

PRIORITY – IV

9. NAME OF THE RIVER: **MATHABHANGA**
RIVER STRETCH: **MADHUPUR TO GOBINDAPUR**
Towns/Urban agglomerates identified by WBPCB: **NIL**

AS THE RIVER MATHABHANGA MAY BE TREATED AS THE UPSTREAM OF RIVER CHURNI, IT IS PROPOSED BY THE WBPCB THAT THE DETAILED REPORT WOULD BE SIMILAR TO THAT OF THE RIVER CHURNI.

PRIORITY – V

10. NAME OF THE RIVER: **BARAKAR**
RIVER STRETCH: **KULTI TO ASANSOL**
Towns/Urban agglomerates identified by WBPCB: **ASANSOL MUNICIPAL CORPORATION**

AS PROPOSED, THE DETAILED REPORT WILL BE SUBMITTED BY WBPCB AND ADDA.

PRIORITY – V

11. NAME OF THE RIVER: **DWARAKESWAR**
RIVER STRETCH: **BANKURA TO KUSTIA**
Towns/Urban agglomerates identified by WBPCB: **BANKURA MUNICIPALITY**

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
1.	Population	137386	
2.	No. of wards	24	
3.	Municipal Solid Waste generated per day	65 MT	
4.	Number and location of drains discharging untreated municipal waste of Bankura Municipality into the river Dwarakeshwar and Gandeshwari	<p>➤ Drains discharging into the river Dwarakeshwar</p> <ol style="list-style-type: none">1. Lokepur Ghat, Ward - 132. Raja gram, Ward - 143. Raja gram, Ward – 144. Kankata, Ward – 165. Patpur Power House, Ward – 176. Minapur Sasan, Ward - 177. Patpur Napopara, Ward – 178. Kethardanga Patakola, Ward – 199. Kethardanga Bagdipara, Ward – 1910. Kethardanga Chaitkali Ghat, Ward – 23 <p>➤ Drains discharging into the river Gandeshwari</p> <ol style="list-style-type: none">11. Near Palashtola Mahasasan, Ward – 912. Near Satighat, Ward – 813. Opposite Lakhatora, Ward – 714. Opposite Sukantapally Durga Mondap, Ward – 715. Opposite Singha Lodge, Ward – 7	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
5.	<p>Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water</p> <p>Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any</p>	<p>No such plants are available within this municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the rivers Dwarakeshwar and Gandeshwari, will be prepared shortly.</p> <p>Expected time of completion of the preparation of the Project Report: July, 2019.</p>	
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>a) 65 MT</p> <p>b) Mixed</p> <p>c) 70%</p> <p>d) Tractor, Tractor, Truck, Compactors</p> <p>e) Municipality is exploring the facilities.</p> <p>f) Keshra Dumping Ground, situated 7 Km away from Municipal Office.</p> <p>g) Yes; An Integrated SWM DPR was prepared and sanctioned in 2nd SHPC on 28th March 2018.</p> <p>Probable CAPEX for 100% waste processing: 23.25 Crore</p> <p>May be implemented by December, 2022</p>	<p>A DPR for Integrated Solid Waste Management was prepared and sanctioned in 2nd SHPC. The construction of processing facility will commence shortly after verification of its sustainability. The project may be implemented within 2 years from initialisation of the project.</p> <p>Besides, UD&MA Dept. had provided 2 nos. 14m³ movable compactor, 1 no. 10m³ hydraulic dumper truck and 2 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
7.	Trade and sewage generated in the catchment area of polluted river stretch	Does not arise	
8.	Plantation on both sides of the polluted river	Required. A plan for plantation near river Dwarakeshwar & Gandeshwari will be made.	MEDte. may prepare a specific plan.
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	No	
10.	Names of the ghats, specifying ward no., on river Gandeshwari and Dwarakeshwar within the municipal boundary.	<ul style="list-style-type: none"> ➤ Ghats beside the river Gandeshwari <ol style="list-style-type: none"> 1. Satighat (Ward – 7 & 8) 2. Pathakpara Pump House ghat (Ward – 8) 3. Mishrapara ghat (Ward – 9) ➤ Ghats beside the river Dwarakeshwar <ol style="list-style-type: none"> 4. Rajgram Pump House ghat (Ward – 14) 5. Rajgram Simuldangaghat (Ward – 14) 6. Lokepur ghat (Ward – 13) 7. Rajgram Kumorpara ghat (Ward – 13) 8. Minapur Sasan ghat (Ward – 17) 9. Patpur Namopara ghat (Ward – 17) 10. Patpur Power Houseghat (Ward – 17) 11. Kethardanga Bagdiparaghat (Ward – 19) 12. Kethardanga Patakolaghat (Ward – 19) 13. Kethardanga Chaitkalighat (Ward – 23) 	

PRIORITY – V

12. NAME OF THE RIVER:

KALJANI

RIVER STRETCH:

BITALA TO ALIPURDUAR

Towns/Urban agglomerates

identified by WBPCB:

ALIPURDUAR MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	65232 (as per Census 2011)	
2.	No. of wards	20	
3.	Municipal Solid Waste generated per day	8 MT to 10 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Alipurduar Municipality into the river Kaljani	All the following points are having sluice gates where water flows in a reverse direction, i.e., from the river towards the city: <ol style="list-style-type: none"> 1. Arabindanagar, Ward No.- 01 2. Near Crematorium, Ward No.-01 	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		3. Near Dima Bridge, Ward No. 01 & 08 border 4. Hatathcolony, Ward No.- 08 5. Bidhanpalli, Ward No.- 09 6. Near Crematorium, Ward No.- 10 7. Uttarpara, Ward No.- 10 8. Near Asutosh Club, Ward No.- 11 9. Palash Bari, Ward No.-11 10. SantidhamAsram, Ward No.- 11 11. Near Babupara Rail Bridge, Ward No.- 12 12. Near BM Club, Ward No.- 18 13. Sanjay Colony, Ward No.- 18	
5.	<p>Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water</p> <p>Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any</p>	<p>-</p> <p>No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Kaljani, will be prepared shortly.</p> <p>Expected time of completion of the preparation of the Project Report: July, 2019.</p> <p>Project may be completed within two years from sanctioning of the project.</p> <p>(Implementing agency: either ULB/MEDte.)</p>	
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p>	<p>a) 8 MT (approx.)</p> <p>b) No segregation practice done</p> <p>c) 80%</p> <p>d) By motor vehicles (e.g., tractor – trailer, truck etc.)</p> <p>e) Municipality is exploring the facilities.</p> <p>f) No dumping ground in accordance with solid waste management scheme is available</p>	<p>UD&MA Dept. had provided 100nos. 240lits.</p> <p>Community bins, 1 no. 14m³ movable compactor, 1 no. 10m³ hydraulic dumper truck and 1 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p> <p>Land for setting up of a scientific SWM project had been identified. DPR will be</p>

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	g) Whether any DPR regarding SWM prepared and submitted	<p>under this municipality. The matter is under process, wastes are disposed off by land filling and turning as far as practicable.</p> <p>g) Prepared and submitted by MEDte. on behalf of this ULB.</p> <p>Probable CAPEX for 100% waste processing: 20.25 Crore</p> <p>May be implemented by December, 2022</p>	<p>prepared after finalisation of the land within 3 months from the date of availability of the land.</p> <p>Project will be implemented by 3years after sanctioning and approval of the project.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Kaljani , as mentioned	
8.	Plantation on both sides of the polluted river	Plantation on both side of river Kaljani covering ward no. 8, 9 and 10, had been done.	
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	<p>Yes, Submitted under National Lake Conservation Plan to MoEF during 2013, but not yet approved.</p> <p>No Parks are situated on Flood plains. Parks are situated in town area.</p>	
10.	Names of the ghats, specifying ward no., on river Kaljani within the municipal boundary.	<ol style="list-style-type: none"> 1. Uttarpara, Ward No.- 10, 2. Subhashpalli, Ward No.- 15, 3. Bokribari, Ward No.- 18. 	

PRIORITY – V

13. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates
identified by WBPCB:

KAROLA
JALPAIGURI TO THAKURER KAMAT
JALPAIGURI MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	107348 (as per Census 2011)	
2.	No. of wards	25	
3.	Municipal Solid Waste generated per day	48.24 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Jalpaiguri Municipality into the river Karala	<ol style="list-style-type: none"> 1) Behind AC College (W/21) - 2nos 2) Beside Muslim Burial Ground (W/22) - 2nos 3) Beside Burning Ghat (W/22) within Maskalaibari Crematorium Compound 4) North of NSBT (W/25) 5) On Gosala Road (W/25) - 3nos 6) Opposite to Gosala Road(W/01) - 2 nos 7) Behind NBSTC Bus Terminus (W/25) 8) Beside the RCC bridge on Karala near Stadium (W/25) Shantipara 9) Beside Basic Training Institute (W/25) Shantipara 10) Near Beguntary More(W/4) Dinbazar 11) Behind Hospital (W/4) Samaj Para 12) Dhardhara River(W/3) 13) Opposite to Ususi Lodge(W/5) 14) Beside Kala Bhawan(W/3) 15) Near Karala Girls School(W/8) 16) Beside the ghat on River Karala near Karala Girls School (W/8) 17) Behind PWD building(W/3) behind Netaji Sangrahasala 18) Beside RCC bridge on river Karala near Teesta Uddyan (W/8) Behind mahamaya kalimandir 19) Southern end of the town (W/9) Pilkhana 	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	- No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Karala, will be prepared by MEDte. shortly. Expected time of completion of the preparation of the Project Report: July, 2019. Implementation of the project will require 3 years from the date of sanctioning.	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>a) 48.24 MT (approx.)</p> <p>b) 60% dry and 40% wet waste percentage.</p> <p>c) 80%</p> <p>d) Motorised and non-motorised</p> <p>e) Municipality is exploring the facilities.</p> <p>f) Balapara Dumping Ground.</p> <p>g) Yes; it was sanctioned in the 1st SHPC, on 5th January 2017. The SWM project with processing facility of Waste to Energy, i.e. Bio-Gas Plant is under construction.</p> <p>CAPEX for 100% waste processing: 23.25 Crore</p> <p>May be implemented by December, 2020</p>	<p>An integrated SWM project was sanctioned in the 1st SHPC, under Swachh Bharat Mission (Urban). The project had been initiated with procurement of bins and other equipments & vehicles. Construction of processing facility is now held up for further evaluation of the project sustainability. It will be expected to be operative within by three years resuming of the project. Executing agency: ULB and MEDte.</p> <p>Besides, UD&MA Dept. had provided 2nos. 14m³ mobile compactors, 1 no. 10m³ hydraulic dumper truck and 2 nos. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		municipal area is polluting the identified stretch of river Karala , as mentioned	
8.	Plantation on both sides of the polluted river	Plantation and beautification work is being done in ward nos. 22, 25, 01, 04, 02, 03, 05, 08, 09.	May be executed by: either ULB/MEDte.
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	Throughout both the side of river Karala , park and beautification work is being done in ward nos. 22, 25, 01, 04, 02, 03, 05, 08, 09. 70% work is already completed.	May be executed by: either ULB/MEDte.
10.	Names of the ghats, specifying ward no., on river Karala within the municipal boundary.	<ol style="list-style-type: none"> 1) Maskalaibari Ghat(w/22) 2) Biswas Pally Ghat(W/22) 3) Biswas Colony Ghat(w/22) 4) Netaji Para Ghat (W/25) 5) Dinbazar Ghat(W/04) 6) Samajpara Ghat (W/05) 7) Dhobighat Babupara(W/05) 8) BABupara ghat (W/08) 9) Babupara Subhassetu Ghat(W/08) 10) Kingsaheb Ghat(W/08) 	

PRIORITY – V

14. NAME OF THE RIVER:

MAYURAKSHI

RIVER STRETCH:

SURI TO DURGAPUR

Towns/Urban agglomerates

identified by WBPCB:

SURI MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
1.	Population	67864 (as per Census: 2011) 77000+ (current population) (approx.)	
2.	No. of wards	19	
3.	Municipal Solid Waste generated per day	30 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Suri Municipality into the river Mayuraksi .	No such drains are directly discharging into the main stem of river Mayurakshi . The main drain within the municipal area is discharging its flow in open land/water body in	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
		nearby Panchayet area, which is approx. 4 km away from the river Mayurakshi .	
5.	<p>Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water</p> <p>Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any</p>	<p>No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Mayurakshi, from nearby Panchayet area, will be prepared shortly.</p> <p>Expected time of completion for preparation of the Project Report: July, 2019.</p> <p>Project may be implemented by three years from the date of sanctioning.</p>	
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>a) 30 MT (approx.)</p> <p>b) Mixed</p> <p>c) 100%</p> <p>d) Hand cart and Tractor</p> <p>e) Municipality is exploring the facilities</p> <p>f) 8 km away from river bed.</p> <p>g) A DPR for management of Municipal Solid Waste will be prepared within six months, after identification/finalisation of the disposal ground. Project will be implemented by 3 years from sanction and approval of the same.</p>	<p>UD&MA Dept. had provided 1 no. 14m³ movable compactor, 1 no. 10m³ hydraulic dumper truck and 1 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p> <p>Probable CAPEX for 100% waste processing: 20.25 Crore</p> <p>May be implemented by December, 2022</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	The polluted stretch of river Mayurakshi does not fall	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
		under this municipal jurisdiction.	
8.	Plantation on both sides of the polluted river	Either side of river Mayurakshi do not fall within its jurisdiction.	
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments		
10.	Names of the ghats, specifying ward no., on river Mayurakshi within the municipal boundary.	Does not arise.	

