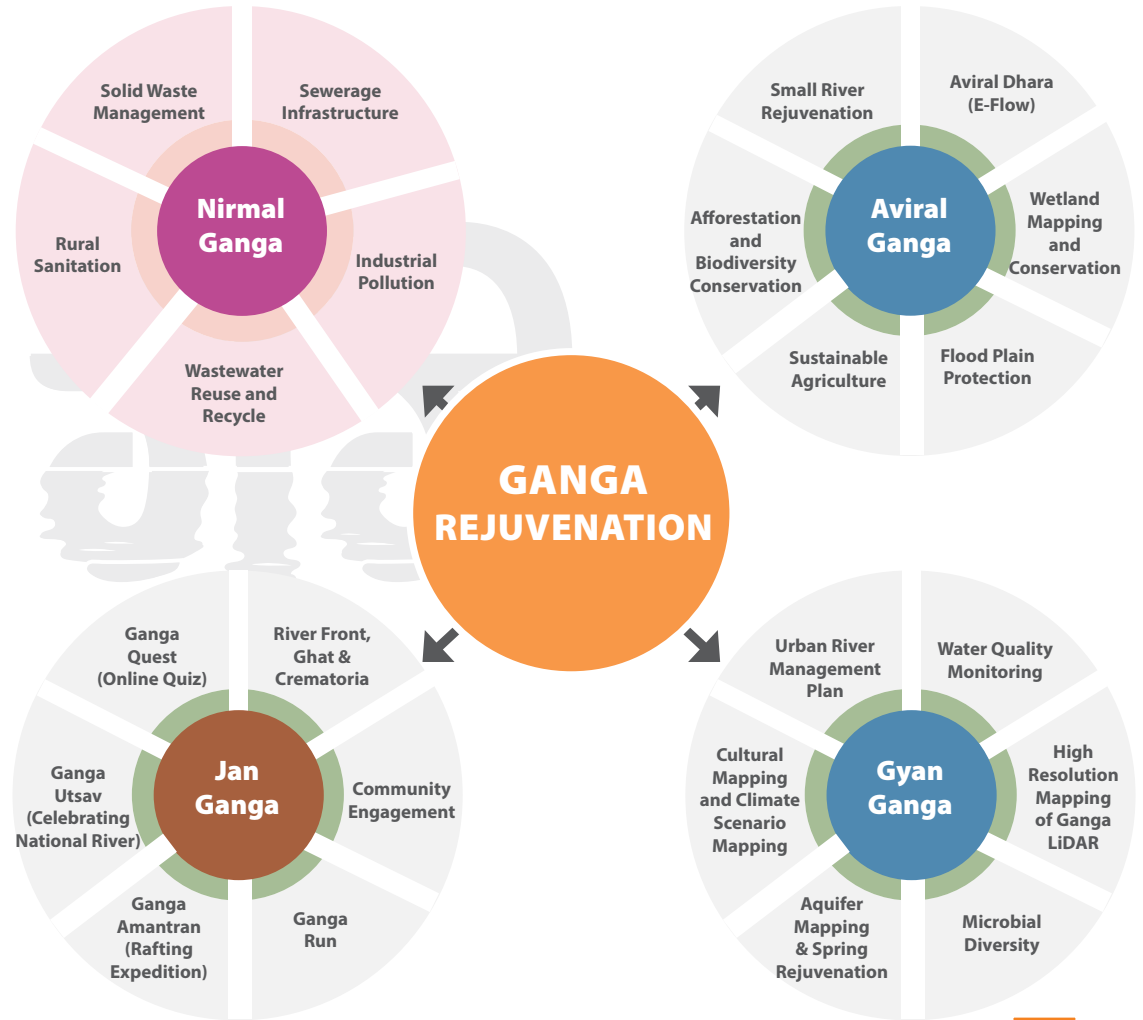
- ★ Collaborative action taken for converging multiple agencies under one roof - Central Ministries as well as State Governments
- ★ Comprehensive approach, bringing Ganga and its tributaries under one umbrella
- ★ Ganga River Basin Management Plan developed by consortium of 7 Indian Institute of Technology (IITs) (Jan 2015)
- ★ NAMAMI GANGE is approved as flagship programme with a budget outlay of ₹ 20,000 crore (May 2015)
- ★ National Mission for Clean Ganga, an implementing arm is declared as an Authority under Environment Protection Act, 1986 (Oct 2016)
- ★ Establishment of state and District Ganga Committees. (June 2017)
- ★ NMCG has notified minimum environmental flows to be maintained in river Ganga from its origin to Unnao, Uttar Pradesh (Oct. 2018)

Vision

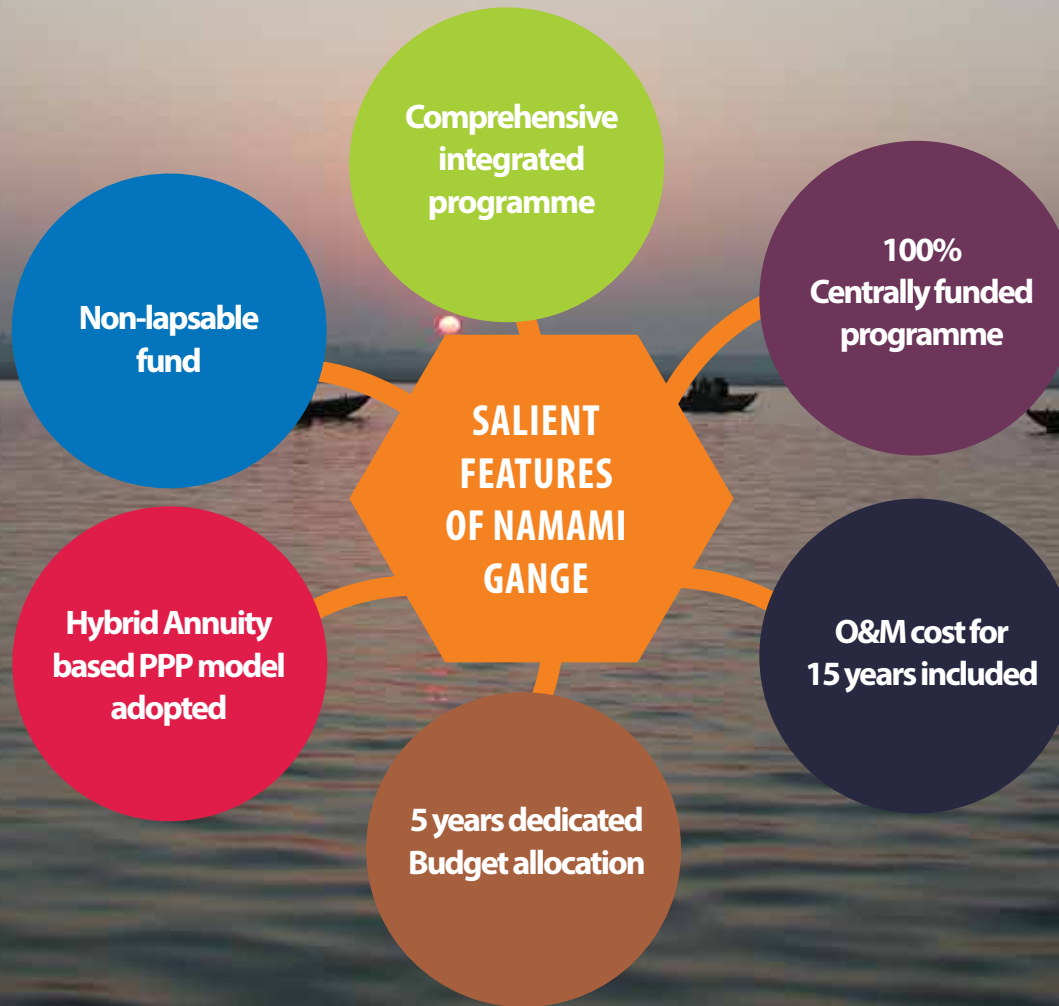
The Vision for Ganga Rejuvenation constitutes restoring the wholesomeness of the river defined in terms of ensuring “Aviral Dhara” (Continuous Flow), “Nirmal Dhara” (Unpolluted Flow”), Geologic and Ecological Integrity.

“ अगर पुराने तौर-तरीके अपनाए जाते, तो आज भी हालत उतनी ही बुरी रहती। लेकिन हम नई सोच, नई अप्रोच के साथ आगे बढ़े। हमने नमामि गंगे मिशन को सिर्फ गंगा जी की साफ-सफाई तक ही सीमित नहीं रखा, बल्कि इसे देश का सबसे बड़ा और विस्तृत नदी संरक्षण कार्यक्रम बनाया। ”

Shri Narendra Modi
Hon'ble Prime Minister



A Mission... Leading to Action



Sanctioned Projects

ACTIVITIES UNDER PROGRESS

Sewerage
Infrastructure



Rural Sanitation



Industrial Pollution
Abatement



Ghats & Crematoria
Development



315
PROJECTS
WORTH
₹28,854
CRORE

River Surface
Cleaning



Biodiversity
Conservation



Afforestation



Public
Participation



Namami Gange at a Glance (31st July 2020)

Sl No	Projects Undertaken	No of Projects	Sanction Cost (Rs in Cr)
Nirmal Ganga (Pollution Abatement)			
1	Sewerage Infrastructure	151	23,120.63
2	Bioremediation	13	242.23
3	Modular STPs Decentralized Treatment	1	410.00
4	Rural Sanitation	1	1,421.26
5	Industrial Pollution Abatement	14	1,141.20
6	Ghats Cleaning	3	45.54
7	River Surface Cleaning	1	33.53
	Sub Total	184	26,414.39
Jan Ganga (People and River Connect)			
8	River Front Development	1	336.73
9	Ghats & Crematoria (Old)	24	204.39
10	Ghats & Crematoria (New)	43	727.86
11	Ghats & Crematoria (CGF)	7	111.93
12	Ghats & Crematoria (CSR)	1	26.64
	Sub Total	76	1,407.55
Aviral Ganga (Ecology and Flow)			
13	Restoration of Kunds	1	18.48
14	Afforestation	21	306.31
15	Biodiversity Conservation	8	150.54
16	Composite Ecological Task Force Ganga Mitra	4	198.50
	Sub Total	34	673.83
Gyan Ganga (Research Policy and Knowledge Management)			
17	Institutional Development	8	192.94
18	Project Implementation Support/Research & Study Projects	13	165.39
	Sub Total	21	358.33
	Grand Total	315	28,854.11



Sewage Infrastructure Projects



Ghats & Crematoria



Public Outreach



नमामि गंगे ! तव पादपंकजं
सुरसुरैर्वन्दितदिव्यरूपम् ।
भुक्तिं च मुक्तिं च ददासि नित्यम्
भावानुसारेण सदा नराणाम् ॥

अर्थात्

हे गंगाजी ! मैं देव व दैत्यों द्वारा पूजित आपके दिव्य पादपदमों को प्रणाम करता हूँ। आप मनुष्यों को सदा उनके भावानुसार भोग एवं मोक्ष प्रदान करती हैं। यही नहीं, स्नान के समय गंगाजी के 12 नामों वाला यह श्लोक भी बोला जाता है, जिसमें गंगाजी का यह वचन निहित है कि स्नान के समय कोई मेरा जहाँ जहाँ भी स्मरण करेगा, मैं वहाँ के जल में आ जाऊँगी

NIRMAL GANGA

**“to ensure that
the flow is bereft
of manmade
pollution”**

Sewerage Infrastructure Projects

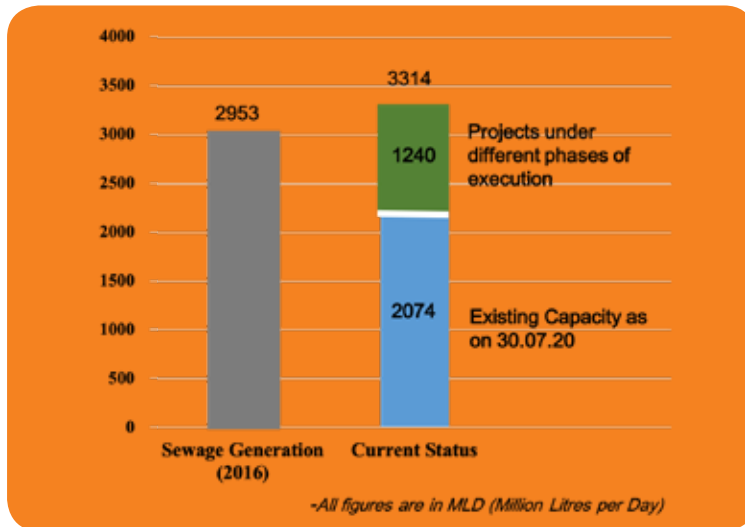
S. No.	State	Status as on 30th June 2020				
		Projects	STP Capacity (MLD)	Completed	Work-in-Progress	Under Tendering
Ganga Main Stem						
1	Uttarakhand	32	156	27	7	-
2	Uttar Pradesh	32	743.51	18	11	3
3	Bihar	28	618	2	17	9
4	Jharkhand	2	15.5	1	1	-
5	West Bengal	19	646.57	3	12	4
Total (Ganga Mainstem)		113	2,172.68	51	48	16
On Tributaries						
(Uttarakhand, Uttar Pradesh, Bihar, West Bengal, Haryana, Delhi, Himachal Pradesh)		38	2,694.07	4	25	9
Grand Total		151	4,873.65	55	73	25



Status of Sewage Infrastructure Projects

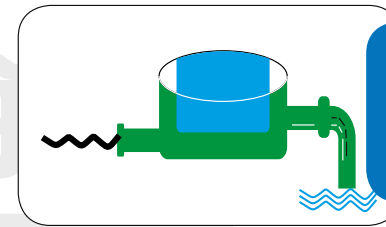
GANGA MAIN STEM

113 Projects



TRIBUTARIES

38 Projects

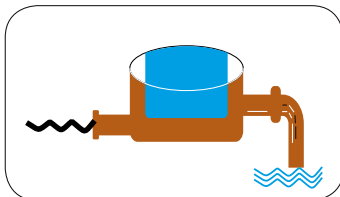


207 MLD STP Capacity Created



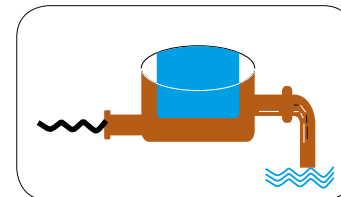
298 km of Sewer Network Laid

ONGOING PROJECTS TO FURTHER ACHIEVE



1596 MLD New STP Capacity

1481 km Sewer Network



2486 MLD New STP Capacity

323 km Sewer Network

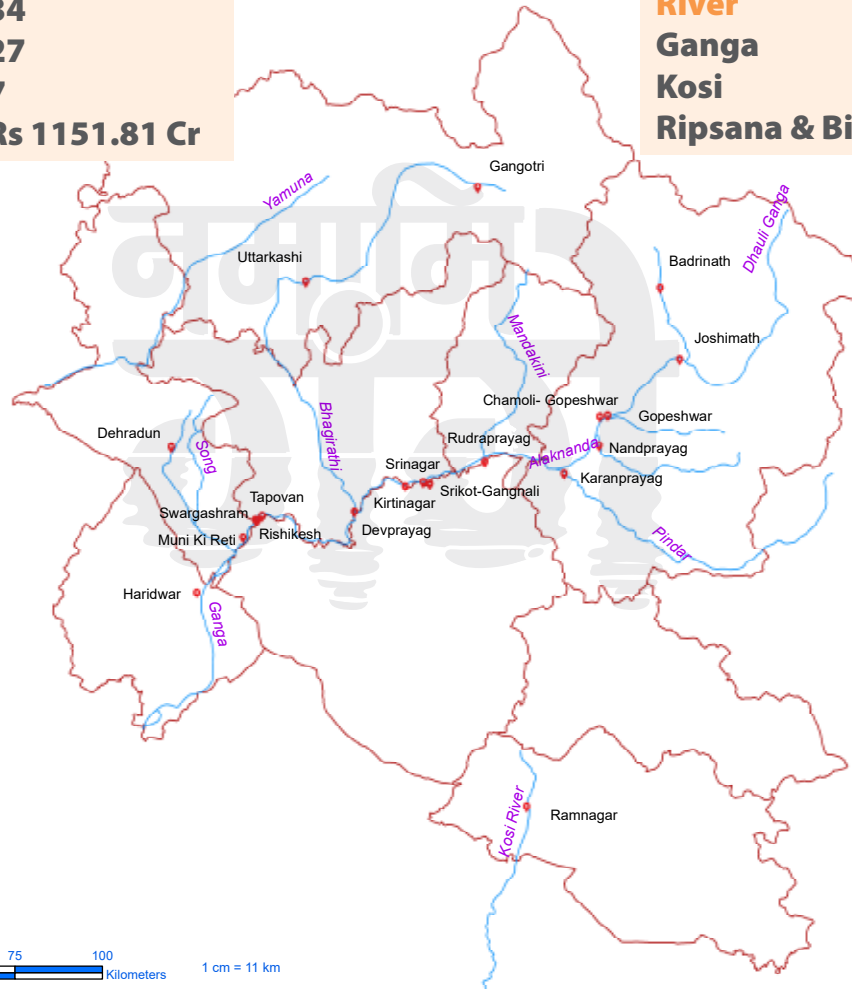
Namami Gange Projects in Uttarakhand



Snapshot of Projects Status

Projects : 34
Completed : 27
Work in Progress : 7
Sanctioned Cost : Rs 1151.81 Cr

