

term activities, existing Sewage Treatment Plant (STP) and Effluent Treatment Plant (ETP) are being upgraded and new STP and ETPs are being established. Besides, rural sanitation has been taken up in the villages on the banks of river Ganga. The long term action plan involves restoration of wholesomeness of river Ganga and maintaining its ecological and geological identity of river. Towards the long term planning, Central Government have issued notification on minimum environmental flow on river Ganga to be maintained at various locations on the river.

Under Namami Gange Programme, variety of coordinated activities meant for cleaning of river Ganga have been taken up. So far, a total of 261 projects have been sanctioned at an estimated cost of ₹ 25563.48 crore, out of which 76 projects have been completed and made operational; rest of the projects are at various stages of implementation.

Efforts are being made to complete the short term and medium term activities by 2020. The progress of the ongoing projects is satisfactory and Government of India as well as the concerned State Governments are making full effort to complete the projects as per their time schedule and in some cases prior to the time schedule.

Deadline for cleaning of river Ganga

904. DR. ABHISHEK MANU SINGHVI: Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) the details of all the project sanctioned by the Ministry to clean the river Ganga, State-wise;
- (b) details of the status of those projects, along with deadlines;
- (c) details of the projects that have failed to meet the respective deadlines; and
- (d) details of all the projects that are being planned to be launched during the next one year?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION (DR. SATYA PAL SINGH):
(a) and (b) Cleaning of river is a continuous process and the Government of India is supplementing the efforts of the State Governments in addressing the challenges of pollution of river Ganga (including its tributaries and Yamuna) by providing financial and technical assistance. So far, under Namami Gange Programme a total of 261 projects have been sanctioned at an estimated cost of ₹ 25,563.48 crore.

Out of the 261 projects, 136 projects have been sanctioned at an estimated cost of ₹ 20,623.13 crore for cleaning of river Ganga and its tributaries through creation of sewerage infrastructure and sewage treatment capacity. The State-wise break up of projects are given in the Statement (*See* below).

Against the estimated sewage generation of 2953 Million Litres Per Day (MLD) from the 97 towns along main stem of river Ganga, the current sewage treatment capacity in the towns along river Ganga is 2232 MLD, including 410 MLD sewage treatment through East Kolkata Wetland. Further, projects for creation of 819 MLD Sewage Treatment Plant (STP) capacity are at advanced stages of completion. In addition, projects for creation of 731.5 MLD are under tendering process after approval.

National Mission for Clean Ganga (NMCG) has released ₹ 829.04 crore to Ministry of Drinking Water and Sanitation for construction of 1083688 Independent Household Latrines (IHHLs) which have helped the 4465 marked villages along Ganga as Open Defecation Free (ODF). Further ₹ 123.96 crore has been provided for implementation of Liquid Waste Management projects in the Ganga bank villages.

Efforts are being made to complete the short term and medium term activities by 2020.

(c) Prior to launching of Namami Gange programme, few retro-financed projects got delayed due to non-availability of land, various local permission etc. These issues were resolved by constant monitoring and periodic review of projects at the Hon'ble Minister level and with constant cooperation from State-Government the Namami Gange projects are being completed on time and sometime before time.

(d) Under Namami Gange programme, projects are primarily sanctioned as per requirements of the State-Governments. However, NMCG also carries out its own feasibility studies to understand the requirements and in coming year projects on ecological conservation, e-flow, wetland conservation, bio-diversity protection etc. shall form important focus areas.

Statement*State-wise list of the sewerage projects taken up under Namami Gange Programme*

Sl. Project Name No.	Sanctioned STP Capacity		Sewer Network (km.)	
	Cost (₹ in crore)	New/Rehab (MLD)		
1	2	3	4	5
Uttarakhand				
1.	Badrinath-Interception and Diversion (I&D)	7.26		7.53
2.	Badrinath-Pollution Abatement works (Interception and Diversion with STP)	18.23	1.01	
3.	Devprayag-STP	3.66	1.40	
4.	Devprayag-Interception and Diversion (I&D)	7.27		7.60
5.	Restoration and Reconstruction of Sewerage Scheme due to disaster in Devprayag	4.50		
6.	Joshimath-Interception and Diversion (I&D)	9.61		27.66
7.	Joshimath-Interception and Diversion (I&D) with STP	48.42	3.78	2.50
8.	Gopeshwar-Interception and Diversion (I&D)	10.18		35.63
9.	Interception and Diversion and STP, at Chamoli	61.83	4.38	1.04
10.	Sewerage Scheme at Triveni Ghat	7.23		1.02
11.	Rishikesh-I&D with STP	158.00	26.00	2.50
12.	Sewerage system and STP for Tapovan area	24.12	3.50	11.04
13.	Tapovan-upgradation of 3.50 MLD STP	2.19		