PRIORITY – V

15. NAME OF THE RIVER:

RUPNARAYAN

RIVER STRETCH:

KOLAGHAT TO BENAPUR

Towns/Urban agglomerates

identified by WBPCB:

TAMRALIPTA MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	65312 (as per Census 2011) 78522 (approx. current population as of 2018)	
2.	No. of wards	20	
3.	Municipal Solid Waste generated per day	22 MT to 24 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Tamralipta Municipality into the river Rupnarayan	The three natural drainage outlets in the Tamralipta town namely : 1. Sankarara Khal; Ward No.: 14,, 18, 15, 13, 17, 7, 11, 10, 9, 8 2. Narayanpur Khal; Ward No.: 19 3. Pairatunga Khal; Ward No.: 1, 5, 6, 2, 4, 10 4. Ward No.: 1, 2, 3, 8, 7, 9 (adjacent canal/sub-urban part of village)	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	- No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		Rupnarayan, will be prepared by MEDte. shortly. Expected time of completion of the preparation of the Project Report: July, 2019.	
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>a) 20-22 MT (approx.)</p> <p>b) 100% door to door collection is done. No segregation is practiced.</p> <p>c) 80%</p> <p>d) By motor vehicles (e.g., tractor – trailer, truck etc.)</p> <p>e) Municipality is exploring the facilities.</p> <p>f) Disposal ground is located at Ward No. 18.</p> <p>g) Prepared and submitted by MEDte. on behalf of this ULB.</p>	<p>UD&MA Dept. had provided 1 no. 10m³ hydraulic dumper truck and 1 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality. Land for setting up of a scientific SWM project had been identified. DPR will be prepared after finalisation of the land within 3 months from the date of availability of the land.</p> <p>Probable CAPEX for 100% waste processing: 20.25 Crore</p> <p>May be implemented by December, 2022</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Rupnarayan, as mentioned	
8.	Plantation on both sides of the polluted	Plantation on both side of	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	river	river Rupnarayan , had been done.	
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	Yes, A proposal for constructing amusement park cum resort was sent to the Department for sanctioning under ADP (2019-20).	
10.	Names of the ghats, specifying ward no., on river Rupnarayan within the municipal boundary.	1. Ferry Ghat, Ward No.- 14	

PRIORITY – V

16. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates
identified by WBPCB:

SHILABATI
GHATAL TO NISCHINDIPUR
GHATAL MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	54591 (as per Census 2011)	
2.	No. of wards	17	
3.	Municipal Solid Waste generated per day	24 MTPD (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Ghatal Municipality into the river Shilabati	No drain outlets are discharging into the river Shilabati .	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	- No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs, may be prepared by MEDte. shortly. Expected time of completion of preparation of the Project Report: July, 2019. Implementation of the project will require 3 years from the date of sanctioning.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of		UD&MA Dept. had provided 1no. 14m ³ mobile

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	<p>management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted.</p>	<p>a) 24 MT (approx.)</p> <p>b) 15% dry and 85% wet waste percentage.</p> <p>c) 35%</p> <p>d) Through tractors, auto-tippers, compactors, tricycle van etc.</p> <p>e) Municipality is exploring the facilities.</p> <p>f) Municipal Dumping Ground – Argora, Ward No.: 2, Ghatal Municipality.</p> <p>g) Yes; not yet sanctioned. Project will be implemented by min. 3 years after sanctioning.</p>	<p>compactors, 1 no. 10m³ hydraulic dumper truck and 1 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p> <p>Probable CAPEX for 100% waste processing: 18.75 Crore</p> <p>May be implemented by December, 2022</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Shilabati , as mentioned	
8.	Plantation on both sides of the polluted river	Plantation, beside the river Shilabati , is being done as per requirement.	
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>	2 nos. Parks are under progress in Green City Mission.	Executing agency: either ULB/MEDte.
10.	Names of the ghats, specifying ward no., on river Shilabati within the municipal boundary.	<p>East Side of Shilabati River Basin:</p> <ol style="list-style-type: none"> 1) Banglo Ghat, Ward no.- 13 2) Harh Ghat, Ward no.- 14 3) Puratan Regd. Office Ghat, Ward no.- 15 4) Post Office Chak Ghat, Ward no.- 15 5) Vidyasagar School Ghat, Ward no.- 16 6) Buri Shitala Ghat, Ward no.- 16 	

Sl. No.	Basic information/Points of concern	Present position & future	Timeframe
		<p>7) Kushpata Shitala Mondir Ghat, Ward no.- 17</p> <p>West side of Shilabati River Basin:</p> <p>1) Donga Ghat, Ward no.- 12</p> <p>2) Bakultala Ghat, Ward no.- 11</p> <p>3) Ganga Das Ghat, Ward no.- 4</p> <p>4) Posta Ghat, Ward no.- 4</p> <p>5) Bhasa pul Ghat, Ward no.- 4</p>	

PRIORITY – V

17. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates
identified by WBPCB:

TEESTA
SILIGURI TO PAHARPUR

AS PROPOSED, THE DETAILED REPORT WILL BE SUBMITTED BY MED & WBPCB.

DIRECTOR, SUDA

6th Aug, 2019.

Sl No	Name of the polluted river	Name of the UJB	District	Population (2011)	No. Of Wards	Area (km ²)	Present waste Generation (approx.) [TPD]	TPA	Biodegradable Waste Generation (@ 45%) = CAPACITY OF COMPOST/BIO-METHANATION PLANT	Recyclable Waste (20%)	Construction & Demolition waste (15%)	Rejects or Inerts @ 20%/35% of Total	Cost of Involvement of Micro Planner or TA	Cost of land reclamation	Capital Cost	Capital Cost	Capital Cost	Capital Cost	Capital Cost	Capital Cost	TOTAL CAPEX	O&M per year	
1.	Vidvadhari						TPD	TPA	TPD	TPD	TPD	TPD			Capital Cost	Capital Cost	Capital Cost	Capital Cost	Capital Cost	Capital Cost			
2.	Mahananda	Siliguri MC	Darjeeling	513264	47	41.9	345	124200	155	69	52	69	DPR already prepared in stand alone mode	10,00,00,000.00							44,99,00,000.00	62,99,00,000.00	5,28,61,500.00
3.	Churni	Ranaghat	Nadia	75365	19	7.72	40	14400	18	8		14		5,00,00,000.00							14,45,00,000.00	22,70,00,000.00	50,40,000.00
4.	Dwaraka	Asansol MC	Paschim Bdn.	791151	106	322.11	532	191520	239	106	80	106	28,00,000.00	10,00,00,000.00	22,00,00,000.00						10,00,00,000.00	1,05,00,00,000.00	8,14,57,200.00
6.	Damodar	Durgapur MC	Paschim Bdn.	566517	43	154.2	381	137160	171	76	57	76	28,00,000.00	10,00,00,000.00	20,00,00,000.00						10,00,00,000.00	1,01,00,00,000.00	5,82,47,100.00
7.	Jalangi	Krishnanagar *	Nadia	153062	24	15.96	81	29160	36	16		28	25,00,000.00	2,00,00,000.00	5,00,00,000.00						4,00,00,000.00	23,25,00,000.00	1,02,06,000.00
8.	Kansi	Midnapore	Paschim Med.	169264	25	18.36	90	32400	41	18		32	25,00,000.00	2,00,00,000.00	5,50,00,000.00						5,00,00,000.00	26,75,00,000.00	1,13,40,000.00
9.	Matha bhanga	Durgapur MC	Paschim Bdn.	566517	43	154.2	381																
10.	Barakar	Asansol MC	Paschim Bdn.	791151	106	322.11	532																
11.	Dwarakeswar	Bankura	Bankura	137386	23	19.06	73	26280	33	15		26	25,00,000.00	2,00,00,000.00	5,00,00,000.00						4,00,00,000.00	23,25,00,000.00	91,98,000.00
12.	Kalaini	Alipurduar	Alipurduar	65232	20	9.57	35	12600	16	7		12	25,00,000.00	2,00,00,000.00	4,00,00,000.00						4,00,00,000.00	20,25,00,000.00	44,10,000.00
13.	Karola	Jalpaiguri	Jalpaiguri	107341	25	12.98	57	20520	26	11		20	25,00,000.00	2,00,00,000.00	5,00,00,000.00						4,00,00,000.00	23,25,00,000.00	71,82,000.00
14.	Mayurakshi	Sainthia	Birbhum	44601	16	10	24	8640	11	5		8	25,00,000.00	2,00,00,000.00	3,00,00,000.00						4,00,00,000.00	18,25,00,000.00	30,24,000.00
15.	Rupnarayan	Suri	Birbhum	67864	18	10.25	36	12960	16	7		13	25,00,000.00	2,00,00,000.00	4,00,00,000.00						4,00,00,000.00	20,25,00,000.00	45,36,000.00
16.	Siabati	Tamluk	Purba Med.	65306	20	17.86	35	12900	16	7		12	25,00,000.00	2,00,00,000.00	4,00,00,000.00						4,00,00,000.00	20,25,00,000.00	44,10,000.00
17.	Teesta	Ghatal	Paschim Med.	54591	17	10.4	29	10440	13	6		10	25,00,000.00	2,00,00,000.00	3,50,00,000.00						4,00,00,000.00	18,75,00,000.00	36,54,000.00

Weekly co-ordination meeting of RRC members on 26th July 2019 at 2:00 PM

1 message

Program Director <spmg.programdirector@gmail.com>

Tue, Jul 23, 2019 at 3:04 PM


To: ms@wbpcb.gov.in, ceokmda@gmail.com, environmentwb@gmail.com, nirajsinghal.ifs@gmail.com, mc@kmcgov.in, citizencare.hmc@gmail.com, commissioner.howrah@gmail.com, Siliguri Municipal Corporation <smcwb@hotmail.com>, Sonam W Bhutia <commissioner.smc9@gmail.com>, SJDA WEST BENGAL <sjdawb@gmail.com>, ceo_adda@yahoo.com, directorswid@gmail.com, ujjal kumar mukhopadhyay <ujjal@wbpcb.gov.in>, biswajitmukherjee23@rediffmail.com, wbidc@wbdc.com, cs.wbsidcl@gmail.com, iwd.prsecy@gmail.com, secit@wb.gov.in, acsforestwb@gmail.com, secy@wbphed.gov.in, acs.msme@gmail.com, prin.secycy.wbhealth@gmail.com, "WRI&D Department Govt. of WB" <wridd.wb@gmail.com>, secy.ma-wb@gov.in, ps.agri-wb@nic.in, secy-prd@nic.in, spmg.aniruddha@gmail.com, sonaliduttaray@gmail.com, TVN Rao <thanukula@gmail.com>, Bijoy Krishna Pal <wbsudadir@gmail.com>, Biplab Mukherjee <biplab_mukherjee05@yahoo.co.in>, Biswajit Mukherjee <kmdagap@gmail.com>, Debjani Bhattacharya <adiwb.admn@gmail.com>, Kaushik Das <secretarymedte@gmail.com>, Prasenjit Hans <prasenjithans.office@gmail.com>, Prodip Mukhopadhyay <prodip.mukhopadhyay@webel-india.com>, RK Middy <rmiddy@yahoo.com>, S Chattopadhyay <dg_swm@kmcgov.in>, Soumitra Sengupta <ce_pwqm@wbphed.gov.in>, bkpal.suda@gmail.com

Sir/Madam,

The notice of weekly co-ordination meeting of RRC is attached herewith for kind perusal.

Regards,

Program Director, WBSPMG

 Weekly co-ordination meeting on 26th July-2019.pdf
1209K



West Bengal State NGRBA Program Management Group (SPMG)
Urban Development & Municipal Affairs Department,
Govt. of West Bengal

Memo No.: 1922--NGRBA/SPMG/AP-NGT-505(P-II)/2018/2019

Dated: 23/07/2019

Weekly co-ordination meeting of RRC members on 26th July 2019
at.....

In pursuance to the 4th RRC meeting held on 4th July 2019 at 11:30 AM regarding the directives of the Hon'ble NGT (OA No: 673/2018) dated 08-04-2019, next weekly co-ordination meeting will be held on 26th July 2019 at 2:00 pm .. at the Conference Hall of KMDA (Unnayan Bhavan, 3rd Floor, Block-A).

All the members and authorised departmental representatives are requested to remain present in the meeting with modified Action Plan with timeline and budgetary provision.

Sd/-
Program Director, WBSPMG
& CEO, KMDA

Memo No.: 1922/1(23) NGRBA/SPMG/AP-NGT-505(P-II)/2018/2019

Dated: 23/07/2019

Copy forwarded for necessary action with request to attend the said meeting-

1. Member Secretary, West Bengal Pollution Control Board - Chairman
2. Chief Environment Officer, Environment Department-Member.
3. Commissioner of Kolkata Municipal Corporation - Member.
4. Commissioner of Howrah Municipal Corporation- Member.
5. Commissioner of Siliguri Municipal Corporation- Member.
6. Chief Executive Officer, Siliguri Jalpaiguri Development Authority - Member.
7. Chief Executive Officer, Asansol Durgapur Development Authority - Member.
8. Director, State Urban Development Agency - Member.
9. Director, Water Investigation Directorate - Member.
10. Chief Scientist, West Bengal Pollution Control Board - Member.
11. Chief Engineer, Kolkata Metropolitan Development Authority - Member.
12. The Director of Industries, Commerce & Industries Department - Member.
13. Representative not below the rank of Joint Secretary, Irrigation and Waterways Department - Member.
14. Representative not below the rank of Joint Secretary, Information Technologies & Electronics Department - Member.
15. Representative not below the rank of Joint Secretary, Forest Department - Member.

-
16. Representative not below the rank of Joint Secretary, Public Health Engineering Department. - Member.
 17. Representative not below the rank of Joint Secretary, Micro, Small & Medium Enterprises Department - Member.
 18. Representative not below the rank of Joint Secretary, Health & Family Welfare Department - Member.
 19. Representative not below the rank of Joint Secretary, Water Resources Investigation & Development Department - Member.
 20. Representative not below the rank of Joint Secretary, Urban Development and Municipal Affairs Department - Member.
 21. Representative not below the rank of Joint Secretary, Agriculture Department - Member.
 22. Representative not below the rank of Joint Secretary, Panchayat and Rural Development Department - Member.
 23. Senior Engineer, State Program Management Group as Special Invitee.



