



F.No.B-190189/WQM-II/CPCB/2016-17

Dated: 21.02.2020

To,
Regional Director,
Eastern Regional Directorate,
Southern Conclave, Block-502, 5th & 6th Floors,
#1582, Rajdanga Main Road, Kolkata 700107

Subject: Joint Monitoring of drains from Gangotri to the Bay of Bengal during Pre-monsoon, 2020

Sir,

Pre-Monsoon, 2020 monitoring of drains discharging into River Ganga and its tributaries (Banganga, Ramganga, Kali East and Pandu) from Gangotri to the Bay of Bengal is scheduled to be conducted during March 1st – May 31st, 2020.

It is proposed that apart from the 87 drains identified by CPCB and 4 additional drains provided by BUIDCO during the meeting held on 07.01.2020 shall be monitored by the joint team of officials from CPCB, RD, Kolkata, respective SPCB (WBSPCB, BSPCB, JSPCB) and other concerned departments. Drain, if any, which are yet to be inventorised and not placed in the enclosed list, However discharging into the main stem of River Ganga shall also be monitored.

In view of the above, you are requested to finalize the monitoring schedule and inform the same to CPCB, Head Office. Monitoring shall be completed by May 31, 2020 and monitoring reports be submitted to Head Office by 15.07.2020 positively. Joint monitoring reports would be used as physical compliance verification with respect to Hon'ble NGT order dated 22.08.2019 in the matter of M. C. Mehta Vs. Union of India in O. A. No. 200/2014.

The team shall follow the revised drain monitoring format (copy enclosed) for reporting purposes.

Yours faithfully,

(Signature)
21/02/20

(Dr. A. K. Vidyarthi)

Divisional Head, WQM-II &
Additional Director, CPCB

Encl:

1. List of the drains
2. Revised drain reporting format

List of Identified Drains and Priority Drains to be monitored by RD, Kolkata during Pre-Monsoon, 2020 (Discharged into main stem of River Ganga).

Bihar, Phase-III (UP Border to Jharkhand)				
No. of Identified Drains	Town/Catchment	No. of Priority Drains Pre-Monsoon, 2019	Pollution Sources	If discharged into Drain/River
1.	Buxer	1. Sidnath Drain	Domestic	Ganga Right
2.	Buxer	2. Nath Baba Drain	Domestic	Ganga Right
3.	Buxer	3. Tadka Drain	Domestic	Ganga Right
4.	Buxer	4. Sariapur Drain	Domestic	Ganga Right
5.	Buxer	5. Danapur Cantt Drain	Domestic	Ganga Right
6.	Patna	6. Digba Ghat Drain	Domestic	Ganga Right
7.	Patna	7. Kurzi Drain	Mixed	Ganga Right
8.	Patna	8. Rajapur Drain	Domestic	Ganga Right
9.	Patna	9. Bans Ghat Drain	Domestic	Ganga Right
10.	Patna	10. Collectriate Ghat Drain	Domestic	Ganga Right
11.	Patna	11. Mittan Ghat Drain	Domestic	Ganga Right
12.	Munger	12. ITC Drain	Domestic	Ganga Right
13.	Munger	13. Lal Darwaja drain	Domestic	Ganga Right
14.	Bhagalpur	Jamunia/Champa Drain – Non Priority	Domestic	Champa Nullah Right
15.	Bhagalpur	Adampur Drain – Non Priority	Domestic	Champa Nullah Right
16.	Bhagalpur	14. Sarkikal Drain	Domestic	Ganga Right
17.	Bhagalpur	15. Saklichand Drain	Domestic	Ganga Right
18.	Bhagalpur	16. Barari Ghat Drain	Domestic	Ganga Right
19.	Bhagalpur	Manik Sarkar Drain – Non Priority	Domestic	Champa Nullah
20.	Bhagalpur	17. DN Singh Drain	Domestic	Ganga Right
21.	Bhagalpur	18. Koyal Ghat Drain	Domestic	Ganga Right
22.	Kahalgaon	19. Kowa Drain	Mixed	Ganga Right
Jharkhand, Phase-III (UP Border to Jharkhand)				
No. of Identified Drains	Town/Catchment	No. of Priority Drains Pre-Monsoon, 2019	Pollution Sources	If discharged into Drain/River
23.	Sahebganj	1. Gopal Pull Nallah	Domestic	Ganga Right
24.	Sahebganj	2. Jharna Nallah	Domestic	Ganga Left
West Bengal, Phase-IV (Jharkhand Border to Bay of Bengal)				
No. of Identified Drains	Town/Catchment	No. of Priority Drains Pre-Monsoon, 2019	Pollution Sources	If discharged into Drain/River
25.	Jangipur	1. Jangipur Drain	Domestic	Ganga Left
26.	Kalyani	2. Majher Char Khal	Domestic	Ganga Left
27.	Halisahar	3. Halisahar Drain	Domestic	Ganga Left
28.	Garifa	4. Garifa Drain-South/Ramaghat-Open pucca drain	Domestic	Ganga Left
29.	Garifa	5. Garifa Drain-North	Mixed	Ganga Left
30.	Ramaghat	Ramaghat-Open pucca drain – Non Priority	Domestic	Garifa South Drain
31.	Naihati	6. Thanar Khal	Domestic	Ganga Left
32.	Naihati	Sasan ghat Drain – Non Priority	Domestic	Bhatpara Open Pucca Drain
33.	Hooghly	7. Dhopa Ghat Drain	Domestic	Ganga Right
34.	Hooghly	8. Imambara Khal	Domestic	Ganga Right
35.	Hooghly	9. BIPS Out fall Drain-I	Mixed	Ganga Right
36.	Hooghly	10. ITC Triveni Drain	Mixed	Ganga Right
37.	Hooghly	11. Chinsurah-Majir Rasta Drain	Domestic	Ganga Right
38.	Chinsurah	12. Chandni Ghat Drain	Domestic	Ganga Right
39.	Chandannagar	13. Chandannagar Drain	Domestic	Ganga Right
40.	Bhatapara	14. Bhatapara Drain	Mixed	Ganga Left
41.	Bhatapara	15. Bhatapara-Open pucca drain	Mixed	Ganga Left
42.	Baidyabati	16. Bidyabati Drain	Mixed	Ganga Right
43.	Baidyabati	Seraphouli Khal – Non Priority	Domestic	Ganga
44.	Ichapur	17. Debitala Pancha Khal	Domestic	Ganga Left
45.	Chanddani	18. DVC Canal	Domestic	Ganga Right
46.	Serampore	19. Serampore/Bhagirathi Drain	Domestic	Ganga Right