River	No. of Projects
Ganga	: 32
Kosi	: 1
Ripsana & Bindal	: 1



Uttarakhand- Completed Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Restoration and Reconstruction of Sewerage Scheme due to disaster in Gangotri	0.45	-	-
2	Sewerage System and STP for Gangotri Dham	10.48	1	2.75
3	Interception and Diversion (I&D) at Badrinath	7.26	-	7.53
4	Restoration and Reconstruction of Sewerage Scheme due to disaster in Uttarkashi	4.84	-	-
5	Upgradation of 2MLD STP(Gyansu)	10.03	-	-
6	Interception and Diversion (I&D) at Joshimath	9.61	-	27.66
7	Interception and Diversion (I&D) at Gopeshwar	10.18	-	35.63
8	Interception & Diversion and STP at Nandaprayag	6.46	0.15	0.38
9	Interception and Diversion (I&D) and STP at Karnaprayag	12.09	0.35	4.73
10	Upgradation of Existing STP (3.5 MLD) at Srinagar	15.4	-	-
11	I&D and STP at Srinagar	22.51	1	2.30
12	Pollution Abatement works for River Alaknanda (STP creation of 10KLD & 50KLD) at Kirtinagar	4.23	0.06	-
13	STP at Devprayag	3.66	1.40	-
14	Restoration and Reconstruction of Sewerage Scheme due to disaster in Devprayag	4.5	-	-
15	Interception and Diversion (I&D) at Devprayag	7.27	0.23	7.60
16	Sewerage system and STP for Tapovan area	24.12	3.50	11.04
17	Upgradation of STP at Tapovan	2.19	-	-
18	Rising main (500m) and STP of 12.5MLD at Muni Ki Reti	80.45	12.50	3.5
19	Interception and Diversion (I&D)with STP at Rishikesh	158	26	2.5
20	Sewerage Scheme at Triveni Ghat	7.23	-	1.02
21	Upgradation of Existing STP (3.0 MLD) at Swargashram	5.2	-	-
22	Sewerage Scheme at Ahbab Nagar Jwalapur Zone E-2 at Haridwar	24.84	-	13.49
23	Construction of 18 mld STP at Sarai, Haridwar	24.91	18	-
24	Interception and Diversion works at Sarai & Jagjeetpur	116.28	-	17.10
25	Interception and Diversion (I&D) at Arihant Vihar and New Vishnu Garden, Haridwar	4.68	-	3.65
26	Tertiary treatment of existing 27 MLD STP at Jagjeetpur & u/g of existing 18 MLD STP at Sarai	32.65	-	-
27	Sewage Treatment Plant at Jagjeetpur & Sarai	273.37	82	-
	Total	882.89	146.19	140.88



Muni ki Reti- 5MLD



Kassawan Nala- Haridwar



Sarai- Haridwar- 14MLD



Rishikesh Lakkarghat- 26MLD



Muni Ki Reti- 7.5MLD

“Country’s first four storey STP of such large capacity”



Uttarakhand- Projects in Progress

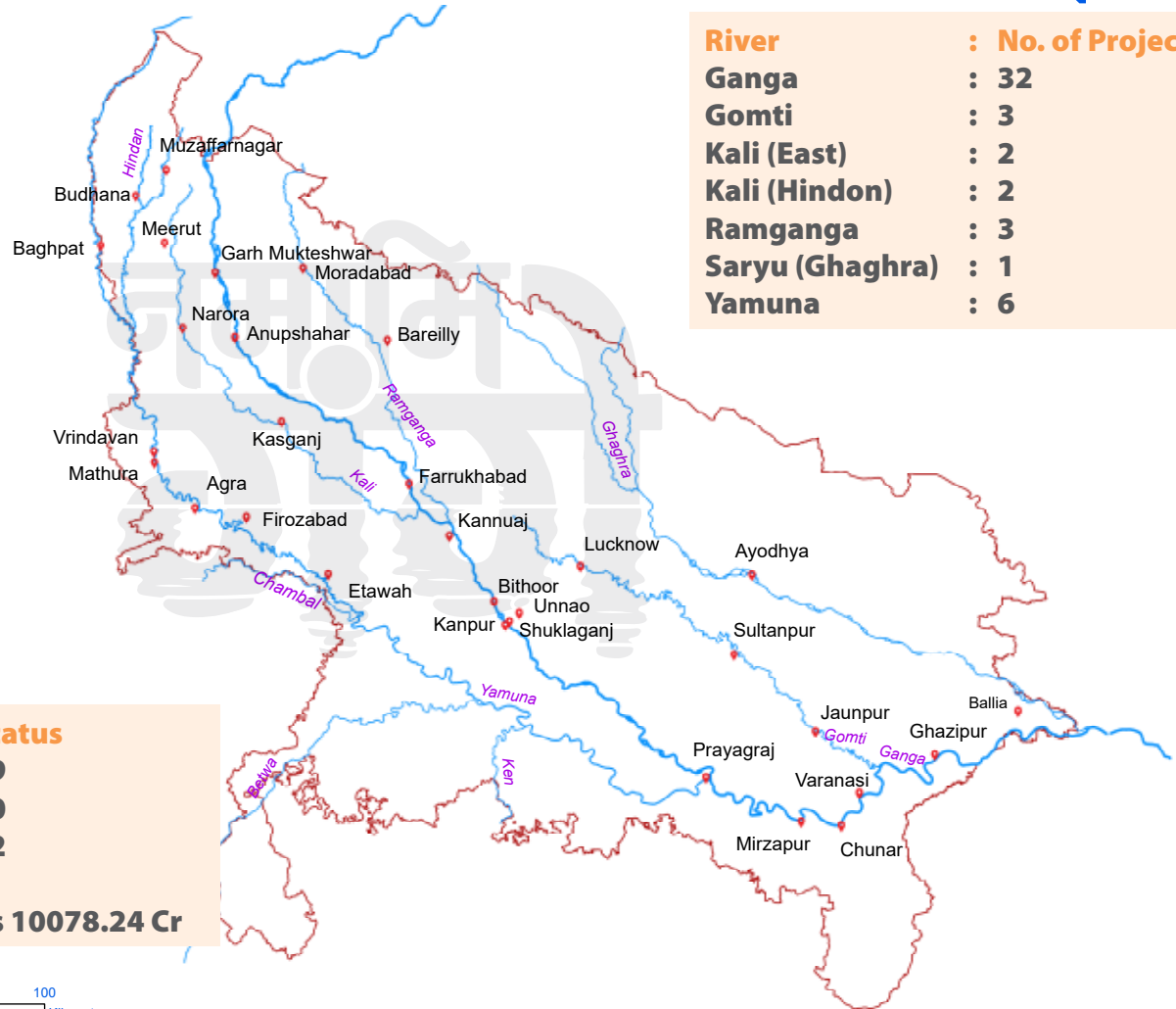
S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity* (MLD)	Sewer Network (Km)
1	Pollution Abatement works (Interception and Diversion with STP) at Badrinath	18.23	1.01	-
2	I&D with STP at Joshimath	48.42	3.78	2.5
3	Interception & Diversion and STP, at Chamoli	61.83	4.38	1.04
4	Interception and Diversion (I&D) and STP at Rudraprayag	13.14	0.53	6.69
5	Pollution Abatement of River Alaknanda at Srikot - Gangnali Part A : (Interception & Diversion with STP), Uttarakhand	7.86	0.13	-
6	Interception & Diversion of Nallas Discharging in Kosi River at Ramnagar, Uttarakhand	55.06	8.50	1.70
7	I&D works for Rispana River and Bindal River in Dehradun, Uttarakhand	63.75	1	30.88
Total		268.29	19.32	42.81

* STPs are operational



Jagjeetpur- Haridwar- 68MLD

Namami Gange Projects in Uttar Pradesh



River	No. of Projects
Ganga	32
Gomti	3
Kali (East)	2
Kali (Hindon)	2
Ramganga	3
Saryu (Ghaghra)	1
Yamuna	6

Snapshot of Projects Status	
Projects	: 49
Completed	: 20
Work in Progress	: 22
Under Tendering	: 7
Sanctioned Cost	: Rs 10078.24 Cr





Salori- 14MLD



Naini- Prayagraj- 80MLD



Kodra- Prayagraj- 10MLD

Uttar Pradesh- Completed Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewerage System & STP works at Garhmuteshwar	46.51	9	69
2	Sewerage works in Anupshahr, Bulandshahr	75.79	2.50	58.88
3	Sewerage Scheme at Narora, Bulanshahr	48.45	4	21.03
4	Sewerage System & STP works (Phase II) at Kannauj (Kali)	43.66	1	62.50
5	Sewerage Scheme & STP at Bithoor, Kanpur Nagar	13.40	2	-
6	Interception/ Diversion of Sisamau Nala of Kanpur city	63.80	-	1.63
7	Sewerage & Non sewerage Schemes for pollution abatement of river ganga at District 'B' & 'E' of Prayagraj	199.26	85	10.88
8	Sewerage & Non sewerage Schemes for pollution abatement of river ganga at District 'A' of Prayagraj	106.08	20	9.24
9	Sewerage work in Sewerage District 'E', Prayagraj	142	-	109.20
10	Sewage Treatment Plant (STP) at Salori (14 MLD), Prayagraj	42.40	14	-
11	Sewer network in District E of Prayagraj - Part 2 (Additional Work) under Component "A"	52.78	-	42.66
12	Sewerage System in Sewerage District 'C' & Allahapur, Prayagraj	170.95	-	134.19
13	Sewerage System with Sewer network in Sewerage District 'B' of Prayagraj	300.84	-	214.88
14	Sewerage works in Sewerage District 'A' of Prayagraj	299.40	-	241.63
15	Construction of interceptor sewers, relieving trunk sewer & rising mains in Varanasi	165.76	-	28

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
16	Construction of 3 pumping stations (Chaukaghat, Phulwariya & Sariya) in Varanasi	39.57	-	-
17	Construction of 140 MLD STP at Dinapur, Varanasi	199.19	140	-
18	Rehabilitation of 5 Ghat pumping stations and STPs at Dinapur & Bhagwanpur in Varanasi	20.52	-	-
19	Rehabilitation of Sewage Infrastructure & Augmentation/ up gradation of Existing STP at Vrindavan	42.82	4	-
20	I&D works for Ayodhya	37.67	-	5
	Total	2110.85	281.50	1008.72



Sisamau Nala (Before)



Sisamau Nala (After)



Masani- Mathura- 30MLD

Uttar Pradesh- Projects in Progress

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Interception, Diversion of drains & Sewage Treatment works at Shuklaganj, (HAM)	65.18	5	0.15
2	Sewerage works in Sewerage District I of Kanpur	430.49	-	401.50
3	STP at Pankha (30 MLD) Kanpur and integration with existing STPs	967.23	160	16.50
4	Interception, Diversion of drains & Sewage Treatment works at Unnao (HAM)	102.20	15	3.30
5	Interception, Diversion & Treatment works for Naini (District G), Phaphamau (District F) & Jhusi area District in Prayagraj (HAM)	767.59	72	13.21
6	Integrated project for development of STPs in Prayagraj along with existing Assets	904	80	-
7	Faecal Sludge management for Pollution abatement at Chunar, Uttar Pradesh	2.70	0.01	-





Trans Yamuna Mathura- 16MLD



Ramana- Varanasi- 50MLD



Ramnagar- 10MLD

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
8	Interception, Diversion of drains & Sewage Treatment works at Ramnagar	72.91	10	0.44
9	Rehabilitation of old trunk sewer in Varanasi	89.95	-	-
10	Non Sewerage, Institutional Development & Other works for Pollution Abatement works in Varanasi	126.20	-	-
11	Sewage treatment Plant for Assi-BHU Sewerage District at Ramana	161.31	50	-
12	Mathura Sewerage Scheme (HAM)	460.45	67.50	-
13	Sewerage Scheme Interception and Diversion (I&D) with STP works at Etawah, Uttar Pradesh	140.60	44.95	75.28
14	Interception and Diversion (I&D) and Sewage Treatment Plant at Bhagpat	77.36	14	2.35
15	Sewerage Scheme Interception and Diversion (I&D) works at Firozabad	51.08	-	2.50
16	Sewerage System & STP works (Phase I) at Moradabad (Ramganga)	279.91	58	264.25
17	I&D works with STP at Moradabad	118.69	25	-
18	Interception and Diversion (I&D) works and STP at Muzaffarnagar, Uttar Pradesh	234.03	87	5.91
19	Interception and Diversion (I&D) works and STP at Budhana, Uttar Pradesh.	48.76	10	1
20	I&D and STP works at Sultanpur, Uttar Pradesh	70.18	17	8
21	Interception & Diversion works and STP at Jaunpur	206.05	30	-
22	I&D and STP works at Kasganj, Uttar Pradesh	76.73	15	2.80
	Total	5453.6	760.46	797.19

Uttar Pradesh- Projects Under Tendering

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Farrukhabad I&D and STP works (HAM)	213.62	35	5.76
2	I&D works and STP, Mirzapur (HAM)	129.08	18	2.07
3	I&D works and STP, Gazipur (HAM)	152.83	21	-
4	Interception & Diversion with Rehabilitation of Sewerage Scheme at Agra	842.25	177.6	11.9
5	Sewerage Scheme Interception and Diversion (I&D) with STP works at Meerut, Uttar Pradesh	690.71	220	-
6	Interception and Diversion (I&D) works with STP at Lucknow, Uttar Pradesh	213.91	82	-
7	Interception and Diversion (I&D) works with STP at Bareilly, Uttar Pradesh	271.39	63	-
	Total	2513.79	616.60	19.73