Program Director, WBSPMG
& CEO, KMDA



Proposed Action Plan for
rejuvenation of the polluting stretch of
river Mahananda

for placement before the Task Team for Scrutiny
of Action Plans Submitted for Rejuvenation of
Identified Polluted River Stretch (s) (i.e., P-I and
P-II) in Compliance to Hon'ble NGT (PB) New Delhi
Order dated 20.09.2018 and 19.12.2018 in OA No.
673/2018 in the matter of News Item published in
'The Hindu' titled "More River Stretches are Now
Critically Polluted: CPCB"

Dated 12 July 2019
West Bengal Pollution Control Board

Contents

Serial	Subject	:	Page Number
1	Executive Summary	:	03
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3	Details of the Action Plan		06
4	Annexure 1 – Major drains draining wastewater to river Mahananda	:	12
5	Annexure 2A: Ground water quality	:	13
6	Annexure 2B: Heavy metals in Ground Water	:	14
7	Solid waste management in the surroundings of the river		15
	Distribution of organizational responsibility, timeline and budgetary estimate.	:	16

Executive Summary

Sl	DESCRIPTION OF ITEM	Details																																																															
1.	Name of the identified polluted river and its tributaries	: River Name: Mahananda Stretch: Siliguri to Binaguri Blocks covered: Siliguri MC and Phansidea Block																																																															
2.	Is river is perineal and total length of the polluted river	: Perennial, non-tidal and typically Himalayan. Length Approximately 20 KM																																																															
3.	No of drains contributing to pollution and names of major drains	: Twenty (20) main drains. Details provided below.																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sl.</th> <th style="text-align: center;">Name of main outfalls (drain) to river Mahananda</th> <th style="text-align: center;">Discharge (Cum/day)</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">1.</td><td>Baghajatin Colony (Ward No. 2)</td><td style="text-align: center;">823.95</td></tr> <tr><td style="text-align: center;">2.</td><td>Rajendra Nagar Kulipada (Ward No. 1)</td><td style="text-align: center;">840.65</td></tr> <tr><td style="text-align: center;">3.</td><td>Rajendra Nagar Kulipada (Ward No. 1)</td><td style="text-align: center;">772.05</td></tr> <tr><td style="text-align: center;">4.</td><td>Rajendra Nagar Kulipada (Ward No. 10)</td><td style="text-align: center;">452.20</td></tr> <tr><td style="text-align: center;">5.</td><td>South Bhagajatin Colony- near community development society no. 5 (Ward No. 3)</td><td style="text-align: center;">88.0</td></tr> <tr><td style="text-align: center;">6.</td><td>Gurumbasti (near Ramnarayan Ground- Ward No. 3)</td><td style="text-align: center;">16.8</td></tr> <tr><td style="text-align: center;">7.</td><td>Gurumbastu (near Durga Temple- Ward No. 3)</td><td style="text-align: center;">36.9</td></tr> <tr><td style="text-align: center;">8.</td><td>Bhagajatin colony and Gurumbasti</td><td style="text-align: center;">137.6</td></tr> <tr><td style="text-align: center;">9.</td><td>Paresh Nagar (Ward No. 44)</td><td style="text-align: center;">287.5</td></tr> <tr><td style="text-align: center;">10.</td><td>Deshnath Pally (Ward No. 44)</td><td style="text-align: center;">230.1</td></tr> <tr><td style="text-align: center;">11.</td><td>Mahakal Pally (near Surya Sen Pathagar- Ward No. 10)</td><td style="text-align: center;">654.0</td></tr> <tr><td style="text-align: center;">12.</td><td>Mahakali Pally (near Mahananda Bidyamandir- Ward No. 10)</td><td style="text-align: center;">121.1</td></tr> <tr><td style="text-align: center;">13.</td><td>Jyotinagar- along Jyotinagar road (Ward No. 40)</td><td style="text-align: center;">1073.0</td></tr> <tr><td style="text-align: center;">14.</td><td>Jyotinagar - along (Vivekananda Road) Ward No. 4)</td><td style="text-align: center;">77.8</td></tr> <tr><td style="text-align: center;">15.</td><td>Ganga Nagar - along Natun Pada main Road (Ward No. 50)</td><td style="text-align: center;">582.0</td></tr> <tr><td style="text-align: center;">16.</td><td>Along Dada Bhai Road (near Shani Temple- Ward No. 42)</td><td style="text-align: center;">19.8</td></tr> <tr><td style="text-align: center;">17.</td><td>Lower Bhanu Nagar (Ward No. 43)</td><td style="text-align: center;">14.8</td></tr> <tr><td style="text-align: center;">18.</td><td>Lower Prakash Nagar (Ward No. 44)</td><td style="text-align: center;">7.0</td></tr> <tr><td style="text-align: center;">19.</td><td>Upper Prakash Nagar (ward No. 44)</td><td style="text-align: center;">23.3</td></tr> <tr><td style="text-align: center;">20.</td><td>Paresh Nagar, Dasarath Pally (Ward No. 44), Mahakali Pally (Ward No. 10) Jyotinagar and Ganganagar (Ward No. 10)</td><td style="text-align: center;">45</td></tr> </tbody> </table>			Sl.	Name of main outfalls (drain) to river Mahananda	Discharge (Cum/day)	1.	Baghajatin Colony (Ward No. 2)	823.95	2.	Rajendra Nagar Kulipada (Ward No. 1)	840.65	3.	Rajendra Nagar Kulipada (Ward No. 1)	772.05	4.	Rajendra Nagar Kulipada (Ward No. 10)	452.20	5.	South Bhagajatin Colony- near community development society no. 5 (Ward No. 3)	88.0	6.	Gurumbasti (near Ramnarayan Ground- Ward No. 3)	16.8	7.	Gurumbastu (near Durga Temple- Ward No. 3)	36.9	8.	Bhagajatin colony and Gurumbasti	137.6	9.	Paresh Nagar (Ward No. 44)	287.5	10.	Deshnath Pally (Ward No. 44)	230.1	11.	Mahakal Pally (near Surya Sen Pathagar- Ward No. 10)	654.0	12.	Mahakali Pally (near Mahananda Bidyamandir- Ward No. 10)	121.1	13.	Jyotinagar- along Jyotinagar road (Ward No. 40)	1073.0	14.	Jyotinagar - along (Vivekananda Road) Ward No. 4)	77.8	15.	Ganga Nagar - along Natun Pada main Road (Ward No. 50)	582.0	16.	Along Dada Bhai Road (near Shani Temple- Ward No. 42)	19.8	17.	Lower Bhanu Nagar (Ward No. 43)	14.8	18.	Lower Prakash Nagar (Ward No. 44)	7.0	19.	Upper Prakash Nagar (ward No. 44)	23.3	20.	Paresh Nagar, Dasarath Pally (Ward No. 44), Mahakali Pally (Ward No. 10) Jyotinagar and Ganganagar (Ward No. 10)	45
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4.	Whether 'River Rejuvenation Committee (RRC) constituted by the State Govt./UT Administration and If so, Date of constitution of 'RRC'	: Yes. 07 th January 2019																																																															
5.	Major Towns on the banks of the river with population	: The river runs through rural areas and passes through only one city – Siliguri of population 529059.																																																															
	a. Total water consumption and sewage generation in MLD	: Total Water consumption _____ 71.4 MLD _____ Total Sewage generation _____ 44 _____ in MLD																																																															
	b. Total no. of existing STPs and the total capacities in MLD	: NIL																																																															
	c. Gaps in sewage treatment in MLD and no. of towns not having STPs	: --44-- MLD. The action plan is for two STPs with capacity 47 MLD in total.																																																															

	d. Total MSW generation in TPA	:	MSW_ 264.5_ in TPA				
	e. Existing treatment and disposal facilities and total capacity	:	NIL				
6.	Major industrial estates located with total no. of industries	:	<table border="1"> <thead> <tr> <th>Industrial Estate</th> <th>No. of Industries</th> </tr> </thead> <tbody> <tr> <td>NIL</td> <td>NIL</td> </tr> </tbody> </table>	Industrial Estate	No. of Industries	NIL	NIL
Industrial Estate	No. of Industries						
NIL	NIL						
	a. Total water consumption and total industrial effluent generation in MLD	:	NIL				
	b. No. of industries having captive ETPs and their treatment capacity in MLD	:	NIL				
	c. No of CETP's and their treatment capacity	:	NIL				
	d. Gaps in treatment of industrial effluent	:	NIL				
	e. Total HW generation in TPA in the catchment area	:	NIL				
	f. Existing HW Treatment and Disposal Facilities and total capacity with life span	:	NIL				
7.	Action plan includes mainly covering aspect such as (Appropriate management of sewage and measures for regulating ground water use)	:	Yes				
8.	Min. and Max. required time period for implementation of action plans	:	Min...1.5.....Years, Max...5 years..... _Years				
9.	Total estimated budget in crores towards implementation of proposed action plans with break-up (e.g. No. of STPs, capacity, total cost; No of CETPs, total capacity, Cost towards interception and diversion of sewage/effluent to STPs/CETPs etc.,)	:	85 Crore				
10.	Responsible Organisation(s) for implementation of proposed action plans (Please enclose details as annexure)	:	Attachment - 1				
11.	Proposed Mechanism for execution of action plans:						
	This action plan implementation is to be monitored by the River Rejuvenation Committee (RRC) through meetings every tri-monthly. District level monitoring committees will be formed under the chairmanship of the respect District Magistrates for monitoring the district level implementation activities and submit reports to the RRC every three month.						
12.	Expected deliverables w r to achieving Goals :						
	<p>Considering the impact of this river water to the sensitive ecosystem of the foothills of the Himalayas and the livelihood of the people living on both sides of the river, revival of the water quality of this river is extremely important on context of its utility as it is a perennial River. The ultimate goal for beneficial use of rivers will determine the level of actions to be taken for maintaining the water quality. Under the present circumstances, it appears that river Mahananda serves the purpose of Outdoor bathing (Organised) as well as fishery, wild life propagation, irrigation and, most importantly, the health of the surrounding ecosystems. For achieving this objective, generated municipal sewage should be treated to meet the required standards of disposal. Also, the trade and other effluents generated within the catchment of river Mahananda which is ultimately joining and contributing to the pollution load in the river, should be treated to meet the effluent discharge standards stipulated under the GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A: EFFLUENTS of the Environment (Protection) Rules, 1986.</p> <p>Therefore, the target of the action plan is to deliver quality of water of river Mahananda equivalent to that of use class "B" - Outdoor bathing (Organized).</p>						

Response of the RRC-WB

On

Comments of the Task Team for ensuring compliance to Hon'ble NGT (PB), New Delhi order dated 20.09.2018 and 19.12.2018 in OA No 673/2018 in the Matter of News Item Published in 'THE HINDU' Titled "More river stretches are now critically polluted: CPCB" held during 11.2.2019 to 12.02.2019 n Conference Room, 2nd Floor, Conference Hall CPCB, Delhi.

Comments of Task Team	Corresponding response(s) of RRC_West_Bengal
a) River Mahananda flows mostly on international boundary of India - Bangladesh. It is polluted due to industrial discharges from Bangladesh. Revised action plans submitted with approval of RRC	River Mahananda does not flow along India-Bangladesh border in the polluted stretch. The polluted stretch is very much within the territory of West Bengal in the Darjeeling District. In the identified polluted stretch, neither it receives any industrial wastewater from the Bangladesh. The untreated municipal wastewater discharge from the Siliguri City is the major source, if not exclusive polluting source for the river and the action plan has been prepared accordingly.

Action Plan for rejuvenation of river Mahananda

The Action Plan

1	Basic information about the stretch																																																											
	The river Mahananda originates from the Paglajhora Falls near Kurseong in Darjeeling District. With supply water from molten ice and water drained by a number of natural falls and jhoras in the district Darjeeling, the river flows due south-east and enters Siliguri town at Champasari area. The river is non-tidal in nature and receives wastewater from the Siliguri city area. Flow in the river receives enormous amount of discharge of municipal sewage round the year. BOD and Bacteriological count (Faecal Coliform) are the principal pollutants in this river stretch. The sources for this river is presented below.																																																											
i)	Polluted river stretch / length																																																											
	Polluted stretch of this river has been identified from Siliguri to Binaguri, which is approximately 15 km.																																																											
ii)	Major towns located on the bank between the stretch including population, water consumption details																																																											
	The only large town located in this stretch is Siliguri City. The Siliguri Municipal Corporation has an area of 260 square kilometer with 47 wards and a population of 513264.																																																											
iii)	Identified industrial estates/ areas																																																											
	There is only one industrial estate in Siliguri but that has no water polluting industry.																																																											
iv)	Stretch of river perennial on or non perennial / flow available / water usage in the stretch																																																											
	The stretch of the river is perennial and has flow round the year. Water in this stretch is used for fishing and abstraction for city supply after treatment and disinfection.																																																											
2	Water quality of river stretch / drains contributing pollution / ground water																																																											
	The water quality status of the river, as influenced by the discharges of the sources mentioned above is monitored on monthly basis at two water quality monitoring stations at up-stream at Champasari as the river approaches the Siliguri town and downstream at Ramghat, before river Balason confluences with Mahananda. On the basis of this data the stretch was identified as under priority II. During preparation of the current report, the water quality data of this stretch for last two years was analyzed using the latest "CRITERIA FOR PRIORITISATION OF POLLUTED RIVER LOCATION (DRAFT)" circulated by the Central Pollution Control Board (CPCB). Using data of last 24 determinations in two years (January 2017 to December 2019), the river stretch could be identified as Priority III (Moderately Polluted or Fair) with the last two years' average BOD data of 6.4 mg/L and Faecal Coliform value of 70000 MPN/100mL. Although this is the average data of two stations, the Ramghat data presents the actual extent of pollution in the river contributed by municipal sewage discharge with BOD value of 9.8 mg/L and FC value of 128000. Water quality data in this regard is presented below.																																																											
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Month / Year</th> <th colspan="2">Location – Upstream of Siliguri</th> <th colspan="2">Location – Downstream of Siliguri</th> </tr> <tr> <th>BOD (mg/L)</th> <th>FC (MPN/100mL)</th> <th>BOD (mg/L)</th> <th>FC (MPN/100mL)</th> </tr> </thead> <tbody> <tr> <td>Jan-17</td> <td>3.1</td> <td>7000</td> <td>8</td> <td>60000</td> </tr> <tr> <td>Feb-17</td> <td>3.6</td> <td>22000</td> <td>5.3</td> <td>80000</td> </tr> <tr> <td>Mar-17</td> <td>2.4</td> <td>17000</td> <td>6.5</td> <td>170000</td> </tr> <tr> <td>Apr-17</td> <td>3.4</td> <td>14000</td> <td>6</td> <td>140000</td> </tr> <tr> <td>May-17</td> <td>2.8</td> <td>21000</td> <td>8</td> <td>210000</td> </tr> <tr> <td>Jun-17</td> <td>2.4</td> <td>14000</td> <td>6</td> <td>170000</td> </tr> <tr> <td>Jul-17</td> <td>1.9</td> <td>7000</td> <td>8</td> <td>90000</td> </tr> <tr> <td>Aug-17</td> <td>2.5</td> <td>6000</td> <td>4.6</td> <td>110000</td> </tr> <tr> <td>Sep-17</td> <td>3.6</td> <td>14000</td> <td>23</td> <td>170000</td> </tr> <tr> <td>Oct-17</td> <td>3.2</td> <td>9000</td> <td>6</td> <td>90000</td> </tr> </tbody> </table>	Month / Year	Location – Upstream of Siliguri		Location – Downstream of Siliguri		BOD (mg/L)	FC (MPN/100mL)	BOD (mg/L)	FC (MPN/100mL)	Jan-17	3.1	7000	8	60000	Feb-17	3.6	22000	5.3	80000	Mar-17	2.4	17000	6.5	170000	Apr-17	3.4	14000	6	140000	May-17	2.8	21000	8	210000	Jun-17	2.4	14000	6	170000	Jul-17	1.9	7000	8	90000	Aug-17	2.5	6000	4.6	110000	Sep-17	3.6	14000	23	170000	Oct-17	3.2	9000	6	90000
Month / Year	Location – Upstream of Siliguri		Location – Downstream of Siliguri																																																									
	BOD (mg/L)	FC (MPN/100mL)	BOD (mg/L)	FC (MPN/100mL)																																																								
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Action Plan for rejuvenation of river Mahananda