47.	Serampore	20. Chatra Khal	Domestic	Ganga Right
48.	Barrackpore	21. Barrackpore Khal	Domestic	Ganga Left
49.	Barrackpore	22. Gandhighat Drain	Domestic	Ganga Left
50.	Barrackpore	23. Dholi Ghat Drain	Domestic	Ganga Left
51.	Titagarh	24. Titagarh Drain	Mixed	Ganga Left
52.	Rishra	25. Hasting Ghat Drain	Domestic	Ganga Right
53.	Rishra & Konnagar	26. Bagh Khal	Domestic	Ganga Right
54.	Khardah	27. Khardah Khal	Domestic	Ganga Left
55.	Khardah	28. Balughat-Manirampur pucca drain	Domestic	Ganga Left
56.	Khardah	29. Champdany Ferry Ghat/ Paolghat Drain	Mixed	Ganga Right
57.	Kamarhati	Kashipur Khal/Cossipore – Non Priority	Domestic	Cossipore Khal
58.	Bally	30. Dewangazi Ghat Drain	Domestic	Ganga Right
59.	Bally	31. Bally Khal	Mixed	Ganga Right
60.	Belur	32. Jagatnath Ghat Drain-1	Domestic	Ganga Right
61.	Baranagar	33. Kamarhati Drain @ Jute Mill	Mixed	Ganga Left
62.	Baranagar	34. Kamarhati Drain @ PB Ghat	Domestic	Ganga Left
63.	Baranagar	Baranagar Khal – Non Priority	Domestic	Kuthighat Drain
64.	Baranagar	35. Kuthighat Drain/ Baranagar Khal	Domestic	Ganga Left
65.	Chitpur	36. Chitpur Ghat Khal/ Circular Canal	Domestic	Ganga Left
66.	Cossipore	37. Cossipore/ Kashipur Khal	Domestic	Ganga Left
67.	Shobhabazar/ Chorial	38. Muni Khali Khal	Domestic	Ganga Left
68.	Howrah	39. Pratapnagar-Rajbari Drain	Domestic	Ganga Left
69.	Howrah	40. Telkal Ghat Drain	Mixed	Ganga Right
70.	Howrah	41. Ramkrishna Ghat Drain	Mixed	Ganga Right
71.	Howrah	42. 101, Foreshore Road Drain	Mixed	Ganga Right
72.	Howrah	43. Sarasvati Khal	Domestic	Ganga Right
73.	Babughat	Circular Canal – Non Priority	Domestic	Disappeared
74.	Fort William	Fort William Drain – Non Priority	Domestic	Disappeared
75.	Kalighat	44. Tolly Nala	Domestic	Ganga Left
76.	Kalighat	45. Nimtala Khal	Domestic	Ganga Left
77.	Khidderpore	46. Dhankheti/ PB Ghat Khal	Mixed	Ganga Left
78.	Shibpur-Howrah	47. Shibpur Burningghat Drain	Domestic	Ganga Right
79.	Garden Reach	48. Bagher Khal	Domestic	Ganga Left
80.	Garden Reach	49. 130 Foreshore Road Drain	Domestic	Ganga Right
81.	Sankrail	50. Nazerganj Khal	Mixed	Ganga Right
82.	Sankrail	51. Singhi More Khal	Domestic	Ganga Right
83.	Sankrail	52. N.C. Pal Khal	Domestic	Ganga Right
84.	Sankrail/ Sarenga	53. Bazarpara-Garighat Drain/ Sharenga Khal	Mixed	Ganga Right
85.	Budge Budge	54. Akhra Food Ghat drain	Domestic	Ganga Left
86.	Jagatddal	55. Alliance Mill Drain	Domestic	Ganga Left
87.	Bandel	56. Rosbara Drain	Domestic	Ganga Right