Numayadahi- Prayagraj- 50MLD



Bhagwanpur- Varanasi- 9.8MLD



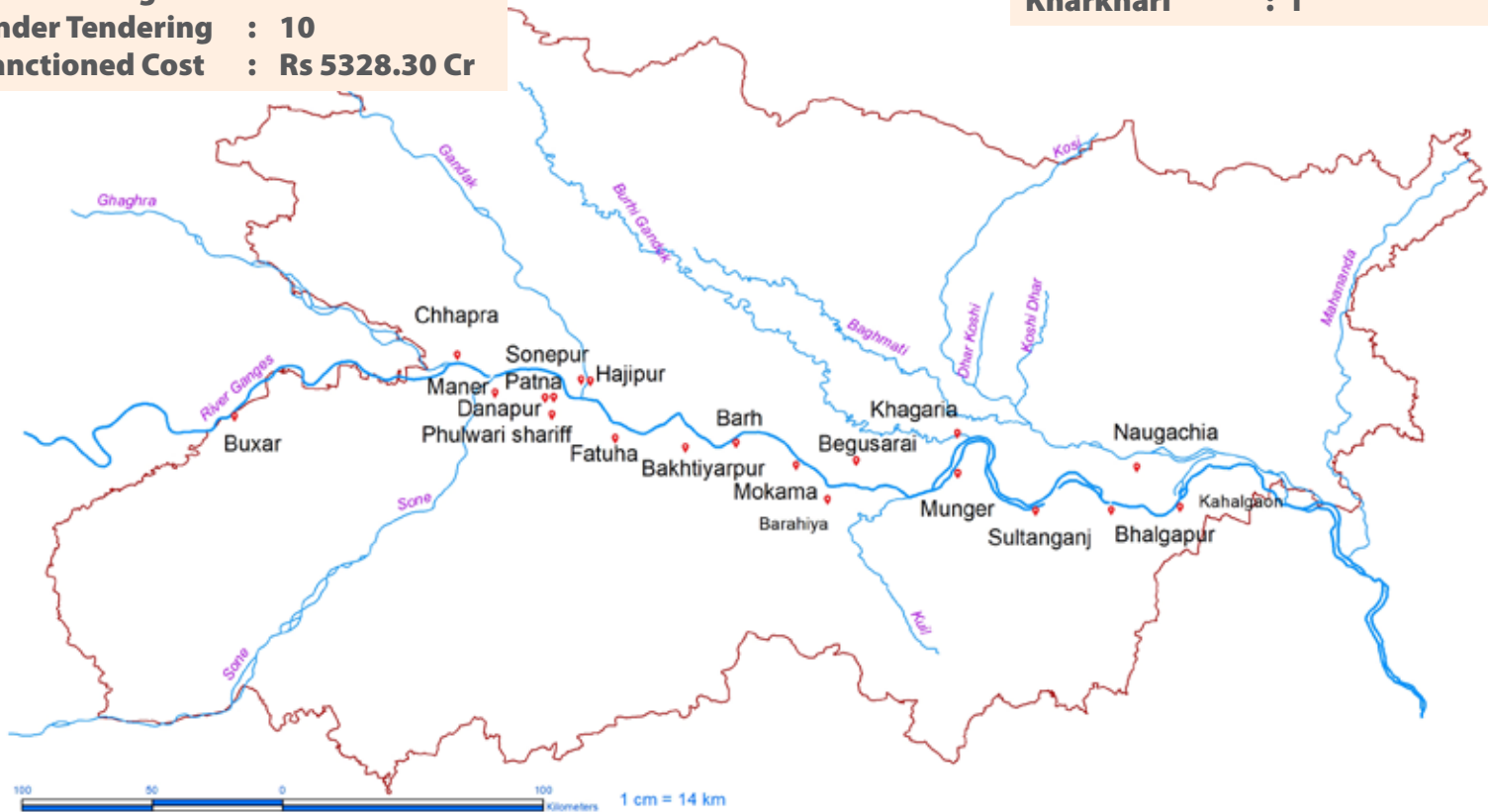
Namami Gange Projects in Bihar



Snapshot of Projects Status

Projects	: 30
Completed	: 2
Work in Progress	: 18
Under Tendering	: 10
Sanctioned Cost	: Rs 5328.30 Cr

River	: No. of Projects
Ganga	: 28
Burhi Gangdak	: 1
Kharkhari	: 1



Bihar- Completed Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewage Treatment Plant - Karmalichak for Patna, Bihar	77.04	37	-
2	Sewage Treatment Plant - Beur for Patna, Bihar	68.16	43	-
	Total	145.2	80	-



Beur STP - 43MLD

Bihar- Projects in Progress

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	I&D and STP at Chappra	236.15	32	18.95
2	Sewerage System and STP for Digha zone, Patna (HAM)	824	100	288
3	Sewerage System and STP for Kankarbag zone, Patna (HAM)	578.89	50	150
4	Sewerage system with Sewer network, Patna Beur	225.77	-	179.74
5	Saidpur STP and adjoining Network for Patna, Bihar	184.93	60	55.10
6	Saidpur Sewer Network, Patna, Bihar	268.63	-	172.50
7	Sewerage scheme at Pahari Zone V, Patna, Bihar	356.37	-	115.93
8	Sewerage scheme at Pahari (Zone IVA (S)), Patna, Bihar	184.86	-	87.69
9	Sewerage Treatment Plant at Pahari - Patna, Bihar	191.62	60	-
10	Sewerage system with Sewer network, Patna Karmalichak	277.42	-	96.54
11	I&D works with STP at Sonapur	30.93	3.5	-
12	I&D and STP at Bakhtiyarpur	35.88	10	-



Karmalichak STP - 37 MLD



Saidpur STP- 60MLD



S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
13	I&D and STP for Barh town	58.26	11	4.44
14	Mokama I&D and STP works	60.91	8	-
15	Sewer Network, SPS and STP, Begusarai	230.06	17	114
16	Sultanganj I&D and STP works	60.22	10	-
17	I&D and STP works for Naugachia	60.79	9	17.81
18	Interception and Diversion (I&D) with STP at Maner, Bihar	41.36	6.5	3
Total		3907.05	377	1303.70

Bihar- Projects Under Tendering

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewer Networks, SPS and STP at Buxar	164.23	16	106.06
2	Danapur I & D and STP project	103.27	25	6.90
3	Sewer Networks, SPS and STP, Hajipur	305.19	22	189.30
4	I&D and STP at Fatuha	35.49	7	-
5	I&D and STP scheme in Barhaiya	27	6	-
6	Sewer Networks, SPS and STP, Munger	294.02	30	174.75
7	I&D and STP works for Bhagalpur (HAM)	254.13	45	-
8	I&D and STP scheme in Kahalgaon	25.77	6	-
9	Interception and Diversion and STP works in Phulwarishariff	46.25	13	6.40
10	I&D and STP at Khagaria	21	4.50	-
Total		1276.35	174.50	483.41



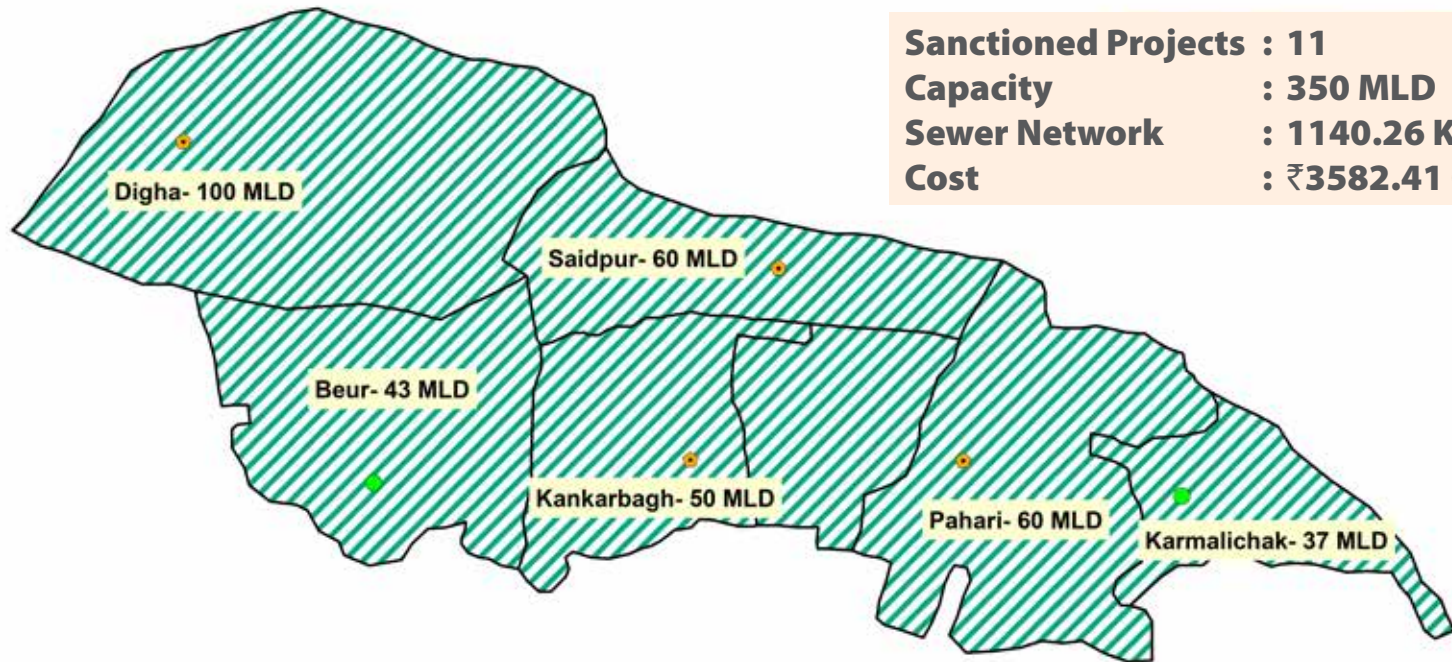
Pahari STP - 60MLD



Mokamah STP - 8MLD



Sewerage Projects in Patna




Sanctioned Projects : 11
Capacity : 350 MLD
Sewer Network : 1140.26 Km
Cost : ₹3582.41 Cr

STP

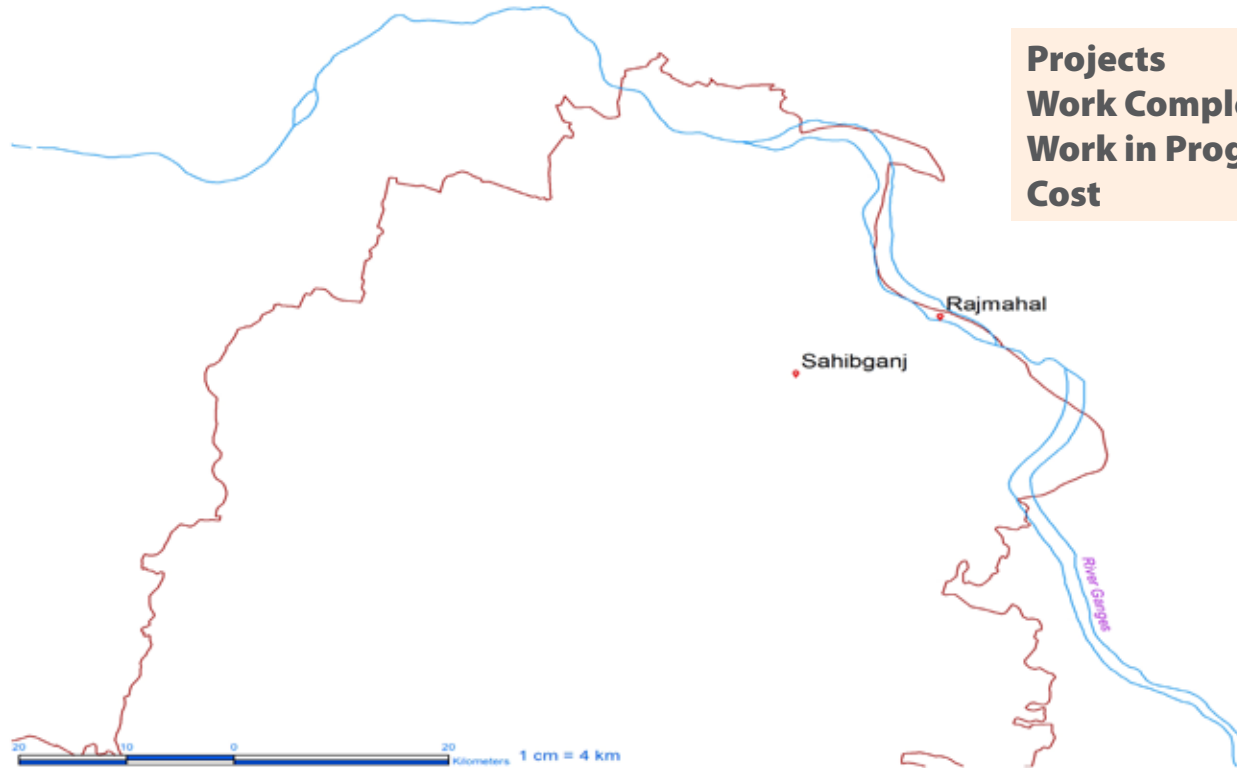
- Completed : 2 projects
- Under Execution : 9 projects

Project Status

 Under Execution: Sewerage Projects in Beur, Saidpur, Karmalichak, Pahari, Digha & Kankarbagh



Namami Gange Projects in Jharkhand



Projects : 02
Work Completed : 01
Work in Progress : 01
Cost : ₹156.12 Cr

Jharkhand- Completed Project

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewerage Scheme & STP works at Sahibganj	99.36	12	55

Jharkhand- Projects in Progress

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewerage Scheme & STP works at Rajmahal	56.76	3.5	34.21



Sahibganj- 5MLD



Sahibganj- 7MLD



Rajmahal- 3.5MLD STP



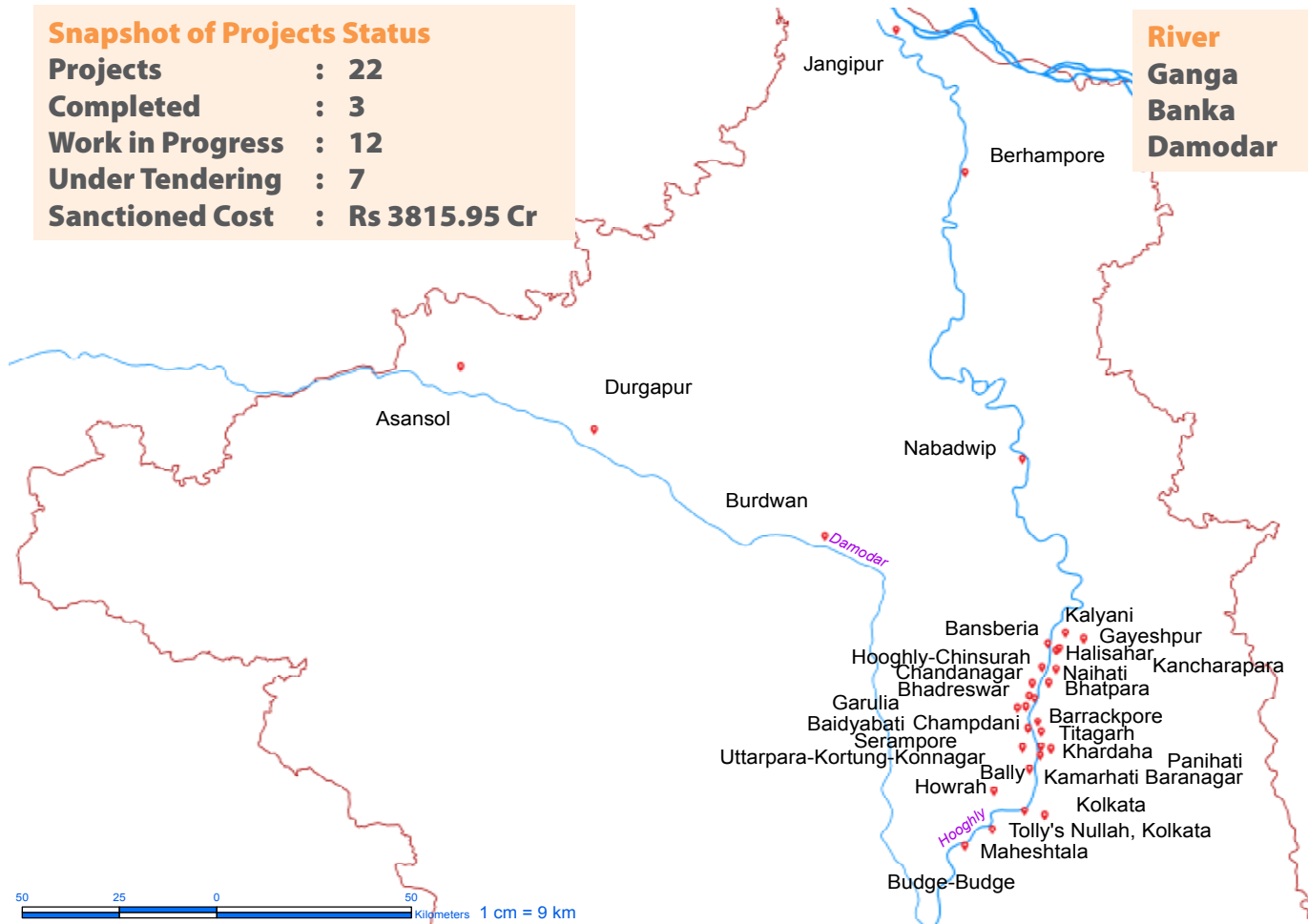
Namami Gange Projects in West Bengal



Snapshot of Projects Status

Projects	: 22
Completed	: 3
Work in Progress	: 12
Under Tendering	: 7
Sanctioned Cost	: Rs 3815.95 Cr

River	: No. of Projects
Ganga	: 19
Banka	: 1
Damodar	: 2



West Bengal- Completed Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewerage Scheme & STP works at Gayeshpur	168.67	8.23	61
2	Sewerage Scheme & STP works at Kalyani	57.87	21	46.33
3	Sewerage Scheme & STP works at Bhatpara	228.52	31	125
	Total	455.06	60.23	232.33