	Nov-17	2.8	26000	23	140000
	Dec-17	3.4	14000	13	170000
	Jan-18	2.9	9000	14	130000
	Feb-18	3.4	11000	18	170000
	Mar-18	2.8	11000	12	140000
	Apr-18	2.8	14000	14	130000
	May-18	3.2	11000	12	140000
	Jun-18	2.6	9000	4.8	110000
	Jul-18	3.1	11000	4.3	170000
	Aug-18	3.6	8000	4.6	110000
	Sep-18	2.8	5000	3.8	90,000
	Oct-18	3.4	7000	6	80000
	Nov-18	3.1	8000	16	90000
	Dec-18	2.8	11000	8	110000
i)	Drains contributing to pollutions				
	Polluting sources of Mahananda				
	<ol style="list-style-type: none"> About 94 nos. of municipal sewage discharge points (Small and large put together) on the left bank of River Mahananda and 60 nos. on the right that drain untreated municipal sewage into the river. Jorapani river at Fulbari and Fuleswari canal near NJP road carries the municipal sewage of associated municipal wards. Apart from above, indiscriminating dumping of municipal solid waste also contributes to the worsening of the river water quality. 				
ii)	Latest water quality current as per assessment target				
	The water quality of the river on an average over last two years data is presented below.				
	Average BOD for last two years (mg/L)		6.39		
	Average TC for last two years (MPN/100mL)		70000		
	<p>Considering the impact of this river water to the sensitive ecosystem of the terai of the Himalayas and the livelihood of the people living on both sides of the river, revival of the water quality of this river is extremely important on context of its utility as it is a perennial River. The ultimate goal for beneficial use of rivers will determine the level of actions to be taken for maintaining the water quality. Under the present circumstances, it appears that river Mahananda serves the purpose of drinking water intake points (for supply after treatment and disinfection), fishery, irrigation and, most importantly, the health of the sensitive terai ecosystems. For achieving this objective, generated municipal sewage should be treated to meet the required standards. Also, the trade and other effluents generated within the catchment of river Mahananda which are ultimately joining and contributing to the pollution load in the river should be treated to meet the effluent discharge standards stipulated under the GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A: EFFLUENTS of the Environment (Protection) Rules, 1986.</p> <p>The target water quality for this stretch is BOD, less than 3.0 mg/L and Faecal Coliform less than 5000 mg/L.</p>				
III)	Characteristics of river and the major drains				
	More than hundred small and large drains carry municipal wastewater from both sides of the Mahananda as it runs through the city. General characteristics of such drainage water will be reported in 3 months time.				
iv)	Flow details of the polluted river stretch				
	The lean season flow (base flow) for the river is 5 cumec (cubic meter per second). Year wise details Will be reported in 3 weeks time.				

Action Plan for rejuvenation of river Mahananda

v)	Characteristics of the major drains contributing to pollution						
	More than hundred small and large drains carry municipal wastewater from both sides of the Mahananda as it runs through the city. General characteristics of the major drains are provided at Annexure-1.						
vi)	Flow details of the major drains contributing to river pollution						
	Provided in Annexure-1.						
vii)	Ground water quality in the catchment of polluted river stretch						
	The ground water quality of the area surrounding the polluted river stretch is provided at Annexure-2(A). From analysis of the data no problematic issue in the ground water quality could be identified. The West Bengal Pollution Control Board keeps a strict vigil over the metal contamination of the ground water in this region. The ground water data in respect of the heavy metals were screened for the ground water station(s) of this region for last three years and hardly any presence could be found excepting Zinc. Zinc, however, reported a maximum concentration of 130 microgram per cubic meter. This can easily be ignored as the drinking water standard for Zinc is 5000 microgram per cubic meter. The heavy metal concentrations in the ground water for last three years are provided in Table in Annexure-2(B).						
viii)	Health status of the public in the catchment of polluted river stretch						
	The health status of the public in the catchment of polluted river stretch is provided below.						
	Block	IPD admission	OPD attendance	Live birth	Infant death	Maternal death	Major diseases
	Phansidewa	7063	188001	909	55	5	Kalazar, Dengue, Japanese Encephalitis, Malaria, Diabetes, Hypertension
	SMC	58976	548474	5668	49	2	Dengue, Japanese Encephalitis, Malaria, Hypertension, Diabetes
3	Inventory sources of pollution and gaps identification						
(a)	Municipal sources / sewage management						
i)	Sewage generation from towns located on the banks of the polluted river						
	The main source of pollution of the river Mahananda is the discharge of untreated sewage from areas of the Siliguri Municipal Area. The main objective of this treatment proposal is to treat municipal sewage running down to rivers Mahananda, Jorapani and Fuleswari. Treatment of about 47 Million Liter per Day (MLD) of municipal sewage is required to be treated.						
ii)	Number of sewage treatment plants and treatment capacity. Actual sewage treatment and the gaps in treatment						
	DPR for treatment of the city sewage have been prepared and according to this two STPs are required to be implemented with capacities of 15 and 32 MLD. The estimate for such works has been finalized and the project will be submitted for departmental approval after the MCC for general elections is over.						
iii)	Number of STPs proposed and capacity						
	Two, one at Noukaghat (32 MLD) and the other at Jorapani (15 MLD).						
iv)	Interception and diversion of drains / in situ treatment given						
	Households have septic tanks for the toilet flush as in situ treatment. All drains will be intercepted, diverted and treated before disposal and/or re-used following the ensuing policy for treated water usage.						
(b)	Drainage system / sewage network present / proposed						
	Details will be prepared in 6 months time.						
(c)	Industrial pollution control						
i)	Number of industries – category Red or water					nil	

Action Plan for rejuvenation of river Mahananda

	polluting / small scale							
ii)	Industries without consent / authorization	nil						
III)	Number of directions issued to industries	nil						
iv)	Total water consumption and the waste water generation by the industries	Not Applicable						
v)	Number of industries having captive ETPs and treatment capacity	Not Applicable						
vi)	Number of industries those are members of the CETP	NO CETP						
vii)	Number of CETPs existing in the catchment of polluted river stretch and the treatment capacity	Not Applicable						
viii)	OCEMS installation status by industries	Not Applicable						
ix)	Gaps in treatment of industrial effluent	Not Applicable						
x)	Present / proposed CETP capacity / member units	NIL						
4	Identification of major sources required to be controlled	based on pollution load						
a)	Waste management status							
	<p>The status of biomedical waste management is provided below.</p> <table border="1" style="margin-left: 40px;"> <tr> <td colspan="3">Biomedical Waste Generation: 1100 kg/day (approx..)</td> </tr> <tr> <td style="width: 20%;">Existing CBWTFs</td> <td style="width: 40%;">Greenzen Bio Pvt. Ltd. Mouza. Binnaguri, PO. Fulbari, PS. Bhaktinagar, Dist. Jalpaiguri, PIN – 734015</td> <td style="width: 40%;">In operation. Treatment capacity of CBWTSDF is 15,000 bed/day i.e. equivalent to 3750 kg/day (on the basis of 250 grams /bed/day)</td> </tr> </table> <p>So there is no gap in between the BMW generated and existing treatment capacity of common bio-medical waste treatment facility .</p>		Biomedical Waste Generation: 1100 kg/day (approx..)			Existing CBWTFs	Greenzen Bio Pvt. Ltd. Mouza. Binnaguri, PO. Fulbari, PS. Bhaktinagar, Dist. Jalpaiguri, PIN – 734015	In operation. Treatment capacity of CBWTSDF is 15,000 bed/day i.e. equivalent to 3750 kg/day (on the basis of 250 grams /bed/day)
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i)	Industrial waste management							
	No hazardous waste generating industry exists in the catchment area of the river in Siliguri. The rest of the industrial waste are treated along with solid waste.							
ii)	Solid waste management							
	<p>Generation of solid waste has been quantitated at 300 MT (approx.) from the city area. A Manure Composting Plant was setup at 2007, with Hindusthan Joibo Rosayan Company in PPP mode, by joint venture. The manure was sold in several tea gardens. But, the company was not agreed to continue this project from 2012 due to some uncanny reason. Since then Siliguri MC have been continuing this project and the manure is being sold to various markets. A mechanical composter will be setup very shortly.</p> <p>Besides, UD&MA Dept. had provided 3 nos. 14m³ movable compactor, 1 no. Stationary Compactor etc., under Mission Nirmal Bangla (Urban) to strengthen the waste collection system in addition to existing facilities available within the Corporation area.</p>							
III)	Gaps identified in waste management							
	Whatever gap in waste management exists, it is for solid waste management. Although 100 percent door to door collection of solid waste has been achieved for entire municipal area, segregation at source is yet to be initiated. The action plan for initiation of such segregation at source activity followed by other processing and disposals are presented, along with timeline, at Annexure-2.							
iv)	Proposed actions for solid wastes, industrial waste and bio-medical waste management							
	An integrated SWM project with processing facility of Waste to Compost, i.e. Compost Plant is prepared. The project may be implemented by 3 years from sanctioning of the project.							
5	Any other information							
i)	Remedial plans for control of ground water contamination							

Action Plan for rejuvenation of river Mahananda

Major remedial measures to control ground water contamination has been taken in controlling Open defecation and construction drainage system and soak pits in panchayet (rural) areas

- i) Construction of platform, pucca drain and soak pits for Tube-wells and compost/ azolla pit at household and cluster level.
- ii) Providing access of twin leach pit safe and sanitary toilets to every eligible rural household thereby arresting the possibility of discharge of domestic black water to the adjacent or nearby water bodies including rivers. Present sanitation coverage in the rural areas of the state stands at **99.61%**.

A detailed account of sanitation project in this area is provided below.

SL	NAME OF THE DISTRICT	NAME OF THE BLOCK	TOTAL HOUSEHOLD TOILET CONSTRUCTED (FROM 2013-14 TILL DATE)
1	Darjeeling	PHANSIDEWA	46436

Following actions will be taken by the Panchayet Department with a time target of three (3) years.

1. In the jurisdiction of Phasideoa block, efforts would be made to improve water flow in Mahananda by taking recourse to catchment area treatment for which farm ponds would be excavated in a stretch of 1 KM from the river
2. Plantation in the catchment area will receive priority
3. **In sanitation**, solid waste management will be a priority, along with imposing ban on use of plastic carry bags <50 microns
4. A bio diversity park will be established to preserve bio diversity (Action MGNREGA)

Following are the initiatives from the Department of Agriculture for controlling the pollution of the river water.

The anti-pollution initiatives are divided into following four domains :

1. Increasing water use efficiency through good irrigation practices ;
2. Soil and water conservation ;
3. Cultivation of low water demanding crops ;
4. Propagation of eco-friendly agriculture.

Present Status	Action Plan
<ol style="list-style-type: none"> 1. As per Dynamic Groundwater Resources Assessment & Categorization ALL blocks are in 'SAFE' Category. 2. Pilot Rainwater Harvesting Scheme are taken in the area for awareness of People. 	<ul style="list-style-type: none"> • Groundwater Depth to Water Level Monitoring system on 5 X 5 Km² grid basis and as well as for multiple aquifer has been proposed. Due to increasing demand of Ground Water in the Corporation and Municipal areas , a Real Time Water level Monitoring system with telemetry for continues monitoring of the depth to water level (4 times in a day has been proposed. The said work plan will be executed within coming 5 years. • Each Grampanchyet Level Water Quality monitoring will be taken up in the state. The said work plan will be executed within coming 5 years. • Dynamic Groundwater Assessment (2017) according to GEC-2015 methodology is in progress and will be submitted within this year. • Excavation of Ponds proposes for water harvesting in each year according to the availability of fund. • Groundwater development scheme are being taken up in consultation with State Water Investigation Directorate.