Note

1. Drains having any status which are **not discharges** directly into main stem of River Ganga and its tributaries (Banganga, Ramganga, East Kali & Pandu) were considered as **non-priority** drains from 2019 (highlighted).
2. However, any drains which having any status which discharges directly into main stem of River Ganga were considered as priority drains from Pre-monsoon, 2019.

DRAIN MONITORING FORMAT
(All Fields are Compulsory)

Date & Time of sampling:

1.	Name of the Drain (as per list enclosed, if new please mention)	:			
2.	Meeting Banganga/Ganga/Ramganga/Kali-east/Others at Left/Right	:	(Name of River – Left/ Right)		
3.	Name of the Regional Office of SPCB	:			
4.	Source of Pollution load (Domestic/ Mixed/ Industrial)	:			
5.	If Industrial /Mixed (name of the units – sector – effluent generation) details may be obtained from the concert regional officers of SPCB	:			
6.	Traceable length (in Km) before meeting Ganga and its tributaries (through google earth/map)	:			
7.	Catchment areas (mention include the town of origin and confluence with river)	:			
8.	Co-ordinate of the confluence point (if not reachable indirect though google earth/map) (Decimal units)	Latitude	:		
		Longitude			
	Distance from confluence point (may the find out over google earth/map), KM	:			
9.	Co-ordinate of the sampling point (Decimal units)	Latitude	:		
		Longitude			
10.	Landmarks / Address of the Location	:			
11.	Flow (MLD) if zero indicate whether dry/ stagnant/ closed/ tapped/ covered by solid waste/ eutrophication/ unmeasurable due to less flow	:		Length = Width = Depth =	Time = Factor =
12.	Interim Remediation measure adopted (Yes/No)	:			
13.	If yes, provide about	Date of Commissioning	:		
		Capacity of Remediation (MLD)	:		
		Technology adopted	:		
		Budget	:		
14.	Observations	:			
15.	Urgent action required, if any	:			
16.	Name of all monitoring officers along with Designation	:			
17.	Photos	:			
Sampling Point/Confluence point			Confluence point/ others		

ANALYSIS RESULT

GENERAL PARAMETERS			
Sl. No.	Parameters	Results	
1.	Colour (Hazen)	:	
2.	pH	:	
3.	BOD (mg/l)	:	
4.	COD (mg/l)	:	
5.	TSS (mg/l)	:	
6.	TDS (mg/l)	:	
7.	Cl ⁻ (mg/l)	:	
8.	NH ₃ -N (mg/l)	:	
9.	NO ₃ ⁻ (mg/l)	:	
BIOLOGICAL PARAMETERS			
10.	TC (MPN/ 100 ml)	:	
11.	FC (MPN/ 100 ml)	:	
TRACE METAL/ HEAVY METAL			
12.	Arsenic (As) mg/l	:	
13.	Cadmium (Cd) mg/l	:	
14.	Total Chromium (Cr) mg/l	:	
15.	Copper (Cu) mg/l	:	
16.	Iron (Fe) mg/l	:	
17.	Lead (Pb) mg/l	:	
18.	Manganese (Mn) mg/l	:	
19.	Nickel (Ni) mg/l	:	
20.	Mercury (Hg) mg/l	:	
21.	Zinc (Zn) mg/l	:	
22.	Antimony (Sb) mg/l	:	
23.	Cobalt (Co) mg/l	:	
24.	Selenium (Se) mg/l	:	
25.	Vanadium (V) mg/l	:	
PESTICIDE			
26.	Water temperature (°C)	:	
Pesticide Analysis Report (OPPs)			
27.	Dimethoate (µg/l)	:	
28.	Methyl Parathion (µg/l)	:	
29.	Malathion (µg/l)	:	
30.	Chloropyriphos (µg/l)	:	
31.	Ethion (µg/l)	:	
Pesticide Analysis Report (OCPs)			
32.	α-HCH (µg/l)	:	
33.	β-HCH (µg/l)	:	
34.	γ-HCH (µg/l)	:	
35.	δ-HCH (µg/l)	:	
36.	Aldrin (µg/l)	:	
37.	Dieldrin (µg/l)	:	
38.	α-Endosulfan (µg/l)	:	
39.	β-Endosulfan (µg/l)	:	
40.	OP'DDT (µg/l)	:	
41.	PP'DDT (µg/l)	:	
42.	PP'DDE (µg/l)	:	