1	2	3	4	5
14.	Sewerage Scheme at Ahbab Nagar Jwalapur Zone E-2 at Haridwar	24.84		13.49
15.	Construction of 18 MLD STP at Sarai, Haridwar	24.91	18.00	18.76
16.	Sewage Treatment Plant (STP) at Jagjeetpur (68 MLD) and Sarai (14 MLD)	273.37	82.00	
17.	Tertiary treatment of existing 27 MLD STP at Jagjeetpur and Upgradation of existing 18 MLD STP at Sarai	32.64		
18.	Interception and Diversion works at Sarai and Jagjeetpur	116.28		17.10
19.	Laying of Sewer Lines in Aribhant Vihar and New Vishnu Garden, Kankhal in Haridwar	4.68		3.65
20.	Sewerage System and STP for Gangotri Dham	10.48	1.00	2.75
21.	Restoration and Reconstruction of Sewerage Scheme due to disaster in Gangotri	0.45		
22.	Restoration and Reconstruction of Sewerage Scheme due to disaster in Uttarkashi	4.84		
23.	Upgradation of 2 MLD STP (Gyansu)	10.03		
24.	Karanprayag-Interception and Diversion (I&D), Sewage Treatment Plant (STP)	12.09	0.35	4.73
25.	Rudraprayag-Interception and Diversion (I&D), Sewage Treatment Plant (STP)	13.14	0.52	6.69
26.	Pollution Abatement works for River Alaknanda (STP creation of 10 KLD and 50 KLD)	4.23	0.06	
27.	Srinagar-Interception and Diversion and STP	22.51	1.00	
28.	Srinagar-Upgradation of Existing STP (3.5 MLD)	15.40		
29.	Nandprayag-Interception and Diversion and STP		0.15	0.38
30.	Muni Ki Reti-Rising main (500m) and STP of 12.5 MLD	80.45	12.50	3.50

31.	Swargashram (Paudi Garhwal)-Upgradation of Existing STP (3.0 MLD)	5.20			
32.	Interception and Diversion Works for Rispana and Bindal River in Dehradun	60.00	1.00	31.00	
Uttar Pradesh					
33.	Sewerage and Non-Sewerage schemes for Pollution abatement of River Ganga at District-B' and 'E' of Allahabad	199.26	85.00	10.88	
34.	Sewerage and Non-Sewerage schemes for Pollution abatement of River Ganga at District-A' of Allahabad	106.08	20.00	9.24	
35.	Allahabad-Sewerage work in Sewerage District-E	142.00		109.20	
36.	14 MLD STP at Salori, Allahabad	42.40	14.00		
37.	Sewerage System in Sewerage District-C and Allahpur, Allahabad	146.87		134.19	
38.	Sewerage Works in Sewerage District-A of Allahabad	288.94		241.63	
39.	Allahabad-Sewerage system with Sewer network-(District-B)	265.86		214.88	
40.	Sewer Network in District-E of Allahabad-Part 2 (Additional Work) under Component "A"	52.78		42.66	
41.	Interception, Diversion and Treatment Works for Naini (District-G) Phaphamau (District-F) and Jhansi Area District: Allahabad	767.59	72	13.21	
42.	Rehabilitation and Operation and Maintenance of existing Sewage Treatment Infrastructure at Allahabad	904.00	80.00		
43.	Project at Varanasi (EAP-JICA) Construction of 140 MLD STP at Dinapur	199.19	140.00		
44.	Varanasi-Construction of interceptor sewers, relieving trunk sewer and rising mains	165.76			
45.	Varanasi-Construction of 3 pumping stations (Chaukaghat, Phulwariya and Sariya)	39.57			