Bhatpara- 10MLD

West Bengal- Projects in Progress

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	I&D works with STP at Jangipur	68.47	13	11.38
2	Interception, diversion & treatment works at Nabadwip	61.23	20	4
3	Interception, Diversion & treatment works at Behrampore	51.21	3.5	5.25
4	I&D and STP works at Kanchrapara, West Bengal	48.77	18	2.50
5	Sewerage System & STP works at Halishahr	274.76	16	226.99
6	Sewerage System with sewer network at Barrackpore	272.32	24	247.14
7	Rejuvenation of Existing STPs & pumping station including sewerage sewerage network at North 24 Parganas Dist., West Bengal	65.54	46.24	-
8	Interception, Diversion & treatment works at Baranagar & Kamarahati (HAM)	172.1	60	9
9	Interception & Diversion with STP at Bally (HAM)	164.93	40	-
10	Interception, Diversion & treatment works at Howrah (HAM)	185.22	65	-
11	Integration of STPs with rehabilitation and O&M of existing Assets	165.16	102	-
12	Sewerage System & STP works at Budge-Budge	145.98	9.3	131.59
	Total	1675.69	417.04	637.85



Kalyani- 21MLD



Gayeshpur- 27MLD



West Bengal- Projects Under Tendering

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Interception & Diversion with STP at Hughly-Chinsurah (HAM)	160	29.30	20
2	Rejuvenation of exiting STPs along with lifting station & pumping station including sewerage network at Hooghly Dist., West Bengal	86.61	78.9	0
3	Interception, Diversion & treatment Works at Tolly's Nullah (Adi Ganga) (HAM)	307.12	26.1	114
4	Interception & Diversion with STP at Maheshtala (HAM)	224.69	35	0
5	Interception and Diversion (I&D) works with STP, for drains falling in River Damodar, at Durgapur, West Bengal	287.53	80	11.39
6	Detailed Project Report for I&D sewerage system & STP for Asansol & Kulti towns, West Bengal	384.96	95	4.5
7	I&D and STP works at Burdwan, West Bengal	234.31	50	19
Total		1,685.22	394.30	168.89



Halishahar- 16MLD

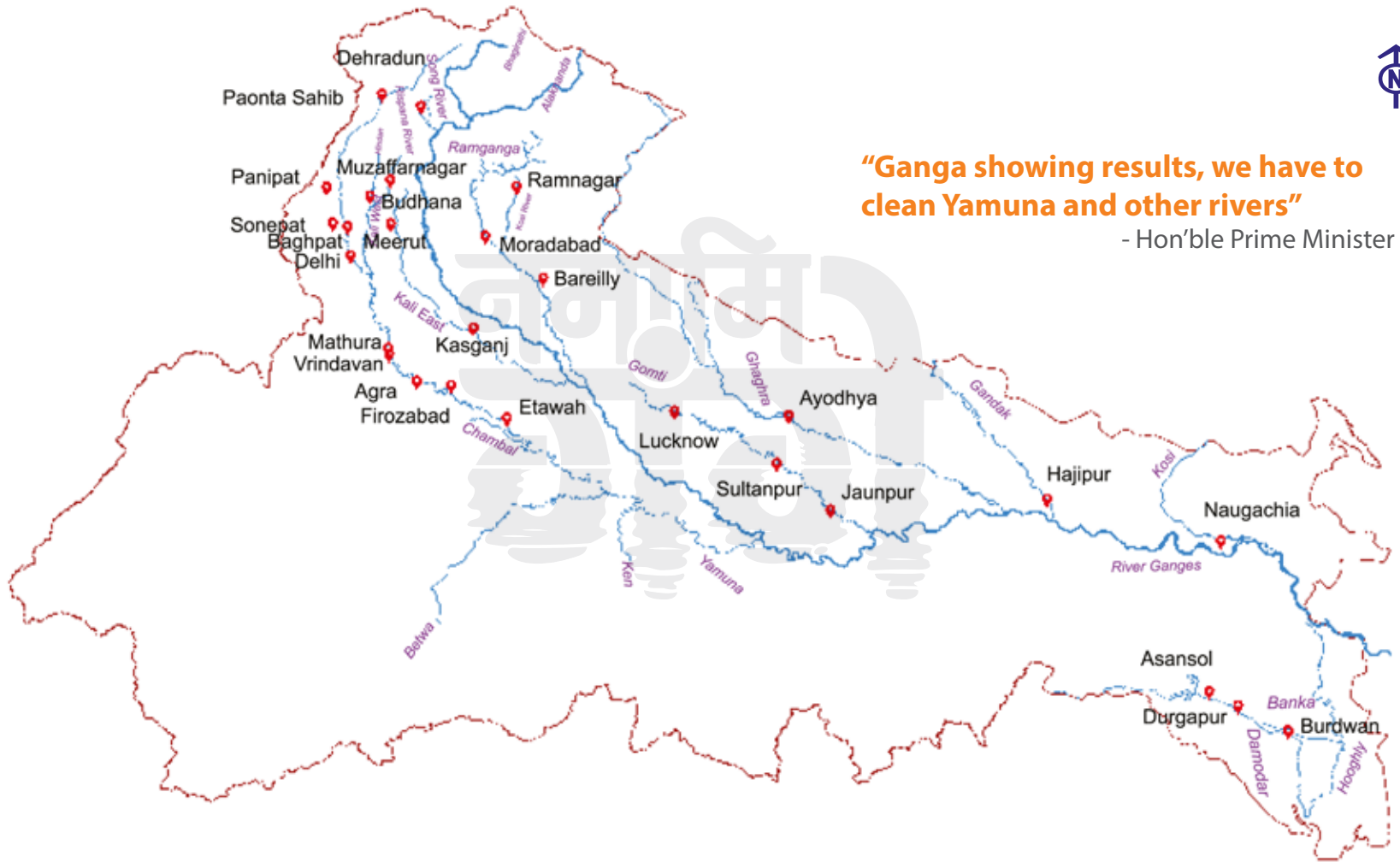


Barrackpore- 18MLD



Budge Budge- 9.3MLD

Status of Sewerage Infrastructure on Tributaries



Summary of Projects Taken up on Tributaries

S. No.	Tributary	No of Towns	Town Names	No of Projects	Sanctioned Cost (In Cr)	STP Capacity (MLD)
1	Yamuna	10	Delhi, Panipat, Sonapat, Agra, Mathura, Vrindavan, Baghpat, Firozabad, Etawah, Paonta Sahib	20	4,205.08	1839.07
2	Ramganga	2	Bareilly, Moradabad	3	669.99	146
3	Gomti	3	Sultanpur, Jaunpur, Lucknow	3	490.14	129
4	Kali (East)	2	Kasganj, Meerut	2	767.44	235
5	Hindon	2	Budhana, Muzaffarnagar	2	282.79	97
6	Saryu (Ghaghra)	1	Ayodhya	1	37.67	-
7	Damodar	2	Durgapur, Asansol	2	672.49	175
8	Banka	1	Burdwan	1	234.31	50
9	Kosi	1	Ramnagar	1	55.06	8.5
10	Rispana & Bindal	1	Dehradun	1	63.75	1
11	Kharkari	1	Naugachia	1	60.79	9
12	Burhi Gandak	1	Khagaria	1	21.00	4.5
	Total	27		38	7560.51	2,694.07



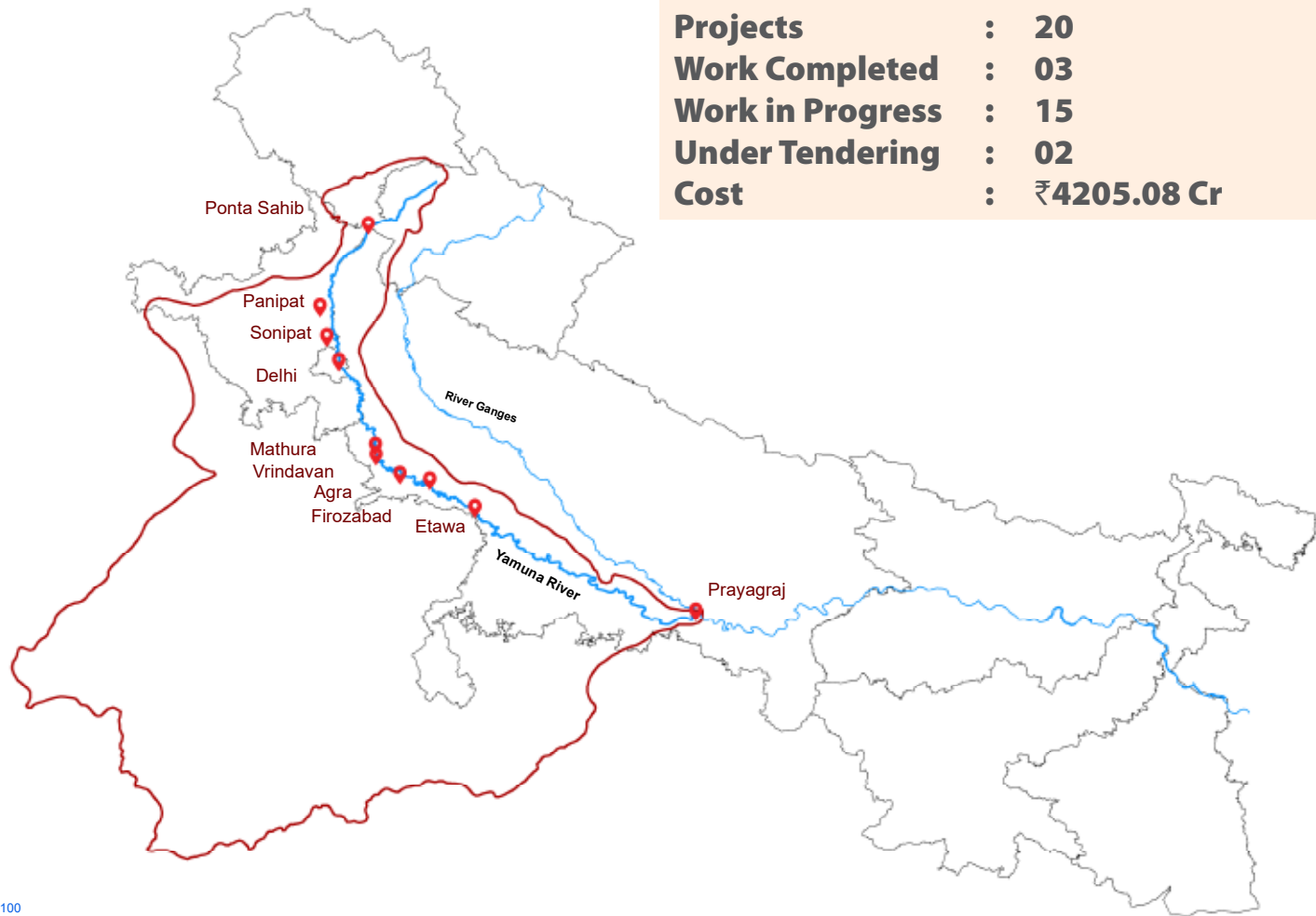
IPS at Ayodhya



Vrindavan STP- 4MLD

Namami Gange Projects on Yamuna

Projects	:	20
Work Completed	:	03
Work in Progress	:	15
Under Tendering	:	02
Cost	:	₹4205.08 Cr



100 50 0 100
Kilometers 1 cm = 52 km



Details of Projects on Yamuna

Himachal- Ongoing Project

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewerage Scheme for Zone-II and III of Paonta Town, Himachal Pradesh	11.57	1.72	0

Haryana- Completed Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Sewerage and Sewage Treatment Plant (STP) at Panipat	129.51	90	24.16
2	Sewerage and Sewage Treatment Plant (STP) at Sonapat	88.36	55	16.78
	Total	217.87	145	40.94

Uttar Pradesh- Completed Project

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Rehabilitation of Sewage Infrastructure & Augmentation/ up gradation of Existing STP at Vrindavan	42.82	4	0

Uttar Pradesh- Ongoing Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Mathura Sewerage Scheme (HAM)	460.45	67.50	0
2	Sewerage Scheme Interception and Diversion (I&D) with STP works at Etawah, Uttar Pradesh	140.60	44.95	75.28
3	Interception and Diversion (I&D) and Sewage Treatment Plant at Bhagpat	77.36	14	2.35
4	Sewerage Scheme Interception and Diversion (I&D) works at Firozabad	51.08	-	2.50
	Total	729.49	126.45	80.13

Uttar Pradesh- Under Tendering Project

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Interception & Diversion with Rehabilitation of Sewerage Scheme at Agra	842.25	177.6	11.9

Delhi- Ongoing Projects

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	7 Nos .prioritized STPs, 1 No. SPS & Peripheral Sewers in Command area of Najafharh Drain (Dhansa to Keshopur)	344.81	94	90
2	Construction of 318 MLD WWTP with 10 years O&M at Coronation Pillar, Delhi	515.07	318	80
3	Rehabilitation of Trunk Sewer No.4 (K1)	87.43	0	8.49
4	Rehabilitation of Trunk Sewer No.5 (K2)	83.40	0	7.71
5	Rehabilitation and upgradation of Kondli Phase-I STP (45 MLD), Phase-II STP (114 MLD) & Phase-III STP (45 MLD) - (K3)	239.11	204	0
6	Rehabilitation of Rising Mains - (K4)	59.13	0	8.13
7	Rehabilitation of Trunk Sewers (R1a)	43.92	0	5.09
8	Rehabilitation of Rising Main (R1b)	45.40	0	6.16
9	Rehabilitation and up-gradation of Phase-I STP (182 MLD) (R2)	211.79	182	0
10	Construction of 564 MLD (124 MGD) Waste Water Treatment Plant (WWTP) on DBO basis at Okhla on Turnkey Basis and Demolition of Existing 136 MLD (Phase-I), 55 MLD (Phase-II), 204 MLD (Phase-III) and 168 MLD (Phase-IV) WWTPs	665.78	564	0
Total		2295.84	1362	205.58

Delhi- Under Tendering Project

S. No.	Project Name	Sanctioned Cost (Rs. In Cr.)	STP Capacity (MLD)	Sewer Network (Km)
1	Decentralized STPs and Water Bodies Rejuvenation – Chattarpur Assembly Constituency	65.24	22.5	0



Panipat- 20MLD STP



Coronation Pillar- 318MLD STP

Industrial Pollution Control

1072 GPIs on Mainstem of river Ganga and major tributaries inspected during April'19 to Nov'19 through special drive by 16 technical institutes.

As on 16th June 2020

Total GPIs identified	1072
Total GPI inspected	726 (346 tanneries closed by UPPCB)
Total GPIs identified	611
Self Closed	129
No of GPIs complying	377
No of GPIs non-complying	105
Show cause notice/ compliance directions issued for non compliance	95
Closure directions issued for non-compliance	10
No of GPIs having OCEMS connectivity established with CPCB server	799

INDUSTRIAL SECTOR DEVELOPMENT

Tannery

Work Started on 20MLD CETP at Jajmau Kanpur sanctioned at the cost of Rs 617.025 Crore with adoption of cleaner process and reduced water consumption.