Action Plan for rejuvenation of river Mahananda

		<ul style="list-style-type: none"> • Surface Water Development Schemes are taken up where ever feasible in agriculture. 	
ii)	Remedial plans for health impacts in the catchment of polluted river stretch		
	The Gap analysis done by the Health department identified irregularity of collection and disposal of Biomedical Wastes from the primary health centers as the reason for occasional health hazard incidents. As a remedial measure, development of Common Biomedical Waste Treatment Facility within 75 Kilometer of the sources of generation has been proposed.		
III)	Identified organizations responsible for preparation of and execution of action plans, with timeline and budgetary estimate.	Provided at Annexure - 4	
iv)	Monitoring mechanism proposed for implementation of action plans		
	This action plan is to be monitored by the River Rejuvenation Committee (RRC) every tri-monthly. District level monitoring committees will be formed under the chairmanship of the respect District Magistrates for monitoring the district level activities and submit reports to the RRC every three month.		
v)	Public mass awareness		
	5. Awareness trainings has been initiated by the Health department on Biomedical Waste Management		

Major drains discharging on right side of Mahananda River

SL. No.	Location	Discharge (Cum/ day)
1.	Baghajatin Colony (Ward No. 2)	823.95
2.	Rajendra Nagar Kulipada (Ward No. 1)	840.65
3.	Rajendra Nagar Kulipada (Ward No. 1)	772.05
4.	Rajendra Nagar Kulipada (Ward No. 10)	452.20
5.	South Bhagajatin Colony- near community development society no. 5 (Ward No. 3)	88.0
6.	Gurumbasti (near Ramnarayan Ground- Ward No. 3)	16.8
7.	Gurumbastu (near Durga Temple- Ward No. 3)	36.9
8.	Bhagajatin colony and Gurumbasti	137.6

Major drains discharging on left side of Mahananda River

SL. No.	Location	Discharge (Cum/ day)
1.	Paresh Nagar (Ward No. 44)	287.5
2.	Deshnath Pally (Ward No. 44)	230.1
3.	Mahakal Pally (near Surya Sen Pathagar- Ward No. 10)	654.0
4.	Mahakali Pally (near Mahananda Bidyamandir- Ward No. 10)	121.1
5.	Jyotinagar- along Jyotinagar road (Ward No. 40)	1073.0
6.	Jyotinagar - along (Vivekananda Road) Ward No. 4)	77.8
7.	Ganga Nagar - along Natun Pada main Road (Ward No. 50)	582.0
8.	Along Dada Bhai Road (near Shani Temple- Ward No. 42)	19.8
9.	Lower Bhanu Nagar (Ward No. 43)	14.8
10.	Lower Prakash Nagar (Ward No. 44)	7.0
11.	Upper Prakash Nagar (ward No. 44)	23.3
12.	Paresh Nagar, Dasarath Pally (Ward No. 44), Mahakali Pally (Ward No. 10) Jyotinagar and Ganganagar (Ward No. 10)	45

Annexure-2(A)

Ground water quality of the surrounding area of the polluted stretch of river Mahananda

Sl. No.	PHS Nos.	Block	Location	Type of Source	pH	Sp. Conductance in micromohs/cm at 25°C	Carbonate in ppm	Bi-Carbonate in ppm	Chloride in ppm	Total Hardness in ppm	Total Iron In ppm	TDS in ppm	Arsenic in ppm
30	34	Naxalbari	M.M. Terai, Opp. Ms Samaj	DW	7.4	86.0	NIL	20.0	16.0	56.0	2.0	55.9	ND
31	35	Naxalbari	Darjeeling Gorkha Hill Council, FD	DW	7.6	56.0	NIL	24.0	4.0	52.0	2.0	36.4	ND
32	36	Naxalbari	Santoshi Mata Temple	DW	7.5	100.0	NIL	48.0	12.0	76.0	0.3	65.0	ND
33	37	Naxalbari	Radhajote, Longia Pny. School	DW	7.1	461.0	NIL	76.0	68.0	128.0	0.5	299.0	ND
34	49	Naxalbari	H/O. Naresh Chandra Barman, Gosaipur GP, Nr. Saibhita Pr. School	PT	7.2	262.0	NIL	72.0	28.0	104.0	0.8	170.3	ND
35	1	Phansidewa	Behind H/O Kandru Singh, Md. Baxa	DW	7.2	170.0	NIL	64.0	24.0	96.0	1.2	110.5	ND
36	2	Phansidewa	Near H/O Sani Orao	DW	7.3	136.0	NIL	48.0	20.0	56.0	2.0	88.4	ND
4		Phansidewa	Phansidewa P.S	DW	7.3	179.0	NIL	80.0	200.0	76.0	3.0	116.3	ND
38	5	Phansidewa	H/O. Kalipoda Roy, Kantivita More	DW	7.0	192.0	NIL	44.0	32.0	68.0	0.5	124.8	ND
39	6	Phansidewa	Bidhannagar P.S	PT	7.6	578.0	NIL	152.0	84.0	164.0	1.2	357.8	ND
40	8	Phansidewa	Madati High School	PT	X	X	X	X	X	X	X	X	X
41	9	Phansidewa	Office of the Ranger officer	DW	7.2	160.0	NIL	36.0	16.0	72.0	2.0	104.0	BDL
42	10	Phansidewa	H/O Dhirendranath Roy, Nr. A Bajar	PT	X	X	X	X	X	X	X	X	X
43	26	Phansidewa	Tepu Tea Estate (Hat)	DW	7.1	91.0	NIL	40.0	12.0	56.0	2.0	59.1	ND
44	27	Siliguri Corp	Hillcart Rd. Opp. Sarda Hotel	DW	7.5	496.0	NIL	140.0	76.0	184.0	2.0	322.4	ND
45	44	Siliguri	Sevok Rd Estn. Opp. Mahi. Rabi Auto	DW	7.6	324.0	NIL	136.0	12.0	180.0	0.5	210.6	ND
46	46	Siliguri	Laxmimaya CS Pr. School, W. No-43	PT	7.3	417.0	NIL	116.0	28.0	176.0	0.5	271.6	ND
47	47	Siliguri	Ramkrishna Bedanta Asram	PT	X	X	X	X	X	X	X	X	X
48	N1	Phansidewa	Chulkai. Vill- khudigach	DW	7.4	1123.0	NIL	212.0	188.0	204.0	1.2	729.9	ND
49	N2	Phansidewa	Khastruba Girls Hostel. Madati H. S	DW	7.3	564.0	NIL	128.0	72.0	164.0	0.5	366.6	ND
50	N3	Phansidewa	Near Amobari Bazar	DW	7.5	394.0	NIL	76.0	52.0	116.0	5.0	256.1	ND
51	N4	Matigara	Chamelai Basti	DW	7.1	147.0	NIL	72.0	8.0	80.0	0.3	95.5	ND
53	N6	Phansidewa	K.B pry. school	DW	7.3	143.0	NIL	64.0	24.0	76.0	2.0	92.9	ND

Annexure-2(B)

Concentration of Heavy Metals (in µg/l) in groundwater of Mahananda catchment										
BDL: Below Detectable Limit										
:: Fulbari (Siliguri) Station ::										
Year	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc		
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		0.59
2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL

Annexure-3

Proposed Solid Waste Management Plan for Siliguri Municipal Corporation																					
District	Sl. No.	Name of Urban Local Body	No. of Ward	Population (2011 census)	Door to door Collection		Segregation at source		Separate Transportation		Public area sweeping		MRF Facilities		Wet waste processing		Dry waste processing		Activities of bulk waste generators		
					Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us
Darjeeling	6	Siliguri Municipal Corporation	47	513264	100%	NA	100%	0%	100%	0%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	to be achieved by Dec, 2022

Annexure-4

<i>Distribution of Organizational Responsibilities</i>			
<i>Departments / Agencies</i>	<i>Actions to be taken</i>	<i>Targeted timeline</i>	<i>Budgetary Estimate</i>
PHED	<ol style="list-style-type: none"> Action Plans of distribution of treated river water to habitations traditionally using ground water. Action plans for replacement of withdrawal of groundwater in Arsenic affected blocks of the State. Information to be incorporated: <ul style="list-style-type: none"> Town wise consumption – Surface Water Town wise consumption – Ground Water 	Project preparation in planning stage	
SJDA	<ol style="list-style-type: none"> Action plans for management of municipal wastewater discharge for Siliguri Municipal Corporation including treatment and disposal septage generated within the corporation area. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis. Information to be incorporated: <ul style="list-style-type: none"> Town wise consumption – Surface Water Town wise consumption – Ground Water Town wise sewage generation Town wise existing wastewater treatment infrastructure Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.	Action plan prepared. Execution is to be initiated soon.	Rs. 130.5 Crore
Siliguri Municipal Corporation	Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes the following rivers and towns.	Project under preparation.	
Panchayat & Rural Development Department	<ol style="list-style-type: none"> River specific action plans for black and grey liquor management, municipal solid waste management and surface water preservation programmes (e.g., Rainwater harvesting). To coordinate with Forest Department for providing lands for tree plantation and development of biodiversity parks. Watershed management programmes, IHHL activities etc. Special emphasis is required from the PNRD department for the cases of the following rivers as no urban wastewater reaches the rivers.	Action Plan Provided. Will GP level solid waste management units at 6 locations in the Blocks surrounding Mahananda . Time line – 3 Years. Plantation progmmes during 2019 - 2010	Rs. 4.2 Crore. 27.0 Lakh

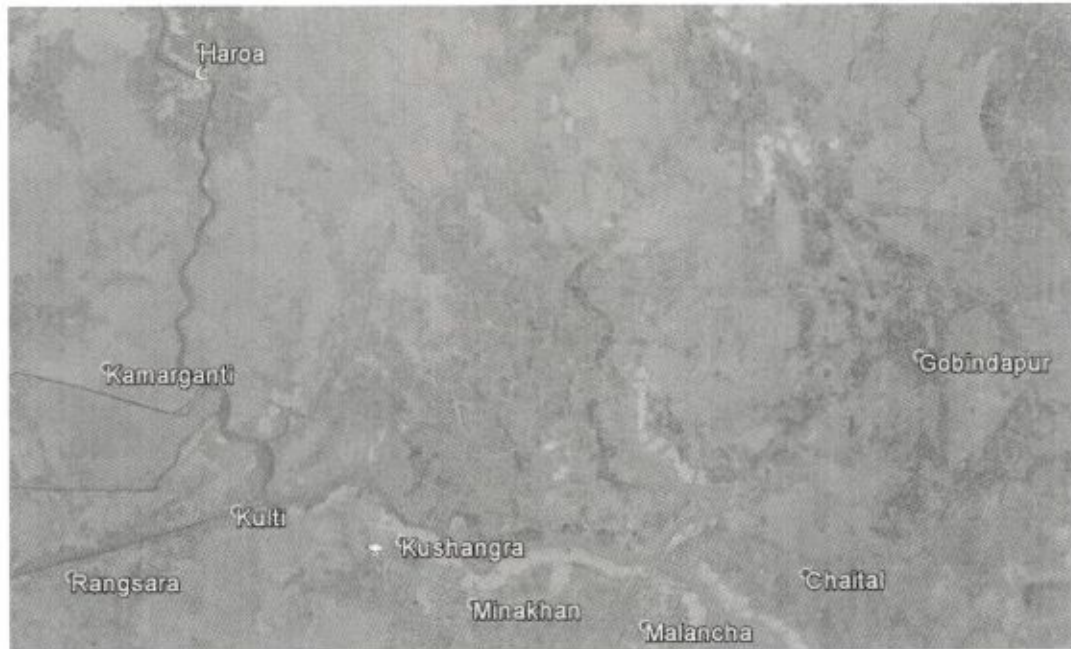
Annexure-4

Water Resources Investigation & Development Department	River specific action plan on the following. (i) Periodic assessment of groundwater resources and regulation of ground water extraction by industries particularly in over exploited and critical zones/blocks. (ii) Ground water re-charging /rain water harvesting (iii) Periodic ground water quality assessment and remedial actions in case of contaminated groundwater tube wells/bore wells or hand pumps. (iv) Assessment of the need for regulating use of ground water for irrigation purposes.	Has provided action plan.	Will be taken care from State Budget Funding.
Irrigation Department	1. Protection to the eroding both bank of river Mahananda for a length of 1.400 km at Champasari Road Bridge, SMC Area, Dist. Darjeeling	March 2019	Rs. 3.6 Crore.
Agriculture Department	1. Watershed Development in total 219 ha of land. 2. Reclamation of sand laden -20 ha.,excavation /re-excavation of drainage/irrigation channel-200 RMTWater Harvesting Structure-2 Nos. Dug well – 4 Nos., Awareness Meeting- 3 nos.	2019 – 2020 2019-2020	8.78 Crore. 15.22 Lakh.
Forest Department	1. Plantation Works on banks of river 2. Development of Biodiversity Park	2019-2019 2020-2021	14.66 Crore 3.04 Crore for 100 ha

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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Proposed Action Plan for
rejuvenation of the polluting stretch of
river Vidyadhari

for placement before the Task Team for Scrutiny
of Action Plans Submitted for Rejuvenation of
Identified Polluted River Stretch (s) (i.e., P-I and
P-II) in Compliance to Hon'ble NGT (PB) New Delhi
Order dated 20.09.2018 and 19.12.2018 in OA No.
673/2018 in the matter of News Item published in
'The Hindu' titled "More River Stretches are Now
Critically Polluted: CPCB"

Dated 12th July 2019
River Resource Committee
West Bengal

Contents

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6	Annexure 2: Proposed solid waste management plan	:	17
	Distribution of organizational responsibility, timeline and budgetary estimate.	:	22