1	2	3	4	5
46.	Varanasi-Rehabilitation of old trunk sewer	89.95		
47.	Rehabilitation of 5 Ghat pumping stations and STPs at Dinapurand Bhagwanpur	20.52		
48.	Varanasi-Non Sewerage, Institutional Development and other works	126.20		
49.	Garmukteshwar-Sewerage system and STP works	46.51	9.00	69.00
50.	Moradabad (Ramganga)-Sewerage system and STP works (Phase I)	279.91	58.00	264.25
51.	Pollution Abatement Works for River Ram Ganga at Moradabad under Moradabad Municipality (Interception and diversion with STP)	118.69	25.00	
52.	Kannauj (Kali)-Sewerage system and STP works (Phase II)	43.66	1.00	62.50
53.	Sewerage scheme at Narora, Bulandshahr	48.45	4.00	21.03
54.	Sewerage Works in Anupshahr, Bulandshahr	75.79	2.50	58.88
55.	Sewerage scheme and STP at Bithoor Kanpurmagar	13.40	2.00	
56.	Sewerage Treatment Plant (STP) for Assi-BHU Sewerage District at Ramana	161.31	50.00	
57.	Interception, diversion of Drains and Sewage Treatment works at Ramnagar	72.91	10.00	0.44
58.	Interception/Diversion of Sisamau Nala of Kanpur City	63.80		1.63
59.	Sewerage Works in Sewerage District-1 of Kanpur	370.40		
60.	Rehabilitation of existing Sewage Treatment Infrastructure, Development of Sewage Treatment Plant at Pankha (30 MLD) along with appurtenant works, and 15 years O&M at Kanpur, Rehabilitation, Operation and Maintenance of 130 MLD STP in Jajmau Zone	967.23	160	

61.	Vrindavan-Rehabilitation of Sewerage Infrastructure and Augmentation/Upgradation of STP (5 MLD)	30.00		
62.	Interception, diversion of Drains and Sewage Treatment works at Unnao	102.20	13	3.3
63.	Interception, diversion of Drains and Sewage Treatment works at Shuklaganj	65.18	6	0.15
64.	Interception, Diversion and Treatment Works in Chunar	27.98	2	1.16
65.	Interception, Diversion and Treatment Works for abatement of Pollution of River Ganga at Mirzapur Town	114.93	17	
66.	Interception, Diversion and Sewage Treatment Works in Farrukhabad-Fategarh	213.62	35	5.76
67.	Sewerage, Sewage Treatment and Disposal works in Ghazipur City	90.81	21	
68.	Rehabilitation/Renovation of Mathura sewerage scheme: Construction of 30 MLD STP at Masami	460.45	67.50	
69.	Interception and Diversion (I&D) of drains at Ayodhya	37.67		5.00
70.	Interception and Diversion with STP at Sultanpur	64.79	17.00	8.00
71.	Interception and Diversion with STP at Kasganj	76.73	15.00	2.80
72.	Interception and Diversion with Rehabilitation of sewerage scheme at Agra	857.26	175.38	17.61
73.	Interception and Diversion works and STP at Muzaffarnagar	231.79	22.00	
74.	Interception and Diversion works and STP at Budhana	48.76	10.00	
75.	Interception and Diversion works and STP at Bareilly	271.39	63.00	
Bihar				
76.	Begusarai-Sewer Network, SPS and STP	230.06	17.00	114
77.	Buxar-Sewer Networks, SPS and STP	74.95	16.00	95.21

1	2	3	4	5
78.	Hajipur Sewer Networks, SPS and STP	305.19	22.00	189.30
79.	Munger-Sewer Networks, SPS and STP	294.02	30.00	174.75
80.	Sewage Treatment Plant-Beur	68.16	43	
81.	Sewerage system with Sewer network, Patna Beur	225.77		179.74
82.	Sewage Treatment Plant-Karmalichak	77.04	37	
83.	Saidpur STP and adjoining Network for Patna	184.93	60.00	
84.	Saidpur Sewer Network	268.63		
85.	Sewerage system with Sewer Network, Patna Karmalichak	277.42		96.54
86.	Sewage Treatment Plant at Pahari-Patna	191.62	60	
87.	Sewerage scheme at Pahari [Zone-IVA (S)], Patna, Bihar	184.86		87.69
88.	Sewerage scheme at Pahari Zone-V, Patna, Bihar	356.37		115.93
89.	Interception, Diversion and Sewage Treatment Plant works-Mokama	53.81	8.00	
90.	Barh-Interception, Diversion and Sewage Treatment Plant	58.26	11	
91.	Sewage Treatment Plant (100MLD) and Sewerage Network (288 km.) in Digha-Patna	824	100	288
92.	Sewage Treatment Plant (50MLD) and Sewerage Network (150 km.) in Kankarbagh-Patna	578.89	50.00	150
93.	Interception, Diversion and Sewage Treatment Plant-Sultanganj	60.22	10.00	
94.	Interception, Diversion and Sewage Treatment Plant-Naugachia	60.79	9.00	
95.	Interception and Diversion and STP works in Bhagalpur	254.13	65	