Upgradation of CETP sanctioned for tannery cluster of Unnao & Banther

Paper and Pulp

Zero black liquor discharge achieved. Upgradation of process technology has led to reduction in fresh water consumption and overall waste water discharge

Distillery

Zero liquid discharge achieved in molasses based distilleries

Sugar

Charter implementation and upgradation of process technology has led to reduction in fresh water consumption, effluent generation and BOD load in sugar industries

Textile

Upgradation of CETP system and installation of flow meter at various unit process has led to reduction in pollution load

WATER QUALITY MONITORING

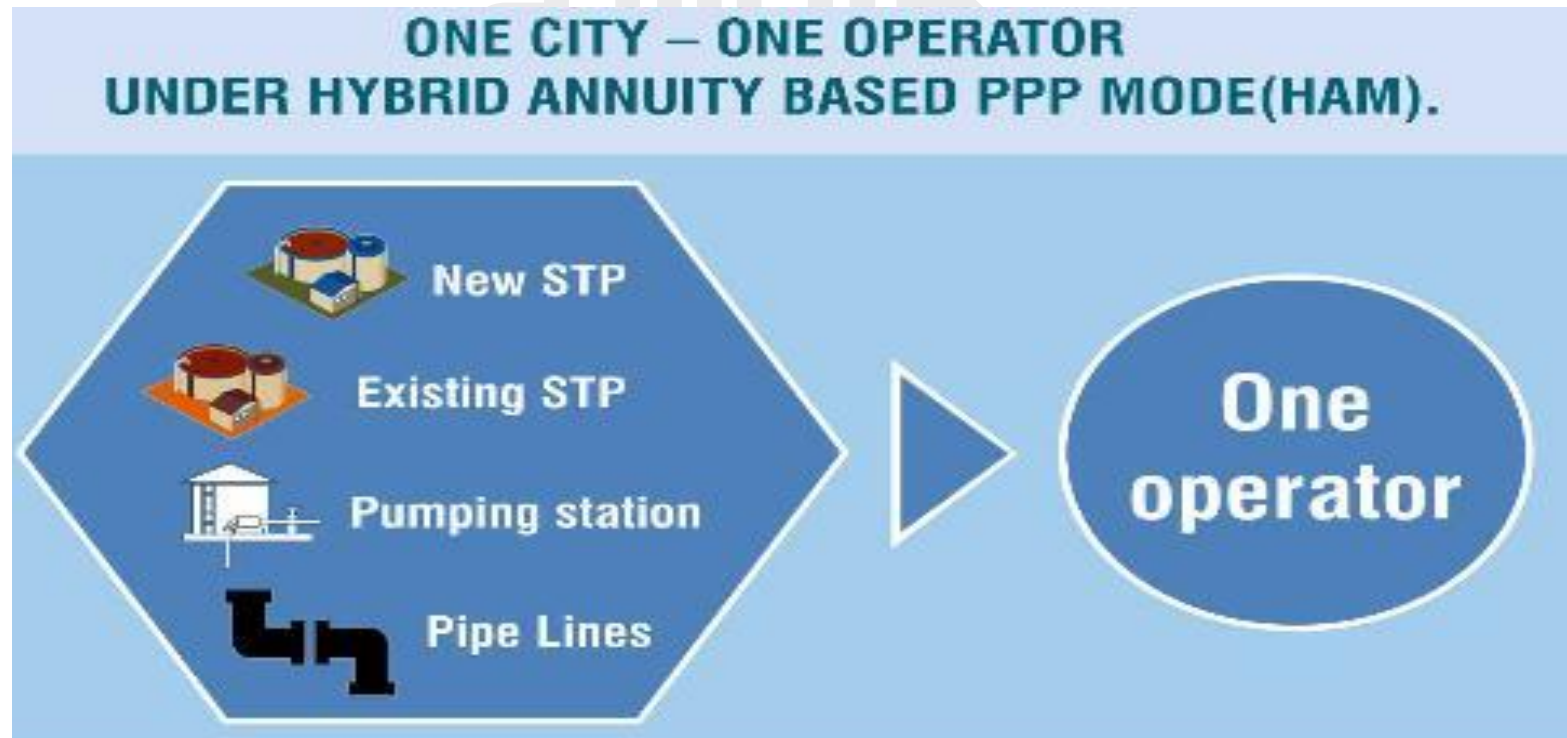
97 manual and 36 real time Water Quality Monitoring Stations are operational to maintain water quality.

HYBRID ANNUITY BASED PUBLIC PRIVATE PARTNERSHIP (PPP) MODEL FOR CREATION OF SEWAGE TREATMENT INFRASTRUCTURE

- Hybrid Annuity Model (HAM) introduced for ensuring and long term satisfactory performance of sewage infrastructure.
- Construction linked payments - 40% of capital cost
- Performance linked payments - 60% Capital cost as quarterly annuity alongwith interest on balance outstanding and O&M cost for 15 years.

ONE CITY ONE OPERATOR

- Paradigm shift in the sector - one stop solution for sewage treatment in the entire city
- Integration of new and existing sewage treatment infrastructure under HAM



Solid Waste Management

Ghat Cleaning

NMCG is supporting Ghat Cleaning activities at Haridwar, Bithoor, Kanpur, Prayagraj, Mathura-Vridavan and Varanasi at an estimated cost of Rs. 44.81 crore.



River Surface Cleaning

Trash Skimmers have been deployed to clean surface of Yamuna Stretch in Delhi



Rural Sanitation

- NMCG supplementing efforts of Department of Drinking Water & Sanitation in ensuring sanitation in Ganga villages.
- All 4465 Ganga bank villages declared ODF - 11 lakh Independent Household Latrines (IHHL)- (Rs 829cr)
- Need based Liquid Waste Management in Ganga villages - Rs. 124 cr. Released
- Future Activities in SBM (Grameen) 2.0



पवनः पवतामस्मि रामः शस्त्रभृतामहम् ।
झषाणां मकरश्वास्मि स्रोतसामस्मि जाह्नवी ॥

अर्थात्

मैं पवित्र करने वालों में वायु हूँ और शस्त्रधारियों में राम हूँ तथा मत्.
स्थों (जलचरों) में मैं मगरमच्छ और नदियों में मैं गंगा हूँ ॥

AVIRAL GANGA

**“to ensure that
sediments, nutrients
and other natural
constituents are
continous & adequate
throughout the river
network”**

Sustainable and Eco-Agriculture to Rejuvenate River Ganga

Sustainable agriculture is important for Ganga rejuvenation in ensuring Nirmalta as well as Aviralta. Developing sustainable agri-scapes in the basin and improving water use efficiency are important steps taken in partnership with the Ministry of Agriculture & Farmers' Welfare along with promoting organic and natural farming in Ganga Grams.

Sustainable Agriculture

- Integrated project for Medicinal Plantation – 10 Districts, 180 Gram Panchayats, 60 clusters, 2500 Ha area for Rs. 35.46 Cr. in Uttar Pradesh
- NMPB to develop 800 Ha corridor of Medicinal Plantation along Ganga
- Special programme of organic farming on 5 Kms stretch along both sides of Ganga
- Rudraksh Plantation in Uttarakhand with INTACH
- Demand Side Management of water in Ganga Basin to increase Water Use Efficiency

Afforestation

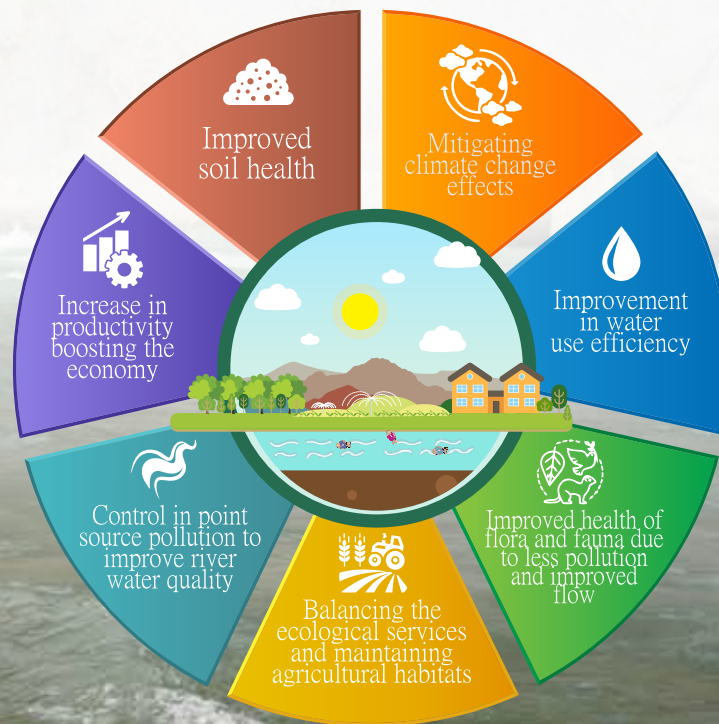
Afforestation along Ganga on scientific plan of FRI for Natural urban & Agri-riverscape.

Biodiversity

- Scientific habitat & species conservation with community participation by Wildlife Institute of India
- Research and promotion of native fish species and improving their migration along the river with CIFRI

Wetland Conservation

Development of integrated management plan for conservation of wetlands along river Ganga.



Afforestation

National Mission for Clean Ganga (NMCG) under the Namami Gange Programme is implementing Forestry Interventions in Ganga. FRI, Dehradun has prepared afforestation plan of 1.34 lakh hectares at an estimated cost of Rs 2294 Crores

NMCG has allocated funds under afforestation and biodiversity component of Namami Gange Programme to the tune of Rs. 337.20crs. for the period FY 2016-2020 to the five Ganga States viz. Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal for plantation. As per the FRI DPR, out of 1,34,104 hectares 26,764 ha. Plantation has been carried out under Namami Gange scheme by the State forest departments till FY 2019-20.

2016-20			
S.No.	State	Area planted so far (in ha.)	Fund sanctioned by NMCG from yr. 2016-20 (Rs. in Cr.)
1	Uttarakhand	8295	85.62
2	Uttar Pradesh	7531	102.85
3	Bihar	4836	73.86
4	Jharkhand	636	29.41
5	West Bengal	5466	45.46
Total		26764	337.2

Ganga Vriksharopan Abhiyan for intensive plantation in collaboration with State programmes like: Ganga Haritma Abhiyan (Uttar Pradesh), Har Parisar Hara Parisar (Bihar), Harela (Uttarakhand), Van Mohtsav (Jharkhand & West Bengal).



Biodiversity Conservation for Ganga Rejuvenation

Biodiversity conservation - important component being natural indicator for pristine Ganga.

Collaboration for Biodiversity conservation with premier institutes.

- Wildlife Institute of India (WII), Dehradun
- ICAR-Central Inland Fisheries Research Institute (CIFRI), Kolkata
- Centre for Environment Education (CEE)

Projects for Biodiversity conservation

- Aqualife Research & Monitoring
- Training & Capacity building
- Community participation for Conservation
- Fish & fishery research & restoration

Ganga Praharis are self-motivated individuals who will mobilize others in Ganga conservation efforts. The Ganga Praharis are being trained for ecological monitoring of Ganga river and its biodiversity, tree plantation techniques, awareness generation and community mobilization.



Wetland Mapping and Conservation

- ◆ Groundwater recharge through wetland
- ◆ Formation of State Wetland Authority
- ◆ Detailed Conservation Plans of 226 wetlands in Uttar Pradesh
- ◆ Similarly wetlands identified in Uttarakhand for conservation plan
- ◆ Developing a toolkit for urban water bodies/ wetland management by SPA Delhi with pilot study of Bhagalpur, Bihar
- ◆ 6 new Ramsar sites notified (2020) in Uttar Pradesh

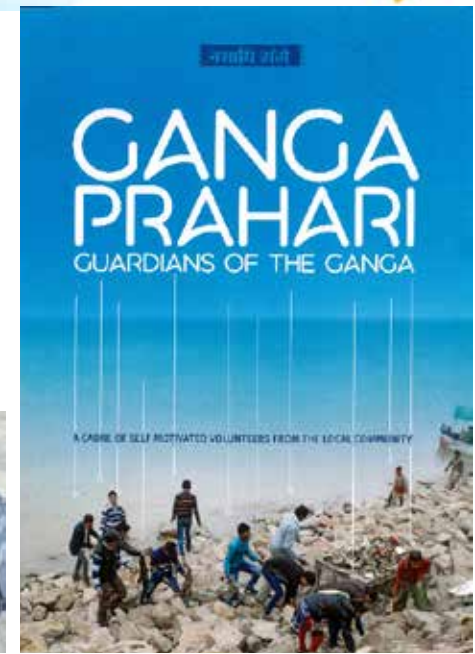


BIODIVERSITY CONSERVATION OUTCOMES



Baseline survey completed; State of Biodiversity published

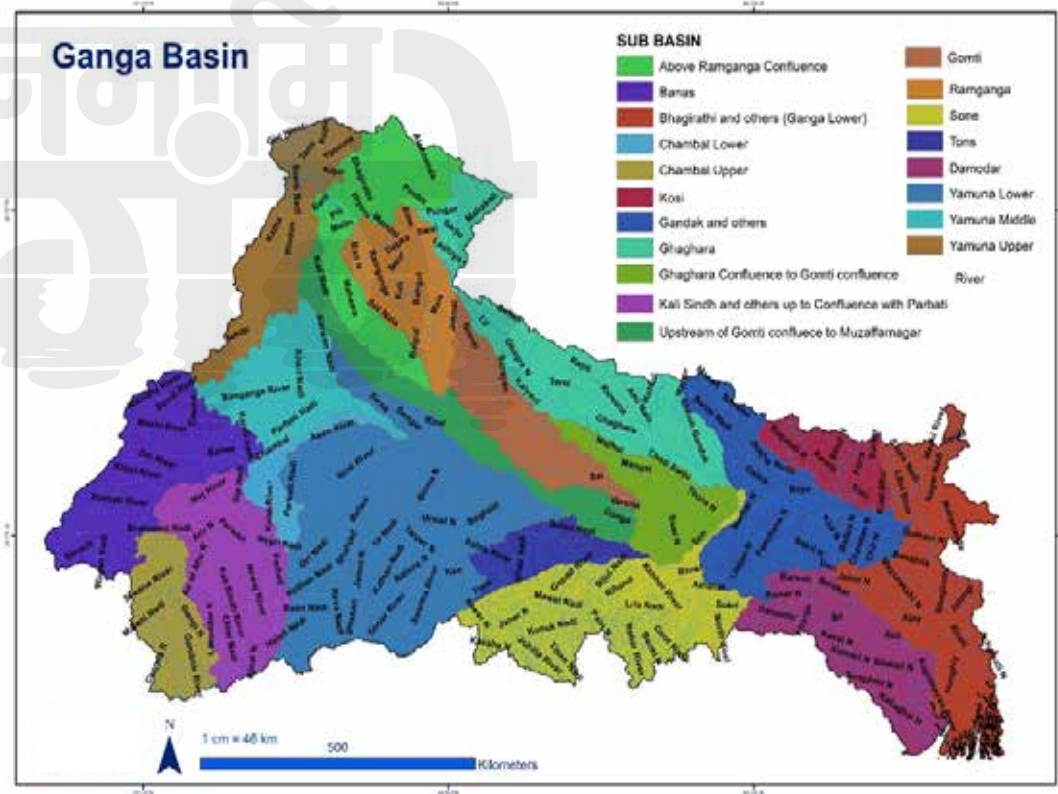
- More than 50% of the river Ganga has high biodiversity value.
- Six stretches of the river identified for biodiversity conservation & restoration.
- Ganga Aqualife Monitoring Centre established.
- Two fully functional rescue and rehabilitation centres established at Narora & Sarnath.
- Over 1000 *Ganga prahari* trained to support Ganga Rejuvenation.
- Publications on iconic species developed for outreach activities.
- 20 lakhs fish fingerlings ranched.
- Research on migratory behaviour of the Hilsa.
- Fishermen sensitized to adopt sustainable fishing practices.
- *Encouraged by the successful conclusion of the phase-I project, a more comprehensive project under phase II has been accorded to WII at a cost of Rs. 113.99 Cr. for scaling up the research over the entire Ganga basin in next five years.*




Small River Rejuvenation

1. Activities involving rejuvenation of small rivers which are tributaries of Ganga have been dovetailed with MNREGA
2. A GIS based inventory of all rivers along with districts have been created
3. Aimed at generating employment opportunities for the returning migrant labours
4. Total of 73 districts have been identified in Uttar Pradesh, Bihar, Jharkhand, Madhya Pradesh and Rajasthan
5. The activities includes:

- (i) Desilting of small kunds, ponds, bawaris etc
- (ii) Construction of embankments
- (iii) Construction of water harvesting and storage structures
- (iv) Afforestation
- (v) Bank Protection





त्वत्तीरे तरुकोटारान्तर्गतो गंगे विहंगो वरं
त्वन्नीरे नरकान्तकारिणि वरं मत्स्योथवा कच्छपः ।

अर्थात्

इसका अर्थ यह है कि अन्य तीर्थों में स्नान करते समय भी गंगा का नाम ही लोग जपा करते हैं , गंगा के बिना अन्य कौन पाप धोने में समर्थ है? अग्निपुराण के मतानुसार तीर्थ के जल से गंगाजल का जल अधिक श्रेष्ठ है ।

JAN GANGA

“to enhance public awareness, promote people river connect, large scale participation and involvement of community and common masses”

RIVER FRONT DEVELOPMENT (RFD), GHATS & CREMATORIA

PATNA RFD

Cost: ₹ 336.73 Cr.