Proposed Action Plan for rejuvenation of river Vidyadhari

Executive Summary

Sl.	DESCRIPTION OF ITEM	Details																																				
1.	Name of the identified polluted river and its tributaries	: River Name: Vidyadhari Stretch: HAROA BRIDGE TO MALANCHA BURNING GHAT Blocks covered: Haroa and Minakhan																																				
2.	Is river is perennial and total length of the polluted river	: Non perennial, but tidal and in Sundarban Estuarine Zone. Length Approximately 20 KM																																				
3.	No of drains contributing to pollution and names of major drains	: Eight (8). Details provided below.																																				
<table border="1"> <thead> <tr> <th>Drain discharging to river Vidyadhari</th> <th>Lean Flow (CUSEC)</th> <th>BOD (mg/L)</th> <th>FC (MPN/100mL)</th> </tr> </thead> <tbody> <tr> <td>1. SWF/DWF discharging to Vidyadhari</td> <td>4500</td> <td>26.46</td> <td>50000</td> </tr> <tr> <td>2. Bhangar_Kata Khal discharging to Vidyadhari</td> <td>1020</td> <td>23.5</td> <td>50000</td> </tr> <tr> <td>3. Bagjola Khal discharging to Vidyadhari</td> <td>1100</td> <td>23.93</td> <td>30000</td> </tr> <tr> <td>4. Nonagong discharging to HaroaGong-KultiGong</td> <td>2315</td> <td>27.94</td> <td>50000</td> </tr> <tr> <td>5. Panshila-Naksha Khal discharging to NonaGong</td> <td>680</td> <td>Data Not Available</td> <td>Data Not Available</td> </tr> <tr> <td>6. Sutia Khal discharging to HaroaGong</td> <td>1330</td> <td>24.29</td> <td>80000</td> </tr> <tr> <td>7. Banikantha Khal discharging to Sutia Khal</td> <td>550</td> <td>42.00</td> <td>300000</td> </tr> <tr> <td>8. Paskhali Khal discharging to HaroaGong c</td> <td>660</td> <td>12.3</td> <td>50000</td> </tr> </tbody> </table>			Drain discharging to river Vidyadhari	Lean Flow (CUSEC)	BOD (mg/L)	FC (MPN/100mL)	1. SWF/DWF discharging to Vidyadhari	4500	26.46	50000	2. Bhangar_Kata Khal discharging to Vidyadhari	1020	23.5	50000	3. Bagjola Khal discharging to Vidyadhari	1100	23.93	30000	4. Nonagong discharging to HaroaGong-KultiGong	2315	27.94	50000	5. Panshila-Naksha Khal discharging to NonaGong	680	Data Not Available	Data Not Available	6. Sutia Khal discharging to HaroaGong	1330	24.29	80000	7. Banikantha Khal discharging to Sutia Khal	550	42.00	300000	8. Paskhali Khal discharging to HaroaGong c	660	12.3	50000
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4.	Whether 'River Rejuvenation Committee (RRC) constituted by the State Govt./UT Administration and If so, Date of constitution of 'RRC'	: Yes. 07 th January 2019																																				
5.	Major Towns on the banks of the river with population	: The river runs through rural areas and has no town by its side. Major villages on its side are Haroa, Minakhan and Malancha.																																				
	a. Total water consumption and sewage generation in MLD	: Total Sewage generation 1539.24 in MLD																																				
	b. Total no. of existing STPs and the total capacities in MLD	: 18; 1276.73 MLD																																				
	c. Gaps in sewage treatment in MLD and no. of towns not having STPs	: 262.51 MLD																																				
	d. Total MSW generation in TPA	: MSW 1630822 in TPA																																				
	e. Existing treatment and disposal facilities and total capacity	: 182.5 TPA																																				
6.	Major industrial estates located with total no. of industries	: <table border="1"> <thead> <tr> <th>Industrial Estate</th> <th>No. of Industries</th> </tr> </thead> <tbody> <tr> <td>Kolkata Leather Complex (CLC)</td> <td>337</td> </tr> </tbody> </table>	Industrial Estate	No. of Industries	Kolkata Leather Complex (CLC)	337																																
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	a. Total water consumption and total industrial effluent generation in MLD	: Consumption - 28.03 MLD Wastewater Generation – 25.3 MLD																																				
	b. No. of industries having captive ETPs and their	: Total number of industries 70 (other																																				

Proposed Action Plan for rejuvenation of river Vidyadhari

	treatment capacity in MLD	than the KLC) Detail survey in respect of treatment is in progress.
	c. No of CETP's and their treatment capacity	: One, 20 MLD
	d. Gaps in treatment of industrial effluent	: Detail survey in progress.
	e. Total HW generation in TPA in the catchment area	: Detail survey in progress.
	f. Existing HW Treatment and Disposal Facilities and total capacity with life span	: Detail survey in progress.
7.	Action plan includes mainly covering aspect such as: (Appropriate management of sewage, rain water harvesting, measures for regulating ground water use, protection and management of flood plain zone, plantation on both sides of the river, setting up of bio-diversity parks etc., as per Hon'ble NGT Orders dated 20.09.2018 and 19.12.2018)	: Whichever applicable has been taken into account.
8.	Min. and Max. required time period for implementation of action plans	Min...1.5.....Years, Max...5 years....._Years
9.	Estimated budget in crores towards implementation of proposed action plans with break-up (e.g. No. of STPs, capacity, total cost; No of CETPs, total capacity, Cost towards interception and diversion of sewage/effluent to STPs/CETPs etc.,)	: Provided in Annexure-3
10.	Responsible Organization (s) for implementation of proposed action plans (Please enclose details as annexure)	: Annexure-3
11.	Proposed Mechanism for execution of action plans :	
	This action plan implementation is to be monitored by the River Rejuvenation Committee (RRC) through meetings every tri-monthly. District level monitoring committees will be formed under the chairmanship of the respect District Magistrates for monitoring the district level implementation activities and submit reports to the RRC every three month.	
12.	Expected deliverables with respect to achieving goals :	
	Considering the impact of this river water to the sensitive ecosystem of the Sundarbans and the livelihood of the fishermen living on both sides of the river, revival of the water quality of this river is extremely important on context of its utility as it is non perennial River. The ultimate goal for beneficial use of rivers will determine the level of actions to be taken for maintaining the water quality. Under the present circumstances, it appears that river Vidyadhari serves the purpose of fishery, wild life propagation, irrigation and, most importantly, the health of the Sundarban ecosystems. For achieving this objective, generated municipal sewage should be treated to meet the required standards of disposal. Also, the trade and other effluents generated within the catchment of river Vidyadhari which are ultimately joining and contributing to the pollution load in the river should be treated to meet the effluent discharge standards stipulated under the GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A: EFFLUENTS of the Environment (Protection) Rules, 1986. The target for water quality for the stretch is for fishery and	

Proposed Action Plan for rejuvenation of river Vidyadhari

wild life propagation.

Therefore, the target of the action plan is to deliver quality of water of river Vidyadhari equivalent to that of use class "D" - Fish Culture and Wild life propagation.

Response of the RRC-WB

On

Comments of the Task Team for ensuring compliance to Hon'ble NGT (PB), New Delhi order dated 20.09.2018 and 19.12.2018 in OA No 673/2018 in the Matter of News Item Published in 'THE HINDU' Titled "More river stretches are now critically polluted: CPCB" held during 11.2.2019 to 12.02.2019 in Conference Room, 2nd Floor, Conference Hall CPCB, Delhi.

Comments of Task Team	Corresponding response(s) of RRC_West_Bengal
a) WBPCB proposes water quality goals achievable only for fisheries and wild life development and not possible to meet bathing criteria as no adequate E-Flows.	The river Vidyadhari is a non-perennial one and primarily fed by canals carrying domestic sewage from town area. The action plan has been prepared for maintaining the treatment of the sewages to maintain the discharge to the river complying the prescribed discharge standard. Since the river does not have any fresh water source, especially during the lean months when no surface water flow is available (February to July), it will be impossible to maintain bathing standard for this river at the stretch from Haroa to Malancha. However, since this river is in tidal regime, the water quality shall be much better during the high-tide times. This is the reason the target for this river has been set as "fisheries and wild life development".
b) River Vidyadhari water is used for Fisheries which require minimum BOD of 120mg/l and is then reduced by natural means to around 15-20 mg/l.	A good number of fishermen family live in the villages by the side of the river Vidyadhari. But the natural treatment system for the municipal wastewater for Kolkata City is the wastewater flow through the East Kolkata Wetlands where a good number of sewage fed fisheries exist. These fisheries use the BOD of the wastewater as nutrient source for the fish cultivation. This natural treatment system treats an estimated wastewater of 900 MLD. The point to be mentioned here is that, these sewage fed fisheries exist neither in the case for the river Vidyadhari itself, nor the rest of the canals discharging wastewater to the river. The sewage fed fisheries are there only for discharged wastewater from the Kolkata Municipal Area.

Proposed Action Plan for rejuvenation of river Vidyadhari

The Action Plan

1	<p>Basic information about the stretch</p> <p>The river Vidyadhari originates from supply water drained by a number of natural and irrigation canals near village "Telia" in the North 24-Paraganas district and discharges into the Bay of Bengal through the western boundary of the Sundarban National Park. The river is tidal in nature and receives wastewater from the Kolkata city area and it's north-eastern towns. Flow in the river receives enormous amount of discharge of municipal sewage round the year. BOD and Bacteriological count (Faecal Coliform) are the principal pollutants in this river stretch. The sources for this river is presented below.</p> <p>River Vidyadhari has no freshwater up-stream flow. It receives runoff during monsoon and base flow is maintained from ground water pool during lean months. Afforestation, rainwater harvesting and reduction of ground water exploitation from flood plain could ensure the ecological flow in this river including discharge of urban wastewater after appropriate treatment meeting the STP discharge standard for urban cities. At the two locations, i.e., Haroa and Malancha, flow of the river should be measured and record maintained by State Irrigation department.</p>																																																																																									
i)	<p>Polluted river stretch / length</p> <p>Polluted stretch of this river has been identified from Haroa to Malancha, which is approximately 20 km.</p>																																																																																									
ii)	<p>Major towns located on the bank between the stretch including population, water consumption details</p> <p>No town is there on this stretch. The river, in this stretch flows through rural areas and marshy lands covering Blocks (Taluka) HAROA and MINAKHAN. The prominent villages in on both sides of the river are: Haroa, Atghara, Shankarpur, KhasBalendar, Jhanjha, Ranigachi, Roykhan, Kalinagar, Nawapara, Makhali, Behari, Atpukur, Teghoria, Kulti, Mamanpukuria, Kushangra, Munakhan, Joygram, Taplakushangra, ChakAhammadpur, Malancha.</p>																																																																																									
iii)	<p>Identified industrial estates/ areas</p> <p>The only industrial estate in this stretch is the Kolkata Leather Complex.</p>																																																																																									
iv)	<p>Stretch of river perennial on or non perennial / flow available / water usage in the stretch</p> <p>This river is strictly non-perennial. Since this river stretch is well within the tidal zone, water is available round the year in this stretch. Usage of water in this stretch is mainly for purposes of agriculture and fishing.</p>																																																																																									
2	<p>Water quality of river stretch / drains contributing pollution / ground water</p> <p style="text-align: center;">The present status of the river water quality is presented below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Month - year</th> <th colspan="2">Location – Haroa</th> <th colspan="2">Location - Malancha</th> </tr> <tr> <th>BOD (mg/L)</th> <th>FC (MPN/100mL)</th> <th>BOD (mg/L)</th> <th>FC (MPN/100mL)</th> </tr> </thead> <tbody> <tr><td>Jan-17</td><td>15.4</td><td>80000</td><td>9.87</td><td>23000</td></tr> <tr><td>Feb-17</td><td>12.85</td><td>110000</td><td>9.38</td><td>13000</td></tr> <tr><td>Mar-17</td><td>9.5</td><td>50000</td><td>9.12</td><td>30000</td></tr> <tr><td>Apr-17</td><td>20.46</td><td>13000</td><td>6.66</td><td>11000</td></tr> <tr><td>May-17</td><td>19.12</td><td>30000</td><td>17.14</td><td>13000</td></tr> <tr><td>Jun-17</td><td>13.39</td><td>70000</td><td>7.35</td><td>17000</td></tr> <tr><td>Jul-17</td><td>15.54</td><td>80000</td><td>11.19</td><td>23000</td></tr> <tr><td>Aug-17</td><td>12.88</td><td>1300000</td><td>13.25</td><td>800000</td></tr> <tr><td>Sep-17</td><td>14.43</td><td>130000</td><td>8.13</td><td>170000</td></tr> <tr><td>Oct-17</td><td>8.8</td><td>2400000</td><td>6.15</td><td>220000</td></tr> <tr><td>Nov-17</td><td>10.38</td><td>240000</td><td>8.83</td><td>280000</td></tr> <tr><td>Dec-17</td><td>6.5</td><td>300000</td><td>12.68</td><td>240000</td></tr> <tr><td>Jan-18</td><td>5</td><td>240000</td><td>18.13</td><td>220000</td></tr> <tr><td>Feb-18</td><td>17.5</td><td>300000</td><td>12.78</td><td>220000</td></tr> <tr><td>Mar-18</td><td>18.44</td><td>130000</td><td>1.9</td><td>23000</td></tr> <tr><td>Apr-18</td><td>24.21</td><td>240000</td><td>2.7</td><td>30000</td></tr> </tbody> </table>	Month - year	Location – Haroa		Location - Malancha		BOD (mg/L)	FC (MPN/100mL)	BOD (mg/L)	FC (MPN/100mL)	Jan-17	15.4	80000	9.87	23000	Feb-17	12.85	110000	9.38	13000	Mar-17	9.5	50000	9.12	30000	Apr-17	20.46	13000	6.66	11000	May-17	19.12	30000	17.14	13000	Jun-17	13.39	70000	7.35	17000	Jul-17	15.54	80000	11.19	23000	Aug-17	12.88	1300000	13.25	800000	Sep-17	14.43	130000	8.13	170000	Oct-17	8.8	2400000	6.15	220000	Nov-17	10.38	240000	8.83	280000	Dec-17	6.5	300000	12.68	240000	Jan-18	5	240000	18.13	220000	Feb-18	17.5	300000	12.78	220000	Mar-18	18.44	130000	1.9	23000	Apr-18	24.21	240000	2.7	30000
Month - year	Location – Haroa		Location - Malancha																																																																																							
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Proposed Action Plan for rejuvenation of river Vidyadhari