96. Interception and Diversion and STP works in Sonepur	30.93	3.50	18.95
97. Interception and Diversion and STP works in Chhapra	236.15	32.00	
98. Interception and Diversion and STP works in Fatuha	35.49	7	
99. Interception and Diversion and STP works in Bakhtiyarpur	35.88	10	
100. Interception and Diversion and STP works in Khagaria	21.00	4.50	
101. Interception and diversion and STP works in Maner	41.36	6.5	
Jharkhandv			
102. Sahibganj-Sewerage scheme and STP	118.62	12	55
103. Rajmahal-Sewerage scheme and STP	56.76	3.50	34.21
West Bengal			
104. Gayeshpur-Sewerage system and STP	168.67	8.23	61
105. Kalyani-Sewerage system and STP	57.87	21	46.33
106. Bhatpara-Sewerage system and STP	228.52	31	125
107. Sewerage scheme and STP Halishar	274.76	16	226.99
108. Sewerage System and STP at Budge-Budge	145.98	9.30	131.59
109. Barrackpore-Sewerage system with Sewer network and STP	272.32	24	247.14
110. Kancharapara-Interception and Diversion with STP (Upgradation of existing 13 MLD STP to 18 MLD capacity)	48.77	18	2.50
111. Abatement and Rehabilitation of Tolly's Nullah (Adi Ganga), Kolkata-(Interception and Diversion with PS and STP)	307.12	26.10	114

1	2	3	4	5
112.	Pollution Abatement Works for River Ganga at Howrah (Interception and Diversion with STP)	185.22	65	
113.	Pollution Abatement Works for River Ganga at Bally under Howrah Municipal Corporation (Interception and Diversion with STP)	164.93	40	
114.	DPR of Interception and Diversion Network for existing drains falling in river Ganges including STP at Nabadwip Municipality.	54.30	20	4
115.	Pollution Abatement works for River Ganga at Behrampore-Municipal Town (Interception and Diversion)	51.21	3.50	5.25
116.	Kamarhati and Baranagar Municipalities-STP and Sewer network	172.10	60	9
117.	Rehabilitation of Garden Reach STP, 57 MLD Capacity and Keorapukar STP, 45 MLD capacity including 15 years O&M at Kolkata	165.16	102	
118.	Pollution Abatement works for River Ganga at Maheshtala-Municipal Town (Interception and Diversion with STP)	198.43	28.10	
119.	Pollution Abatement Works for River Ganga at Jangipur (Interception and Diversion with STP)	68.47	13	11.38
120.	Interception and Diversion with STP at Burdwan	234.31	50	19
121.	Pollution Abatement works for River Ganga at Hooghly Chinsurah-Municipal Town (Interception and Diversion with STP)	160	29.30	20
122.	Interception and Diversion Network for Drains including Pumping Stations and STP under Durgapur Municipality	287.53	80.00	11.39
Haryana				
123.	Panipat-Sewerage and Sewage Treatment Plant (STP)	129.51	180	24.19

124. Sonapat-Sewerage and Sewage Treatment Plant (STP)	88.36	110	16.78
Delhi			
125. Rehabilitation of Trunk Sewer No.4	87.43		8.49
126. Rehabilitation of Trunk Sewer No.5	83.40		7.71
127. Rehabilitation and upgradation of Kondli Phase-I STP (45 MLD), Phase-II STP (114 MLD) and Phase-III STP (45 MLD)	239.11	204	
128. Rehabilitation of Rising Mains	59.13		8.13
129. Rehabilitation of Trunk Sewers	43.92		5.09
130. Rehabilitation of Rising Main	45.40		6.16
131. Rehabilitation and upgradation of Phase-I STP (182 MLD)	211.79	182	
132. Construction of 564 MLD (124 MGD) Waste Water Treatment Plant (WWTP) with Effluent Standards of BOD-10mg/l, TSS-10 mg/l or better and Power Generation 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	564.00	
133. Construction of 7 Nos .prioritized STPs, 1 No. SPS and Peripheral Sewers in Command area of Najafgarh Drain (Dhansa to Keshopur)-(under Namami Gange Programme)	344.81	94	90
134. Decentralized STPs and Water bodies Rejuvenation-Chattarpur Assembly Constituency, South Delhi	65.24	22.50	
135. Construction of 318 MLD (70 MGD) WWTP with 10 years O&M at Coronation Pillar, Delhi	515.07	318	
Himachal Pradesh			
136. Sewerage Scheme for Zone-II and III of Paonta Town, Himachal Pradesh	15.07	1.72	
TOTAL	20623.13	4137.56	4965.46