No. of Ghats : 20 Promenade: 6.6 km

Crematoria: 1

Expenditure	: ₹303.09 Cr
Ghat Completed	: 16
Promenade Completed	: 4.9 km
Crematoria Completed	: 1



Chandi Ghat, Haridwar

CHANDI GHAT RFD HARIDWAR

Cost	: Rs 69.18 Cr
Bathing Ghat	: 630m long
Cremation Ghat	: 140m long
Physical Progress	: Completed



GHATS AND CREMATORIA (OVERALL)

S.No	State	No. of Projects	No. Of			Sanctioned Cost (in Cr)	Revised Cost (in Cr)	Status					
			Ghats (G)	Crematoria (C)	Total (T)			Completed		Under Progress		Under Tendering	
								G	C	G	C	G	C
[I] NGP Projects													
1	Uttarakhand	9	22	23	45	283.67	197.38	21	22	1	1	-	-
2	Uttar Pradesh	14	87	11	98	668.48	340.07	86	11	1	-	-	-
3	Bihar	12	25	6	31	194.49	111.57	10	-	15	4	-	2
4	Jharkhand	4	13	3	16	70.76	62.07	11	3	2	-	-	-
5	West Bengal	4	9	3	12	21.00	16.77	6	-	3	3	-	-
A	Sub Total	43	156	46	202	1238.40	727.86	134	36	22	8	-	2
[II] Clean Ganga Fund													
1	Uttarakhand	3	1	2	3	35.81	35.81	-	2	1	-	-	-
2	Uttar Pradesh	1	7	3	10	27.41	27.41	-	1	7	2	-	-
3	Bihar	2	9	1	10	43.71	43.71	-	-	9	1	-	-
4	West Bengal	1	7	-	7	5.00	5.00	-	-	7	-	-	-
B	Sub Total	7	24	6	30	111.93	111.93	-	3	24	3	-	-
[III] CSR													
1	Uttarakhand	1	2	1	3	26.64	26.64	-	-	2	1	-	-
C	Sub Total	1	2	1	3	26.64	26.64	-	-	2	1	-	-
D	Grand Total (A+B+C)	51	182	53	235	1376.97	866.43	134	39	48	12	-	2



VIP Ghat, Garhmukteshwar

UTTARAKHAND GHATS AND CREMATORIA DETAILS

	No. of Projects	No Of			Sanctioned Cost (in Cr)	Status					
		Ghats (G)	Crematoria (C)	Total (T)		Completed		Under Progress		Under Tendering	
						G	C	G	C	G	C
NGP Projects	9	22	23	45	197.38	21	22	1	1	-	-
CGF	3	1	2	3	35.81	-	2	1	-	-	-
CSR	1	2	1	3	26.64	-	-	2	1	-	-
Total	13	25	26	51	259.83	21	24	4	2	-	-

Ghats

S. No.	District/ Town	Name of Ghat	S. No.	District/ Town	Name of Ghat
1	Pauri Garhwal	Phool Chatti	14	Uttarkashi	Jad-Bharat
2	Pauri Garhwal	Ramkund	15	Uttarkashi	Kedar
3	Tehri Garhwal	Bharat Ghat	16	Uttarkashi	Heena
4	Tehri Garhwal	Kirtinagar -Old Ganga	17	Tehri Garhwal	Koteshwar
5	Tehri Garhwal	Kirtinagar-New Ganga	18	Uttarkashi	Nageshwar Dham
6	Pauri Garhwal	Srinagar Nathani	19	Rudraprayag	Koteshwar Mahadev
7	Rudraprayag	Renovated Ghat-1	20	Rudraprayag	Karnprayag
8	Rudraprayag	Renovated Ghat-2	21	Chamoli	Nandprayag Bathing Ghat 02
9	Rudraprayag	Ghat-1 on Alaknanda D/S of Main Bridge (RHS)	22	Maneri	Bathing Ghat
CGF					
10	Rudraprayag	Ghat-2 on Alaknanda D/S of Main Bridge (LHS)	23	Haridwar	Har ki Pauri
CSR					
11	Haridwar	Balawali	24	Uttarkashi	Badrinath Bathing Ghat
12	Haridwar	Chandi Ghat	25	Uttarkashi	Gangotri Bathing Ghat
13	Uttarkashi	Manokamna			





Phool Chatti, Pauri Garhwal



RHS Ghat, Rudraprayag

Crematoria

S. No.	District/ Town	Name of Crematoria
1	Pauri Garhwal	Phool Chatti
2	Pauri Garhwal	Sangam Ghat - Alaknanda
3	Tehri Garhwal	Sangam Ghat
4	Pauri Garhwal	Kirtinagar - Ufanda Village
5	Pauri Garhwal	Srinagar ITI
6	Pauri Garhwal	Srinagar Nathani
7	Rudraprayag	Mandakani River
8	Haridwar	Shampur
9	Haridwar	Bhogpur
10	Haridwar	Balawali
11	Haridwar	Chandi Ghat
12	Uttarkashi	Kedar
13	Uttarkashi	Heena
14	Tehri Garhwal	Koteswar
15	Uttarkashi	Dunda
16	Rudraprayag	Gholtir
17	Chamoli	Gaucher
18	Chamoli	Karnprayag
19	Chamoli	Karnprayag
20	Chamoli	Umarkot
21	Chamoli	Nandprayag
22	Chamoli	Chamoli
23	Maneri	Cremation Ghat
CGF		
24	Haridwar	Kankhal
25	Haridwar	Kharkhadi
CSR		
26	Uttarkashi	Gangotri Cremation Ghat

UTTAR PRADESH GHATS AND CREMATORIA DETAILS

	No. of Projects	No Of			Sanctioned Cost (in Cr)	Status					
		Ghats (G)	Crematoria (C)	Total (T)		Completed		Under Progress		Under Tendering	
						G	C	G	C	G	C
NGP Projects	14	87	11	98	340.08	86	11	1	-	-	-
CGF	1	7	3	10	27.41	-	1	7	2	-	-
Total	15	94	14	108	367.49	86	12	8	2	-	-

Ghats

S. N.	District/ Town	Name of Ghat	S. N.	District/ Town	Name of Ghat	S. N.	District/ Town	Name of Ghat
1	Bijnor	Bijnor (Barrage)	20	Kanpur	Bhagwatdas Ghat	38	Fathehpur	Hajipur ganj Ghat
2	Muzzafarnagar	Shukratal	21	Kanpur	Maskan Ghat	39	Fathehpur	Ramchandra Ghat
3	Bulandshahar	Ravani Katiri	22	Kanpur	Parmat Ghat	40	Fathehpur	Khusurupur Ghat
4	Garhmukteshwar	VIP Ghat	23	Kanpur	Atal Ghat	41	Raebareli	Sarak Ghat
5	Sambhal	Dhamarpura Ghat	24	Bithoor	Bhairav Ghat, Bithoor	42	Raebareli	VIP Ghat
6	Bulandshahar	Gandhi Ghat	25	Bithoor	Brahmavatar Ghat	43	Raebareli	Rani Shivala Ghat
7	Kanpur	Bhukailash Ashram Ghat	26	Bithoor	Chappar Ghat	44	Raebareli	Sankat Mochan Ghat
8	Kanpur	Bandimata ghat	27	Bithoor	Laxman Ghat	45	Raebareli	Mahabiran Ghat
9	Kanpur	Sarayan ghat	28	Bithoor	Mahila & Tulsi Ram Ghat	46	Unnao	Ganga Mandir Ghat
10	Kanpur	Seng ghat	29	Bithoor	Pandav Ghat	47	Pratapgarh	Amethi Ghat
11	Kanpur	Nanamau Ghat	30	Bithoor	Pathar Ghat	48	Pratapgarh	Ramjanki Ghat
12	Farukhabad	Panchla Ghat	31	Bithoor	Punchlameshwar Baradri Ghat	49	Pratapgarh	Saraswati Ghat
13	Kanpur	Gola Ghat				50	Pratapgarh	Kila Tat Pucca Ghat
14	Kanpur	Sarsiya Ghat	32	Bithoor	Sita Ghat	51	Kaushambi	Karra Dhab Ghat
15	Kanpur	Bhairav Ghat	33	Bithoor	Rani Laxmi bai Ghat	52	Kaushambi	Asadpur Ghat
16	Kanpur	Guptar Ghat	34	Bithoor	Bharat Ghat	53	Kaushambi	Badanpur Ghat
17	Kanpur	Koyala Ghat	35	Bithoor	Kaushalya Ghat	54	Prayagraj	Ramchaura Ghat
18	Kanpur	Makjain Ghat	36	Bithoor	Tuta Ghat	55	Prayagraj	Kali Maa Ghat
19	Kanpur	Sidhnath Ghat	37	Fathehpur	Adampur Ghat	56	Prayagraj	Gau Ghat



S. N.	District/ Town	Name of Ghat	S. N.	District/ Town	Name of Ghat	S. N.	District/ Town	Name of Ghat
57	Prayagraj	Rasulabad Ghat	70	Varanasi	Ram Ghat	83	Varanasi	Telianala Ghat
58	Prayagraj	Balua Ghat	71	Varanasi	Nishadraj Ghat	84	Varanasi	Raja Gwalior Ghat
59	Prayagraj	Bargad Ghat	72	Varanasi	Gai Ghat	85	Varanasi	Narad Ghat
60	Ghazipur	Mahadev Ghat	73	Varanasi	Bundiparkota Ghat	86	Varanasi	Sheetala Ghat
61	Bulandshahar	Brighuashram + Phase 2 addl.	74	Varanasi	Mansarovar Ghat	87	Varanasi	Nandeshwar Ghat
62	Varanasi	Prabhu Ghat	75	Varanasi	Jain Ghat	CGF		
63	Varanasi	Bhadaini Ghat	76	Varanasi	Sankatha Ghat	88	Mirzapur	Nar Ghat
64	Varanasi	Janaki Ghat	77	Varanasi	Pandey Ghat	89	Mirzapur	Pukka Ghat
65	Varanasi	Anandmai Ghat	78	Varanasi	Lal Ghat	90	Mirzapur	Ganga Ram Ghat
66	Varanasi	Badrinarayan Ghat	79	Varanasi	Kedar Ghat	91	Mirzapur	Oliyur Ghat
67	Varanasi	Gola Ghat	80	Varanasi	Chauki Ghat	92	Mirzapur	Bariya Ghat
68	Varanasi	Trilochan Ghat	81	Varanasi	Jatar Ghat	93	Mirzapur	Kacheri Ghat
69	Varanasi	Naya Ghat	82	Varanasi	Sakka Ghat	94	Mirzapur	Gau Ghat



Kalimaa Ghat, Prayagraj



Trilochan Ghat, Varanasi



Bhairav Ghat, Bithoor

Crematoria

S. No.	District/ Town	Name of Crematoria
1	Bulandshahar	Rajghat Crematorium
2	Kanpur	Bandimata Crematorium
3	Kannauj	Mehandi Crematorium
4	Kanpur City	Bhairav Crematorium
5	Kanpur City	Bhagwatdas Crematorium
6	Bithoor	Balu Crematorium
7	Kanpur	Dhonri Crematorium
8	Fatehpur	Mainpuri Ghat Crematorium
9	Pratapgarh	Manikpur Ghat Crematorium
10	Prayagraj	Rasulabad Crematorium
11	Prayagraj	Kanhaiyapur Crematorium
CGF		
12	Mirzapur	Ganjia Crematorium
13	Mirzapur	Chauba Crematorium
14	Mirzapur	Ram Gaya Crematorium



Dhonri Crematorium, Kanpur



Dalmau RFD, Raebareli



Hajipur Ghat- Fatehpur



BIHAR GHATS AND CREMATORIA DETAILS

	No. of Projects	No Of			Sanctioned Cost (in Cr)	Status					
		Ghats (G)	Crematoria (C)	Total (T)		Completed		Under Progress		Under Tendering	
						G	C	G	C	G	C
NGP Projects	12	25	6	31	111.57	10	-	15	4	-	2
CGF	2	9	1	10	43.71	-	-	9	1	-	-
Total	14	34	7	41	155.28	10	-	24	5	-	2

Ghats

S. No.	District/ Town	Name of Ghat	CGF		
1	Hajipur	Chawni Mandir Ghat	26	Chhapra	Aami Ghat
2	Hajipur	Bhutandas Ghat	27	Chhapra	Pipra Ghat
3	Hajipur	Sidhi Ghat	28	Chhapra	Moksdham (Reval Ganj) Ghat
4	Sonepur	Pul Ghat North	29	Chhapra	Sitabdiyara Ghat
5	Sonepur	Pul Ghat Connect	30	Chhapra	Nathbaba Ghat
6	Sonepur	Pul Ghat South	31	Chhapra	Bengali Baba Ghat
7	Sonepur	Naulakha Ghat	32	Chhapra	Doriganj Ghat
8	Sonepur	Pul Ghat (4 Nos.)	33	Chhapra	Malkachak Ghat
9	Sonepur	Kali / Harihar Nath Ghat	34	Sultanganj	Balu Ghat
10	Buxar	Sati Ghat			
11	Buxar	Gola Ghat			
12	Buxar	Ramrekha Ghat			
13	Buxar	Nath Baba Ghat			
14	Buxar	Mahadev Ghat			
15	Munger	Karbala Ghat			
16	Munger	Dumantha Ghat			
17	Munger	Babua Ghat			
18	Danapur	Ramjichak Bathing Ghat			
19	Danapur	Nasriganj			
20	Muzaffarpur	Akhara Bathing Ghat East			
21	Muzaffarpur	Sidhi Ghat			
22	Muzaffarpur	Chandwara Ghat			
23	Gopalganj	Dumariya Ghat			
24	Gopalganj	Bridge Ghat			
25	Vaishali	Chachar Ghat			

Crematoria

S. No.	District/ Town	Name of Crematoria
1	Hajipur	Konhara Crematorium
2	Danapur	Ramjichak Crematorium
3	Danapur	Janardhan Ghat Crematorium
4	Gopalganj	Conventional Crematorium
5	Gopalganj	Electric Crematorium
6	Vaishali	Chechar Crematorium
CGF		
7	Sultanganj	Balu Ghat



Pul Ghat, Sonepur



Babua Ghat, Munger

JHARKHAND GHATS AND CREMATORIA DETAILS

	No. of Projects	No Of			Sanctioned Cost (in Cr)	Status					
		Ghats (G)	Crematoria (C)	Total (T)		Completed		Under Progress		Under Tendering	
						G	C	G	C	G	C
NGP Projects	4	13	3	16	62.07	11	3	2	-	-	-



St Xavier/ Madan Mohan Ghat, Sahibganj



Mahajan Toli Ghat, Rajmahal

Ghats

S. No.	District/Town	Name of Ghat
1	Sahibganj	Mukteshwar Dham
2	Sahibganj	St. Xavier Ghat/ Madan Mohan Ghat
3	Sahibganj	Kusum Ghat
4	Sahibganj	Maskalैया Ghat
5	Sahibganj	Sarkanda Ghat
6	Sahibganj	Bijli Ghat
7	Sahibganj	Ferry Ghat
8	Rajmahal	Mangal Haat Ghat
9	Rajmahal	Mahajan toli to Ram Ghat
10	Rajmahal	Kali Ghat to Kasim Bazar Ghat
11	Rajmahal	Ferry Ghat
12	Rajmahal	Singhidalan Ghat
13	Rajmahal	Kanhaiyasthan

Crematoria

S. No.	District/ Town	Name of Crematoria
1	Sahibganj	Maskalैया
2	Sahibganj	Munilal Ghat
3	Rajmahal	Madhusudan Colony Crematorium



WEST BENGAL GHATS AND CREMATORIA DETAILS

	No. of Projects	No Of			Sanctioned Cost (in Cr)	Status					
		Ghats (G)	Crematoria (C)	Total (T)		Completed		Under Progress		Under Tendering	
						G	C	G	C	G	C
NGP Projects	4	9	3	12	16.77	6	-	3	3	-	-
CGF	1	7	-	7	5	-	-	7	-	-	-
Total	5	16	3	19	21.77	6	-	10	3	-	-

Ghats

S. No.	District/ Town	Name of Ghat
1	Garulia	Ratneswar
2	Garulia	Babu Ghat
3	Garulia	Giris Ghat
4	Garulia	Rasiklal
5	Garulia	Sideswari
6	Garulia	Old Burning
7	Garulia	Jalipara
8	Garulia	Thakurbari
9	Garulia	Kangali
10	Katwa	Ballavpara Jetty
11	Katwa	Burning Ghat
12	Kalna	Narshkumar & Military Ghat
13	Kalna	Ferry Ghat
14	Agradwip	Narshkumar & Military Ghat
15	Agradwip	Ferry Ghat
16	Dainhat	Ferry Ghat