	May-18	22.4	300000	6.2	170000				
	Jun-18	13.64	240000	25.83	17000				
	Jul-18	8.33	80000	10.42	23000				
	Aug-18	10.63	220000	6.4	30000				
	Sep-18	23.41	11000	3.75	2000				
	Oct-18	5	50000	7.27	8000				
	Nov-18	13.75	70000	11.15	13000				
	Dec-18	9.82	13000	10.92	8000				
	Average BOD for last two years (mg/L)		11.85						
	Average TC for last two years (MPN/100mL)		193770						
i)	Drains contributing to pollutions								
	Following drains contribute to pollution of the mentioned river stretch.								
	<ol style="list-style-type: none"> 1. SWF (Storm Water Flow) and DWF (Drainage Water Flow) discharging to Vidyadhari carrying wastewater form Kolkata MC area. 2. Bhangar_KataKhal discharging to Vidyadhari carrying wastewater form Kolkataq MC area 3. BagjolaKhal discharging to Vidyadhari carrying wastewater form Kolkata MC, Salt Lake area, Baranagar, South Dumdum and Dumdum Municipal area. 4. Nonagong discharging to HaroaGong-KultiGong carrying waster from Barasat, New_Barrackpore, Sodpure, Ashoknagar-Habra area. to HaroaGong-KultiGong discharges to Vidyadhari at Haroa. 5. Panshila-NakshaKhal discharging to NonaGong carrying wastewater from Garulia-Badu area. Nonagong discharges to Vidyadhari at Telia just before Haroa. 6. SutiaKhal discharging to HaroaGong carrying wastewater of municipal areas from North Dumdum to Bhatpara municipal area. 7. BanikanthaKhal discharging to SutiaKhal carrying wastewater from Madhyamgram and Barasat area. 8. PaskhaliKhal discharging to HaroaGong carrying wastewater from the rural area, east of Rajarhat-NewTown area. 								
ii)	Latest water quality current as per assessment target								
	<p>Considering the impact of this river water to the sensitive ecosystem of the Sundarvanas and the livelihood of the fishermen living on both sides of the river, revival of the water quality of this river is extremely important on context of its utility as it is non perennial River. The ultimate goal for beneficial use of rivers will determine the level of actions to be taken for maintaining the water quality. Under the present circumstances, it appears that river Vidyadhari serves the purpose of fishery, wild life propagation, irrigation and, most importantly, the health of the Sundarvan ecosystems. For achieving this objective, generated municipal sewage should be treated to meet the required standards for outdoor bathing. Also, the trade and other effluents generated within the catchment of river generated from the catchment of river Vidyadhari which are ultimately joining and contributing to the pollution load in the river should be treated to meet the effluent discharge standards stipulated under the GENERAL STANDARDS FOR DISCHARGE OF ENVIRONMENTAL POLLUTANTS PART-A: EFFLUENTS of the Environment (Protection) Rules, 1986.</p> <p>The last two years average BOD and Total Coliform for the stretch are tabulated below.</p> <table border="1"> <tbody> <tr> <td>Average BOD for last two years (mg/L)</td> <td>11.85</td> </tr> <tr> <td>Average TC for last two years (MPN/100mL)</td> <td>193770</td> </tr> </tbody> </table> <p>The target for water quality for the stretch is for fishery and wild life propagation.</p>					Average BOD for last two years (mg/L)	11.85	Average TC for last two years (MPN/100mL)	193770
Average BOD for last two years (mg/L)	11.85								
Average TC for last two years (MPN/100mL)	193770								
iii)	Characteristics of river and the major drains								
	<p>Although the major drains mentioned above are sewage carrying ones, the SWF/DWF system needs a special mention. The DWF carries the municipal wastewater from the Kolkata down to Vidyadhari and during this run of 22 km, the wastewater gets purified naturally and the system is equivalent to a massive wastewater treatment system. This region through which the SWF/DWF run is the East Kolkata Wetlands and has been recognized as the Ramsar site. Sewage fed fisheries exist during this stretch to a great extent who need the sewage to supply sufficient BOD for the fishes to be fed in those fisheries. Thus, the wastewater treatment and fish cultivation as complimentary to each</p>								

Proposed Action Plan for rejuvenation of river Vidyadhari

	<p>other has given a unique feature to this east Kolkata wetlands.</p> <p>The river stretch under consideration is very close to the Bay-of-Bengal and is under strong influence of the tides. Therefore, water is available in this stretch round the year. The water quality status of the river, as influenced by the discharges of the sources mentioned above is monitored on monthly basis at two water quality monitoring stations at Haroa (up-stream) and Malancha (downstream). On the basis of this data the stretch was identified as under priority I. During preparation of the current report, the water quality data of this stretch for last two years was analyzed using the latest "CRITERIAFOR PRIORITISATIONOF POLLUTEDRIVERLOCATION(DRAFT)" circulated by the Central Pollution Control Board (CPCB). Using data of last 24 determinations in two years (January 2017 to December 2019), the river stretch could be identified as Priority III (Moderately Polluted or Fair) with the last two years' average BOD data of 11.8 mg/L and Faecal Coliform value of 194000 MPN/100mL.</p>							
iv)	Flow details of the polluted river stretch							
	The river stretch is in tidal zone and therefore the flow reverses twice a day. Flow record generation thus is not possible for this stretch. However, the irrigation department will prepare a storm water discharge record within one month.							
v)	Characteristics of the major drains contributing to pollution							
	Water quality characteristics of the drains as determined in January 2019 is presented below.							
	Drain discharging to river Vidyadhari		BOD (mg/L)		FC (MPN/100mL)			
	1. SWF/DWF discharging to Vidyadhari		26.46		50000			
	2. Bhangar_KataKhal discharging to Vidyadhari		23.5		50000			
	3. BagjolaKhal discharging to Vidyadhari		23.93		30000			
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	5. Panshila-Naksha Khal discharging to NonaGong		Data Not Available		Data Not Available			
	6. SutiaKhal discharging to HaroaGong		24.29		80000			
	7. BanikanthaKhal discharging to SutiaKhal		42.00		300000			
	8. Paskhali Khal discharging to HaroaGong c		12.3		500000			
vi)	Flow details of the major drains contributing to river pollution							
	The river stretch is in tidal zone and therefore the flow reverses twice a day. Flow record generation thus is not possible for this stretch. However, flow details of the drains related to the river Vidyadhari are provided below.							
	Drain discharging to river Vidyadhari		Average water flow in dry season (cusec)					
	1. SWF/DWF discharging to Vidyadhari		4500					
	2. Bhangar_KataKhal discharging to Vidyadhari		1020					
	3. BagjolaKhal discharging to Vidyadhari		1100					
	4. Nonagong discharging to HaroaGong-KultiGong		2315					
	5. Panshila-NakshaKhal discharging to NonaGong		680					
	6. SutiaKhal discharging to HaroaGong		1330					
	7. BanikanthaKhal discharging to SutiaKhal		550					
	8. PaskhaliKhal discharging to HaroaGong c		660					
vii)	Ground water quality in the catchment of polluted river stretch							
	<p>The ground water quality of the catchment area of river Vidyadhari is presented in table at Annexure-1(A). The data shows that some locations of HAROA block has problem of ground water Arsenic contamination. However, treated fresh water supply for the entire region has been instituted through the 66 MLD project of "Surface Water based water supply scheme for Haroa, Rajarhat and Barasat-II Block" by the Public Health Engineering Department of the GoWB.</p> <p>The West Bengal Pollution Control Board keeps a strict vigil over the metal contamination of the ground water in this region. The ground water data in respect of the heavy metals were screened for the ground water stations of this region for last three years and hardly any presence could be found excepting Zinc. Zinc, however, reported a maximum concentration of 650 microgram per cubic meter. This can easily be ignored as the drinking water standard for Zinc is 5000 microgram per cubic meter. The heavy metal concentrations in the ground water for last three years are provided in Table in Annexure-1(B).</p>							
viii)	Health status of the public in the catchment of polluted river stretch							
	The table below summarizes the health status of the habitants of the two blocks surrounding the river stretch.							
	Sl.	Block	IPD admission	OPD attendance	Live birth	Infant death	Maternal death	Major diseases

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1	Minakhan	5656	123190	1862	36	4	Dengue, Malaria, Fever, Diarrhea
2	Haroa	4177	92959	1529	27	2	Respiratory Tract Infection
<p>The Gap analysis done by the Health department identified irregularity of collection and disposal of Biomedical Wastes from the primary health centers as the reason for occasional health hazard incidents. As a remedial measure, development of Common Biomedical Waste Treatment Facility within 75 Kilometer of the sources of generation has been proposed.</p>							
3	Inventory sources of pollution and gaps identification						
Sources of pollution for this river stretch have been identified and reported at section 2(i) above. The action plans provided below takes care of these sources.							
(a)	Municipal sources / sewage management						
i)	Sewage generation from towns located on the banks of the polluted river						
ii)	Number of sewage treatment plants and treatment capacity. Actual sewage treatment and the gaps in treatment						
iii)	Number of STPs proposed and capacity						
iv)	Interception and diversion of drains / treatment given						
(b)	Drainage system / sewage network present / proposed						
Response to queries under 3 (a) and 3 (b) are provided below and the actions taken and to be taken are in table form.							
Within Kolkata Municipal Corporation Area discharging to SWF/DWF Canal							
PRESENT SEWAGE GENERATION ----- 1272 MLD							
EXISTING STPS AND CAPACITY ----- 1072 MLD							
(of this 1072 MLD, 900 MLD is treated by the East Kolkata Wetland System)							
PROPOSED STPS WITH CAPACITY BASED ON 2035 PROJECTED POPULATION ----- 111.36 MLD							
Within Kolkata Municipal Corporation Area discharging to Bhangar Kata Khal							
PRESENT SEWAGE GENERATION ----- 262.24 MLD							
EXISTING STPS AND CAPACITY ----- 204.73 MLD							
PROPOSED STPS WITH CAPACITY BASED ON 2035 PROJECTED POPULATION ----- 296.43 MLD							
Other than Kolkata Municipal Corporation Area							
Name of Town	Population on 2011	Present Sewage Generation according to Population (MLD)	Existing No. of STP & Capacity	Proposed No. of STP & It's Capacity according to 2035 Population (MLD)	Proposed Sewage Network considered (Km.)	Timeline of completion	
Gayeshpur	55,048	6.00	1 No. 8.33 MLD	1 No. 8.33 MLD	71.00	completed	
Kalyani	1,00,575	11.00	2 Nos. 21.00 MLD	2 Nos. 21.00 MLD	47.00	completed	
Bhatpara	3,83,762	41.50	4 Nos. 61.00 MLD	4 Nos. 61.00 MLD	103.00	completed	
Halisahar	1,24,939	13.50	1 No. 6.50 MLD	1 No. 16.00 MLD	227.00	To be completed by March 2020	
Barrackpore	1,52,783	16.50	1 No. 1.00 MLD	2 Nos. 24.00 MLD	247.00	To be completed by March 2020	
Kamarhati – Baranagar	5,75,426	62.00	1 No. 40.00 MLD	1 No. 60.00 MLD	2.50 (I & D)	To be completed by March 2023	
Kanchrapar	1,20,345	13.00	1 No.	1 No.	15.00 (I & D)	To be	

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	a			6.00 MLD	18.00 MLD		completed by March 2023
	Khardah	1,08,496	12.00	2 Nos. 9.00 MLD (with Part of Titagarh)	1 No. 17.50 MLD	3.70 KM(I&D)	Will be completed within 3years after approval
	Naihati	2,17,900	23.53	2 Nos. 18.00 MLD	1 No. 31.50 MLD	1.10 (I & D)	Will be completed within 3years after approval
	Panihati	3,77,347	41.00	1 No. 12.00 MLD	1 No. 12.00 MLD	10.50 (I & D)	Will be completed within 3years after approval
	Garulia	85,336	9.21	1 No. 7.90 MLD	1 No. 13.10 MLD	2.20 (I & D)	Will be completed within 3years after approval
	Titagarh	1,16,541	13.00	1 No. 14.00 MLD (with Khardah Part)	1 No. 14.00 MLD	4.50 KM(I&D)	Will be completed within 3years after approval
	Kestopur Canal				1 No., 55 MLD		Will be completed within 3years after approval
	Bagjola Canal				1 No., 58 MLD		Will be completed within 3years after approval
	New Town – Rajarhat				1 NO., 25 MLD		September 2019
(c)	Industrial pollution control						
i)	Number of industries – category Red or water polluting / small scale			407			
ii)	Industries without consent / authorization			NIL			
iii)	Number of directions issued to industries			Detailed survey in progress.			
iv)	Total water consumption and the waste water generation by the industries			28.02 MLD			
v)	Number of industries having captive ETps and treatment capacity			Detailed survey in progress.			
vi)	Number of industries those are members of the CETP			There is only 1 (one) number of CETP in West Bengal, mainly for treating effluent generated from 335 no. of tanneries located at Calcutta Leather Complex at Bantala, south 24 Parganas. Total quantity of effluent generation is approximately 19.9 MLD. Actual effluent quantity varies from 15 MLD to 20 MLD. Present capacity of CETP is 20 MLD.			
vii)	Number of CETPs existing in the catchment of polluted river stretch and the treatment capacity			1 (one) with 4 modules of capacity 5MLD each (Total capacity : 20 MLD)			
viii)	OCEMS installation status by industries			1 (one) month			
ix)	Gaps in treatment of industrial effluent			6 (six) months			
x)	Present / proposed CETP capacity / member units			Additional 4 modules of CETP of capacity 5MLD each (i.e. total capacity of 20 MLD) has been proposed within Calcutta Leather Complex at Bantala, South 24 Parganas.			
4	Identification of major sources required to be controlled based on pollution load						
a)	Waste management status						
	Biomedical waste management Action Plan:						