Crematoria

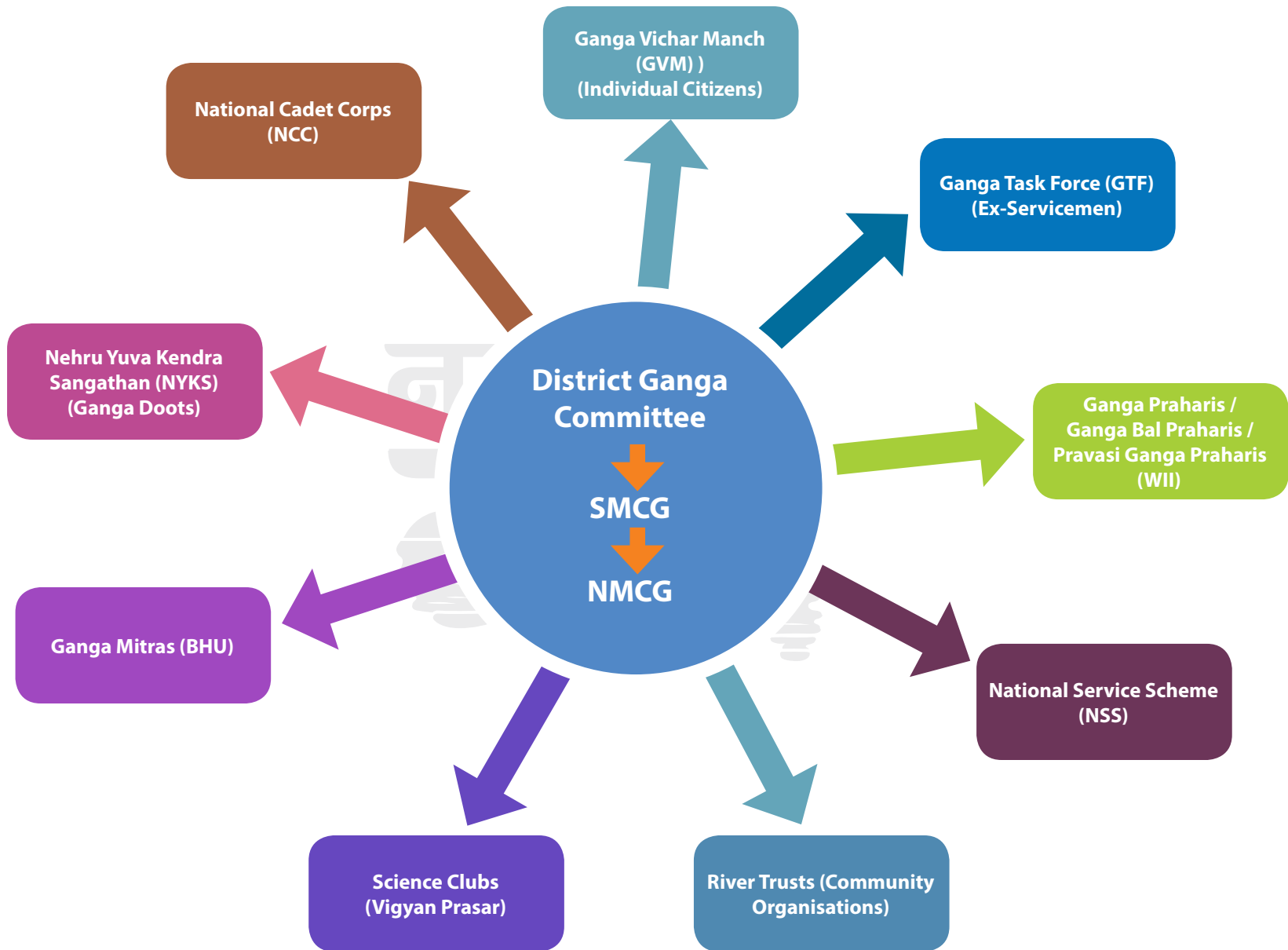
S. No.	District/ Town	Name of Crematoria
1	Garulia	Garulia Electric Crematorium
2	Naihati	Naihati Electric Crematorium
3	Bhatpara	Bhatpara Electric Crematorium



Babu Ghat, Garulia



Sideswari Ghat, Garulia



List of District Ganga Committees on Ganga Main Stem & Tributaries

Uttarakhand

Sl. No.	Name of District
1	CHAMOLI
2	DEHRADUN
3	HARIDWAR
4	PAURI(GARHWAL)
5	RUDRAPRAYAG
6	TEHRI GARHWAL
7	UTTARKASHI

Uttar Pradesh

Sl. No.	Name of District
1	ALLAHABAD
2	AMROHA
3	BALLIA
4	BIJNOR
5	BUDAUN
6	BULANDSHAHR
7	CHANDAULI
8	FARRUKHABAD
9	FATEHPUR
10	GHAZIPUR
11	HAPUR
12	HARDOI
13	KANNAUJ
14	KANPURNAGAR
15	KANSHIRAM
16	KAUSHAMBI
17	MEERUT
18	MIRZAPUR
19	PRATAPGARH
20	RAE BARELI
21	SANT RAVI DAS
22	SHAHJAHANPUR
23	UNNAO
24	VARANAS I
25	SAMBHAL
26	MORADABAD (Tributaries)

Bihar

Sl. No.	Name of District
1	BEGUSARAI
2	BHAGALPUR
3	BHOJPUR
4	BUXAR
5	KATIHAR
6	KHAGARIA
7	LAKHISARAI
8	MUNGER
9	PATNA
10	SAMASTIPUR
11	SARAN
12	VAISHALI
13	DARBHANGA (Tributaries)
14	KAIMUR (Tributaries)

Jharkhand

Sl. No.	Name of District
1	SAHIBGANJ

West Bengal

Sl. No.	Name of District
1	HOOGLY
2	HOWRAH
3	MALDA
4	MURSHIDABAD
5	NADIA
6	SOUTH 24 PARAGANAS
7	NORTH 24 PARAGANAS
8	PURBAMEDINIPUR (Tributaries)
9	PURBABARDHAMAN (Tributaries)

CLEAN GANGA FUND

Clean Ganga Fund (CGF) is an initiative under Namami Gange providing an unique platform for involvement of common public in the noble cause of Ganga rejuvenation

OBJECTIVES

- To support the national effort of rejuvenation of river Ganga through public participation.
- To set up a reliable and credible institution for the individuals, institutions, corporates, NRIs, PIOs to contribute.
- To act as a catalyst in brining innovation and technological know-how in river rejuvenation.
- To re-establish the river connect with common public and thereby making it as a mass movement (Jan Andolan).

ADMINISTRATION

- CGF is a registered Trust under Indian Trust Act and chaired by the Hon'ble Finance Minister, Government of India.
- Secretary (Economic Affairs), Secretary (Overseas Indian Affairs), Secretary (Environment, Forests and Climate Change) and Secretary (Water Resources, River Development and Ganga Rejuvenation) are ex-officio members of the Trust.
- Director General of NMCG functions as Chief Executive Officer of the Trust.

FEATURES

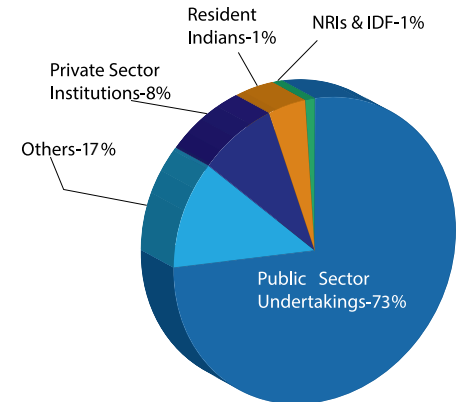
- Contribution to CGF is exempt from FCRA provisions.
- Domestic contributions are eligible for 100% tax deduction under Section 80 G of the Income Tax Act.
- CGF is a notified Corporate Social Responsibility (CSR) activity under Schedule VII of the Indian Companies Act, 2013.

MANDATE

The fund will be catalytic in nature and identify specific pilot projects in:

- Conservation of Bio Diversity.
- River front (Ghat) development.
- R & D and innovation in new/latest technologies.
- Control of non-point source of pollution.
- Public awareness & Community based activities
- Any other activity outlined under Namami Gange Programme.

Cumulative contribution
Rs. 440.50 crores



Sanctioned Projects under CGF

- **Afforestation (5 states)**
- **Ghat and crematoria (7 projects -24 ghats and 6 crematoria)**
- **Bioremediation**
- **Restoration of Kunds of Varanasi (9 Kunds)**



Ganga Utsav

Organized on 4th Nov 2019 to celebrate declaration of Ganga as National river. A multiple activity program engaging students and youth including river cinemas, quiz, storytelling, games on ecological learnings, group discussions etc.



Ganga Amantran

- A 34 days long **river rafting expedition** covering over 2500 KM of River Ganga from **Devprayag to Gangasagar**.
- Biggest social outreach programs through adventure sports with an aim to connect with lakhs of people.
- Team comprised of members from Armed Forces, NDRF, WII Scientist, CSIR-IITR and NMCG.



Great Ganga Run

Marathon to create awareness about river Ganga. NMCG organized “**The Great Ganga Run**” in New Delhi on 15th September 2019. Almost 20,000 people participated in the marathon. Run for Women was organized at Varanasi on International Women’s Day, 8th March 2019.



Ganga Quest (www.gangaquest.com), a competitive knowledge-building platform, an awareness initiative and scientific baseline determination exercise to assess the knowledge gaps and attitude orientation about Ganga and Rivers.



1 million+

All Indian States and Union Territories participated

Enthusiastic participation by children across the country and from foreign countries.

More than 1 lakh schools participated

Total Participation
11,52,407



Winners of Ganga Quest

School with Highest participation

Grade I
VIII Class & below

Grade II
IX to X Class

Grade III
XI to XII Class

Grade IV
Adults & Senior Citizens

Top 3 winners
Top 10 winners
Top 20 winners
First 100 winners



Cleanathon at the banks of river

A cleanliness Drive organized across 8 major ghats on the river Yamuna at Delhi on 28th June 2019. Continued regularly in association with local organization, NGO's and RWA's. Regular cleaning by community volunteers at several places along Ganga



NMCG COVID-19 Engagements

Stakeholders of NMCG like Ganga Vihar Manch, Ganga Prahari Ganga Mitra and NYK Sangthan have been involved in COVID-19 management by way of:

- Massive awareness and sensitizing activities in villages and schools
- Mask development and distribution to needy people
- Door to door awareness activities on self-isolation for migratory workers
- Assisting the district administration in the management of quarantine center
- Distribution of food to needy people



Activities for Kumbh in Prayagraj

A. Kumbh 2019

- (i) Toilets - Financial assistance of Rs. 113 crore for 27,500 toilets & 20,000 Urinals
- (ii) Solid Waste Management - Financial assistance of Rs. 3.6 crore for 16,000 dustbins & lining bags
- (iii) IEC activities -Rs. 16.68 crore for various IEC activities including **Paint My City Campaign**.
- (iv) Bioremediation of drains - Projects have been sanctioned for 53 drains for bioremediation/ Phytoremediation for 6 months in view of Kumbh.



B. Ghats & Crematoria

5 ghats, 1 Interconnection and 2 crematoria sanctioned at Rs. 85.93 crores. The project has been completed and dedicated to general public.

C. River Surface & Ghat Cleaning

Trash skimmer deployed for collection of floating trash from the river surface. A project for regular cleaning of 21 ghats has been sanctioned for Rs. 3.3 crore.

Ganga Task Force

Ganga Task Force deployed for Kanpur, Prayagraj and Varanasi, with battalion headquarter at Allahabad for plantation of trees, patrolling of ghats and river banks monitoring, river pollution, public outreach programmes, etc.



स्नानकालेऽश्रन्यतीर्थेषु जप्यते जाह्ववी जनैः ।
विना विष्णुपर्दी कान्यत् समर्था ह्यघशोधने ।

अर्थात्

महर्षि गंगाजी से कहते हैं कि हे गंगे ! तुम्हारे तीर पर स्थित तरु के कोटर में रहने वाला विहंग बनना वरदायी है, हे नरक का अंत करने वाली ! तुम्हारे जल में मछली अथवा कछुआ बन कर रहना भी वरदायी है ।

GYAN GANGA

**“Promoting research
and knowledge
management and
evidence based
policy making under
Ganga Knowledge
Centre”**

Ganga Knowledge Centre

Ganga Knowledge Centre (GKC) is set up at National Mission for Clean Ganga (NMCG) primarily to address these issues and to enhance the quality of implementation of the National Ganga River Basin Authority (NGRBA) program. Ganga Knowledge Centre (GKC) is conceptualized as a premiere and autonomous knowledge based institution which will blend system characterization, innovation and stakeholder participation so as to optimize the investments of NGRBA. The major objectives of GKC are:

- (i) Create and manage knowledge resources including analysis and modeling of diverse data sets relevant to Ganga River Basin.
- (ii) Design and foster research innovation through identification of knowledge gaps, need for new ideas and supporting targeted research.
- (iii) Facilitate stakeholder dialogue through public involvement and building partnerships with universities/institutions of national & international repute, public & private entities and NGOs

A host of new research initiatives, capacity building, information collation, and dissemination are the activities being rigorously carried out under the purview of the Ganga Knowledge Centre.

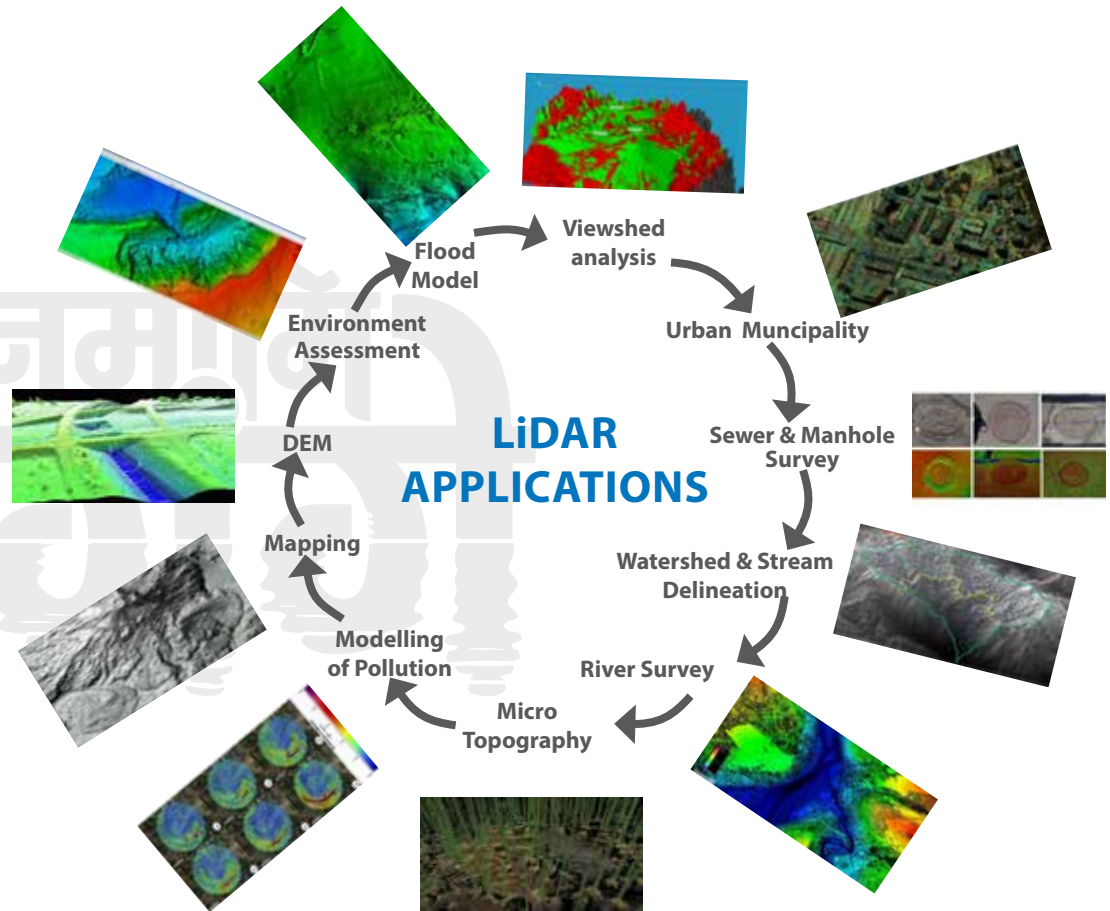
cGanga

The Centre for Ganga River Basin Management and Studies (**cGanga**) was established at the Indian Institute of Technology, Kanpur (IITK) in 2016. The Centre is a Centre of Excellence for data collection, the creation and dissemination of knowledge and information for the sustainable development of Ganga River Basin. The centre acts in the capacity of a comprehensive think-tank to the National Mission for Clean Ganga (NMCG), Ministry of Water Resources, River Development and Ganga Rejuvenation (MoWR, RD & GR), Government of India, in its stated goals and objectives vis-à-vis the Ganga River Basin. As part of cGanga objective, 3-day India Water Impact summit is organized every year.



LiDAR Mapping

- ◆ LiDAR is an acronym for Light Detection & Ranging
- ◆ NMCG has brought on board Survey of India, to facilitate the Ganga Rejuvenation task by using LiDAR & GIS technology
- ◆ Mapping of about 45,000 sq km area covering 5 major states namely UK, UP, JH, BH, and WB
- ◆ The major components of the project are
 - Data acquisition using Airborne Lidar Sensors
 - Feature extraction & generation of GIS ready dataset
 - Data validation and field data collection
 - Development of Geoid
 - Collection of available public drainage network and its integration with GIS database
 - Web hosting of GIS data and Application development
 - Capacity building



Cultural Mapping

- ◆ Documentation of Tangible, Intangible and Built Heritage along River Ganga in partnership with INTACH. Cultural documentation of the main stem of the Ganga from origin to Ganga Sagar documenting (within 5 km) its various facets.
- ◆ The aspects covered under the projects are:
 - Places of religious, historical and cultural importance
 - Temples/heritage buildings of significance, Cremation grounds and ghats
 - Historical context of various settlements
 - Historical references to the river like historical material, Gazetteers, literature etc
 - Intangible Heritage like poems, songs, arts, crafts, belief systems, languages and dialects, worship and iconography



Sacred Gerua Talab, Vindhyachal



600 Year Old Sacred Tree at Prayagraj [60' Girth at Base]



Vijaynagara Hall, Allahabad University



Dakshineswar Math, Kolkatta



Kajali Singers at Mirzapur Ghats



Lolark Kund



Snow Bridges Across Ganga

NMCG Collaboration with CIFRI

A project has been sanctioned to CIFRI for the assessment of fish and fisheries of river Ganga

The main objectives of the project are:

- ◆ Assessment of fish and fisheries
- ◆ Stock assessment of selected fish species
- ◆ Identification of migratory fishes and range of migration
- ◆ Seed production (in-situ) of selected fish species and ranching in depleted river stretches
- ◆ Preparation of fisheries conservation and restoration plan

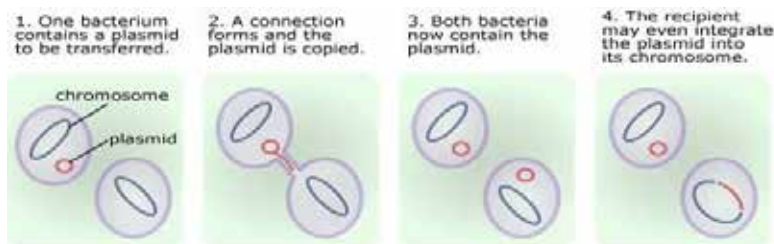
Major findings

- ◆ Maximum number of species were recorded from Bijour (N=95), Uttar Pradesh and Farakka (N=75), West Bengal
- ◆ Out of 190 fish species recorded, 12 are Near threatened, 3 are Endangered and 4 Vulnerable
- ◆ CIFRI has developed a fish mapping of river Ganga on GIS platform
- ◆ 3274 Hilsa brood fish were ranched in the upstream of the Farakka barrage till December 2019
- ◆ Among the estuarine stretch Fraserganj was found to be more diverse with number of species being 68



Microbial Mapping

Indicators of TYPE of Contamination (Sewage and Industrial) Ecosystem Services of the River (nutrient recycling, fisheries etc) Define Health of the River / Rejuvenation Efficiency Threat to Human Health (Antibiotic Resistance Surge)



GIS-based Mapping of **Microbial Diversity** across the Ganges for Ecosystem Services.

Understanding the **ecosystem services** offered by the bacterial population.

Aquifer mapping with focus on Palaeo-channels in parts of Ganga Yamuna Doab in Kaushambi-Kanpur stretch

- **Ganga River Basin Management Plan** recognizes the importance of interplay between **groundwater and surface water**.
- A project in collaboration with **CGWB and National Geophysical Research Institute (NGRI)** for **aquifer mapping**
- Development of plan for managing **aquifer recharge** which may help in increasing the flow of river Ganga during lean season.

Mapping of aquifers to understand Groundwater- Surface water interface

Delineate the subsurface aquifers with focus on Paleochannels **from Kausambi to Kanpur**

Tracing the extension of newly discovered paleo-channel near Prayagraj and 3D mapping of aquifer system in the middle Ganga plain

Spring Rejuvenation

- Establishment of **Ground Control Points**
- Acquisition of **Point Cloud Data Using Lidar Based Drone/UAV**
- **Data processing** with help of high end computer, Point Cloud Classification, DTM and DEM Generation, Feature Extraction of Springs and other features
- **Field verification** of Springs and data delivery
- **Spring rejuvenation** by systemic mapping of Tehri Garhwal district for inventory of springs for **Hydro-geomorphic & Geo- chemical**
- Constructing **rainwater harvesting and artificial structures**

Mapping of Climate change scenarios in Ganga Basin

National Mission for Clean Ganga has sanctioned a project to map out high resolution climate scenarios for basin-scale water resources management to Indian Institute of Technology, Delhi (IIT Delhi). The study will be executed through Centre for Atmospheric Sciences of IIT Delhi. The intended outcome of the project will be improved understanding and scientifically rigorous estimates of climate change and its impact on water resources in the Indo-Gangetic Plain.

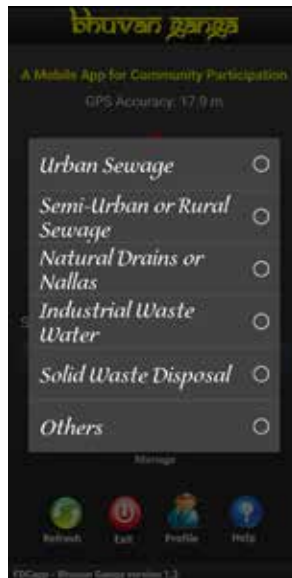


Bhuvan Ganga

Bhuvan Ganga is mobile application developed in participation with ISRO to enable public to collect and report information on various pollution sources that affects the water quality of river Ganga.

The main features of the app are:

- ◆ collecting location information using mobile device GPS,
- ◆ taking photograph of the location (two photos),
- ◆ adding the attribute information about pollution source and
- ◆ sending the collected information to Bhuvan Ganga web server, either immediately or later



ADMINISTRATIVE BOUNDARY

TREATMENT PLANTS

POLLUTION SOURCES

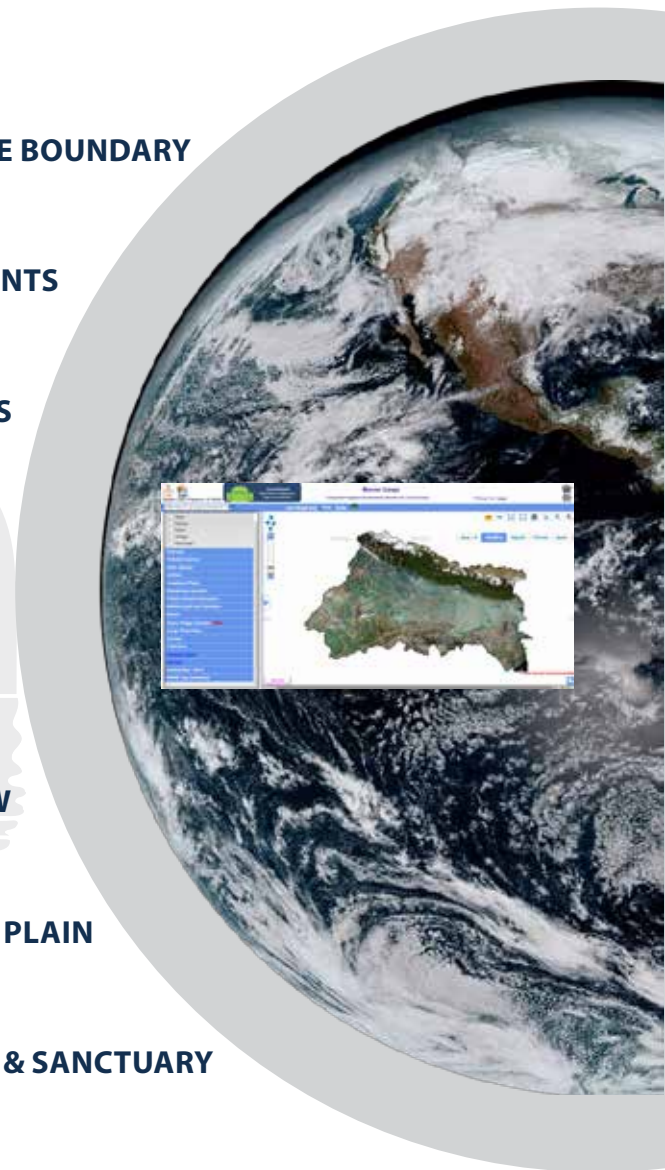
WATER QUALITIES

DRAINAGE

3D VIEW

GANGA FLOOD PLAIN

NATIONAL PARKS & SANCTUARY



Reconstructing Ganga of the past from Corona Archival Imagery

The Corona spy-satellite program collected a large number of earth observation photos in the 60s (1958-1972) by CIA and having resolutions from 1.8 to 7.5 m. The desired Ganga river length is now covered by the archival imagery with +/- 20 m positional accuracy. Corona archive contains over 8000 images of Ganga basin, declassified; offer us a unique view of the Ganga predating the ecological damage occurred.

SATELLITE IMAGERY

HARIDWAR



KANPUR

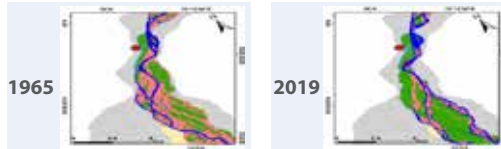


PRAYAGRAJ

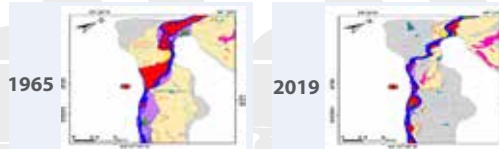


LANDFORM DYNAMICS AND GEOMORPHIC CHANGES

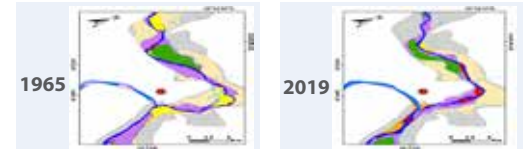
HARIDWAR



KANPUR

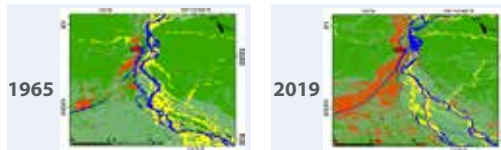


PRAYAGRAJ



LAND USE LAND COVER CHANGE & CHANGE DYNAMICS

HARIDWAR



KANPUR



PRAYAGRAJ



Urban River Management Plan

Urban River Management Plan (URMP) is an instrument developed by NIUA and NMCG to maintain the wholesomeness of the urban rivers in the Ganga river basin



PLANNING TOOLS

- Land Allocation
- Landuse Mapping
- Use zone and Use premise/ permissible activities
- Development Control Norms (Zoning Regulations)
- Planning Policy
- Norms & Standards
- Design Guidelines
- Planning Strategy
- Regulations
- Project Poposals

Arth Ganga

Arth Ganga programme aims to garner people's participation for Ganga conservation by promoting sustainable development, so as to contribute about 3% to the GDP from Ganga Basin.



“ गंगा जी को निर्मल और अद्विष्ट बनाने का अभियान जैसे-जैसे आगे बढ़ता जा रहा है, वैसे-वैसे इसमें पर्यटन के आधुनिक आयाम जुड़ते जा रहे हैं। ”

Shri Narendra Modi
Hon'ble Prime Minister

River Ganga a spiritual entity and a economic resource

Sustainable and viable economic development model to integrate people in the basin with Ganga rejuvenation



International Collaborations

World Bank

The World Bank has been supporting the Government's efforts since 2011 through the ongoing National Ganga River Basin Project for the long-term vision of controlling pollution in the river and restoring its water quality. Initially in 2011 World Bank sanctioned \$600 Million financial assistance in the form of soft loan for pollution abatement and strengthening of river basin.

World Bank has now sanctioned another \$400 Million of assistance for Ganga-2. As on date total of \$1 Billion of financial assistance has been given by World Bank. Currently there are 39 projects for sewage collection and treatment infrastructure in 20 towns for the creation/ rehabilitation of 1293MLD capacity of STPs and 3,615km sewer network. Apart from this 1 River Front Development (RFD) project at Patna has been undertaken under the World Bank assistance.

JICA

Japanese International Cooperation Agency (JICA) has been supporting Government's effort of pollution abatement by way of funding 14 projects at an estimated cost of Rs 2077Cr in Varanasi and Delhi. These project will create sewage treatment capacity of 1090MLD and lay 64km of sewer network.

GIZ

An Implementation Agreement was signed between GIZ Germany and MoWR, RD GR for support to Ganga Rejuvenation. The German Government committed 3 million pounds under Indo German Technical Cooperation for Ganga Rejuvenation. GIZ has also organized policy

defining/technical workshops/ seminars, Bal Ganga Mela-2019, teachers training etc.

Germany

Implementation Agreement between Physikalisch Technische Bundesanstalt (PTB) of Germany and NMCG was signed for strengthening quality infrastructure for monitoring of the River Ganga.

Japan

Organization for Industrial, Spiritual and Cultural Advancement (OISCA) International joined hands with NMCG to support the cause of Ganga Rejuvenation through its expertise in organic farming, agro forestry, afforestation and community-driven water conservation program. OISCA, International has also organized a Kyoto-Varanasi School Children exchange program towards environmentally sustainable development from 11th to 14th September, 2017 at Kyoto, Japan to sensitize young children with best practices in Japan in areas of sustainable environment conservation.

United Kingdom

MoU has been signed between National Mission for Clean Ganga (NMCG) and Natural Environmental Research Council (NERC), United Kingdom to support Government of India in sustainable management of water resources in the Ganga Basin through collaborative programmes of research and innovation and exchange of policy experts with the support of UK Water Partnership.

Scotland

MoU has been signed between National Mission for Clean Ganga (NMCG) and Scottish Government: Water Industry Division (SG : WID) to support

Government of India in sustainable management of water resources in the Ganga Basin through collaborative programmes of research and innovation and exchange of policy experts with the support of Scottish Government.

Israel

A MoU with Israel was signed to enhance cooperation in the field of water resources development and management by collaborating and sharing of experience and expertise in the areas mutually agreed upon. As per the MoU, a Joint Working Group (JWG) has been constituted under Chairpersonship of Director General, NMCG from Indian Side.





Netherlands

A MoU on cooperation in the field of water resources between MoWR, RD & GR and Ministry of Infrastructure and the Environment of the Netherlands was signed on 27th June, 2017. The first India-Netherland JWG meeting was held on 10.10.2017 at New Delhi under the Chairmanship of DG, NMCG being the head of Joint Working Group of Indian side to discuss & explore the areas of bilateral cooperation programme in NMCG, Capacity building programme under Namami Gange Programme and possibility of MoU with TU in Delft in water training programme.

Australia

MoU between India and Australia was signed for enhancing cooperation in water resources development and management, surface and groundwater, river basin management and impact of climate change on water resources. Negotiations are going for finalizing an Action Plan.

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Let Ganga flow amidst all...

For more information on Ganga Rejuvenation

Contact:

Director General

National Mission for Clean Ganga,

Ministry of Jal Shakti

Department of Water Resources, River Development & Ganga Rejuvenation

1st Floor, Major Dhyan Chand National Stadium, India Gate, New Delhi-110002, India.

Telephone: +91 11 23072900-901

E-Mail: missionganga@gmail.com

बहुत कुछ हो गया है
बहुत कुछ हो रहा है
और बहुत कुछ करना है ॥



सत्यमेव जयते

MODES OF DONATION UNDER CGF

- Cheque/DD in favour of "Clean Ganga Fund"
- Online payment on: www.cleangangafund.com
- RTGS/NEFT transfer to SBI A/c No.34213740838 (IFSC Code: SBIN0000691)
- Visit SBI ATM, go to Donations tabs & click on 'Clean Ganga Fund' icon
- Download BHIM/Paytm/Phonepay/GPay and donate by scanning QR code



नहीं सुकेंगे
सुख करेंगे





NAMAMI GANGE PROGRAMME

INTEGRATED GANGA CONSERVATION MISSION

It is a national mission encompassing every Indian, residing in the country or aboard. Now we shall join hands with this mission and continue to swear forever by our mother Ganga "Ganga maiya Ki Kasam"