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Biomedical Waste Generation- 3200 kg/day(approx.)			
	Locations of Common Bio-medical Waste Treatment Facility	Present Status	
1	Medicare Environmental Management Pvt. Ltd. K-26, Phase – III, Growth Centre, (Behind IOCL LPG Bottling Plant), Kalyani, Nadia	In operation. Treatment capacity of CBWTSDF is 30,000 bed/day i.e. equivalent to 7500 kg/day (on the basis of 250 grams /bed/day)	
2	Medicare Environmental Management Pvt. Ltd., Gopalpur, Duttapukur, North 24 Parganas	Under Construction (to cope up the future demand and to have rational distribution of treatment of BMW of this particular Basin)	
i)	Industrial waste management		
	Industrial waste has two portions. The hazardous waste is managed through the appropriate TSDF site and the vendor lifting and transporting the hazardous wastes to the sites. At present there is no gap in capacity of the Haldia TSDF facility to deal with the hazardous waste generated in the entire Kolkata and North 24-Paraganas district.		
ii)	Solid waste management		
	Solid waste generated by Portion of the Kolkata Municipal Corporation and eighteen municipal towns of the North 24-Paragana District have been identified to have contribution to pollution of the river stretch. Total population covered is 89,36,014 and number of municipal wards 704.		
	District	Name of Urban Local Body	No. of Ward
			Population (2011 census)
	Kolkata	Kolkata Municipal Corporation	144
	North 24 Parganas	Bidhannagar Municipal Corporation	60
	North 24 Parganas	South Dum Dum Municipality	35
	North 24 Parganas	Bhatpara Municipality	35
	North 24 Parganas	Panihati Municipality	35
	North 24 Parganas	Kamarhati Municipality	35
	North 24 Parganas	Barasat Municipality	32
	North 24 Parganas	North Dum Dum Municipality	31
	North 24 Parganas	Baranagar Municipality	34
	North 24 Parganas	Naihati Municipality	31
	North 24 Parganas	Madhyamgram Municipality	25
	North 24 Parganas	Barrackpore Municipality	24
	North 24 Parganas	Habra Municipality	24
	North 24 Parganas	North Barrackpore Municipality	23
	North 24 Parganas	Halisahar Municipality	23
	North 24 Parganas	Ashokenagar-Kalyangarh Municipality	22
	North 24 Parganas	Kanchrapara Municipality	24
	North 24 Parganas	Titagarh Municipality	23
	North 24 Parganas	Dum Dum Municipality	22
	North 24 Parganas	Khardah Municipality	22
			704
			8936014
iii)	Gaps identified in waste management		
	Although 100 percent door to door collection of solid waste has been achieved for all the towns under consideration, only 4.86 percent of "segregation a source" has been achieved in Kolkata. However, no solid waste of Kolkata Municipal Corporation reach the river Vidyadhari. Rest towns are yet to initiate such programme. The action plan for initiation of such segregation at source activity followed by other processing and disposals are presented, along with timeline, at Annexure-2.		
iv)	Proposed actions for solid wastes, industrial waste and bio-medical waste management		
5	Any other information		
i)	Remedial plans for control of ground water contamination		

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Major remedial measures to control ground water contamination has been taken in controlling Open defecation and construction drainage system and soak pits in panchayet (rural) areas

- i) Construction of platform, pucca drain and soak pits for Tube-wells and compost/ azolla pit at household and cluster level.
- ii) Providing access of twin leach pit safe and sanitary toilets to every eligible rural household thereby arresting the possibility of discharge of domestic black water to the adjacent or nearby water bodies including rivers. Present sanitation coverage in the rural areas of the state stands at **99.61%**.

A detailed account of sanitation project in this area is provided below.

SL	NAME OF THE DISTRICT	NAME OF THE BLOCK	TOTAL HOUSEHOLD TOILET CONSTRUCTED (FROM 2013-14 TILL DATE)
1	NORTH 24 PGS	HAROA	36035
2	NORTH 24 PGS	MINAKHAN	27026

Other major initiative taken and implemented are surface water based water supply schemes and the action plan is to cover the entire area in 5 years. Schemes are provided below.

Current Status	Action Plan
<p>Surface water based water supply and distribution schemes.</p> <p>Schemes implemented and under Operation:</p> <p>a) North 24 Pgs Surface Water based Arsenic Area W/S Scheme : 34 MLD</p>	<p>Surface water based water supply and distribution schemes.</p> <p>On-going Schemes to be commissioned within 05 years :</p> <p>a) Habra-Gaighata Surface Water based water supply scheme : 145 MLD</p> <p>b) Surface Water based water supply scheme for Haroa, Rajarhat and Barasat-II Block : 66 MLD</p> <p>c) Integrated Surface Water based water supply scheme for Basirhat-I, II, Baduria and Swarupnagar Block : 272 MLD</p> <p>d) Surface Water based water supply scheme for Bagda, Bangaon Block and Bangaon Municipality : 115 MLD.</p>
<ol style="list-style-type: none"> 1. As per Dynamic Groundwater Resources Assessment & Categorization HAROA block is in 'SAFE' Category. 2. At present Groundwater monitoring for depth to water level and water quality are done on 10 X 10 Km² grid basis for single principal aquifer. 3. SWID have installed Real Time Water level Monitoring system with telemetry for continuous monitoring of the depth to water level (4 times in a day) in 522 nos. of locations throughout the state. 4. In respect of MINAKHA block the Upper & Middle Aquifer is brackish in nature, Groundwater withdrawal is restricted. 5. In respect of quality of Groundwater both the blocks are having Arsenic concentration more than permissible limit. 6. Case to case basis application for Industries for withdrawal of groundwater is scrutinized by District Level Authority(DLA). 7. Permission for withdrawal of groundwater is given with the sealing of aquifer where the 	<ul style="list-style-type: none"> • Groundwater Depth to Water Level Monitoring system on 5 X 5 Km² grid basis and as well as for multiple aquifer has been proposed. Due to increasing demand of Ground Water in the Corporation and Municipal areas , a Real Time Water level Monitoring system with telemetry for continuous monitoring of the depth to water level (4 times in a day) has been proposed. The said work plan will be executed within coming 5 years. • Each Gram-panchayet Level Water Quality monitoring will be taken up in the state. The said work plan will be executed within coming 5 years. • Dynamic Groundwater Assessment (2017) according to GEC-2015 methodology is in progress and will be submitted within this year. • Excavation of Ponds proposes for water harvesting in each year according to the availability of fund.

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	<p>concentration of Arsenic is more than permissible limit.</p> <p>8. Pilot Rainwater Harvesting Scheme are taken in the area for awareness of People.</p> <p>9. Mass-awareness programme on Present Groundwater condition, its proper utilization in different sector and related Groundwater Acts and Water testing camp is going on.</p>	<ul style="list-style-type: none"> • Groundwater development scheme are being taken up in consultation with State Water Investigation Directorate. • Surface Water Development Schemes are taken up where ever feasible in agriculture.
ii)	Remedial plans for health impacts in the catchment of polluted river stretch	
	The Gap analysis done by the Health department identified irregularity of collection and disposal of Biomedical Wastes from the primary health centers as the reason for occasional health hazard incidents. As a remedial measure, development of Common Biomedical Waste Treatment Facility within 75 Kilometer of the sources of generation has been proposed.	
iii)	Identified organizations responsible for preparation of and execution of action plans, with timeline and budgetary estimate.	Provided in Annexure - III
iv)	Monitoring mechanism proposed for implementation of action plans	
	This action plan is to be monitored by the River Rejuvenation Committee (RRC) every tri-monthly. District level monitoring committees will be formed under the chairmanship of the respect District Magistrates for monitoring the district level activities and submit reports to the RRC every three month.	
v)	Web-side development for information dissemination	
	A separate web-page have been created and all relevant information in relation to all the polluted river stretches are provided in the site. This can be availed at the web address https://www.wbpcb.gov.in/pages/display/143-river-rejuvenation-committee and the "Present Status of Polluted River Stretches" section specifically narrates the stage and status of progress of implementation of the Action Plan(s) in general and that for Vidyadhari in particular in real time. It means the latest water quality status is presented in the report which can be viewed against the same when the river was identified as "polluted river".	
vi)	Public mass awareness	
	<ol style="list-style-type: none"> 1. Awareness trainings has been initiated by the Health department on Biomedical Waste Management 2. Extensive awareness programme is conducted by the PHE Department on awareness to avoid ground water and use pipeline supply for consumption to avoid arnesic exposure. 3. A comprehensive plan for plantation across the stretch will be developed and implemented by using MGNREGA resources 4. Vetiver grasses will be planted on the river/ canal bank, which will serve twin purpose to absorbing heavy metal and protecting the banks from soil erosion 5. Floats will be made of vetiver and placed inside the canal to attract heavy metal thereby reducing pollution load 6. In sanitation, solid waste management will be a priority, along with imposing ban on use of plastic carry bags <50 microns 	

Ground water quality of area surrounding river Vidyadhari during 2018

Sample ID	PZ No	Block	Location	Type of Source	Date of Collection	pH	Sp. Conductance at 25°C Mhos/cm or µS/cm	Total Dissolved Solid (TDS) in (mg/l)	Carbonate as CO ₃ in (mg/L)	Bicarbonate as HCO ₃ in (mg/l)	Chloride as Cl in (mg/L)	Total Hardness as CaCO ₃ in (mg/l)	Total Iron as Fe in (mg/l)	Total arsenic as As in (mg/l)	Remarks	
NWM79	11	Haroa	Dhonpota Bazar, Plot No.-295	Pizometric Tube	27.04.18	7.61	630	404	Nil	270	14	200	0.10	BDL		
NWM80	87	Haroa	Kharuballa Primary School premises		27.04.18	7.68	570	366	Nil	290	290	14	250	0.03	BDL	
NWM81	88	Haroa	Kharuballa Primary School premises		27.04.18	7.70	560	360	Nil	210	210	14	220	0.15	BDL	
NWM82	91	Haroa	Radhanagar Masjid F. P. School		27.04.18	7.79	1500	960	Nil	220	220	355	260	0.51	BDL	
NWM83	92	Haroa	Radhanagar Masjid F. P. School		27.04.18	7.58	1590	1018	Nil	190	190	355	230	0.49	BDL	
NWM84	85	Haroa	Raikha Primary School Premises, Plot-468		27.04.18	8.01	830	532	Nil	270	270	57	190	0.07	BDL	
NWM85	86	Haroa	Raikha Primary School Premises, Plot-468		27.04.18	8.04	800	512	Nil	290	290	50	200	0.03	BDL	
NWM86	79	Haroa	Haroa BDO premises		27.04.18	8.01	970	622	Nil	360	360	71	200	0.25	BDL	
NWM87	80	Haroa	Haroa BDO premises		27.04.18	8.10	980	628	Nil	350	350	71	200	0.05	BDL	
NWM88	81	Haroa	Madartola Primary School Premises, plot-128		27.04.18	7.65	790	506	Nil	270	270	50	180	0.30	BDL	
NWM89	82	Haroa	Madartola Primary School Premises, plot-20		27.04.18	7.68	770	494	Nil	290	290	57	200	0.39	BDL	
NWM90	83	Haroa	Amtafokania Madrasa Compound Plot-20		26.04.18	7.92	800	512	Nil	340	340	43	240	0.07	BDL	
NWM91	84	Haroa	Amtafokania Madrasa Compound Plot-20		N/A	8.10	810	520	Nil	330	330	57	230	0.08	BDL	
NWM92	89	Haroa	Ghanarban F. P. School		26.04.18	8.15	860	552	Nil	410	410	57	100	0.04	0.025	
NWM93	90	Haroa	Ghanarban F. P. School	26.04.18	8.11	870	558	Nil	410	410	57	100	0.03	0.025		
NWM101	95	Minakhan	BDO office Compound	Pizometric Tube	04.05.18	7.72	840	538	Nil	230	71	180	0.04	BDL		
NWM102	96	Minakhan	BDO office Compound		04.05.18	7.68	770	494	Nil	240	240	71	170	0.02	BDL	
NWM103	93	Minakhan	BechraMohonpur, plot of Sri D. K. Patra		04.05.18	7.76	760	488	Nil	250	250	64	150	0.03	BDL	
NWM104	94	Minakhan	BechraMohonpur, Harinhula F.P. School		04.05.18	7.70	990	634	Nil	240	240	135	200	0.03	BDL	

Concentration of Heavy Metals (in µg/l) in groundwater of Vidyadhari catchment								
BDL: Below Detectable Limit								
:: Barasat Station ::								
Year	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	26	BDL	BDL	NT	NT	BDL	NT	58
2017	BDL	BDL	BDL	BDL	BDL	NT	BDL	BDL
2018	22.5	BDL	BDL	6	BDL	NT	BDL	BDL
:: HIDCO Station ::								
	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
:: Rajarhat Station ::								
	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
:: Dhapa Station ::								
	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	650
2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	130
:: Calcutta Leather Complex Station ::								
	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	640
2018	7	BDL	BDL	BDL	BDL	BDL	BDL	BDL
:: Tangra Station ::								
	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	220
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	500
:: Topsia Station ::								
	Arsenic	Cadmium	Chromium Total	Copper	Lead	Mercury	Nickel	Zinc
2016	BDL	BDL	BDL	BDL	BDL	BDL	BDL	130
2017	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2018	BDL	BDL	BDL	BDL	BDL	BDL	BDL	100

Proposed Solid Waste Management Plan for Kolkata Municipal Corporation and the municipal towns of North 24-Paraganas																				
District	Sl. No.	Name of Urban Local Body	No. of Ward	Population (2011 census)	Door to door Collection		Segregation at source		Separate Transportation		Public area sweeping		MRF Facilities		Wet waste processing		Dry waste processing		Activities of bulk waste generators	
					Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan	Stat us	Action Plan
Kolkata	21	Kolkata Municipal Corporation	144	4496694	100%	100% to be achieved by Dec, 2022	4.86%	100% to be achieved by Dec, 2022	4.86%	100% to be achieved by Dec, 2022	100%	100% to be achieved by Dec, 2022	30%	100% to be achieved by Dec, 2022	4.86%	100% to be achieved by Dec, 2022	0%	100% to be achieved by Dec, 2022	0%	Draft bylaw is under preparation. To be implemented by 2022.
					NA	NA	NA	NA	100%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2020	100%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2021
North 24 Parganas	28	Bidhannagar Municipal Corporation	60	618358	100%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2021	100%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2021	0%	100% to be achieved by Dec, 2021
					NA	NA	NA	NA	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020
North 24 Parganas	29	South Dum Dum Municipality	35	403316	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020
					NA	NA	NA	NA	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020
North 24	30	Bhatpara Municipal	35	383762	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	100%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020	0%	100% to be achieved by Dec, 2020

Annexure-2

Parganas	ity			%		to be achieved by Dec, 2021		to be achieved by Dec, 2021		to be achieved by Dec, 2021		to be achieved by Dec, 2021		to be achieved by Dec, 2021		to be achieved by Dec, 2021		to be achieved by Dec, 2021
North 24 Parganas	31	35	377347	100%	NA	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
	Panihati Municipality																	
North 24 Parganas	32	35	330211	100%	NA	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
	Kamarhati Municipality																	
North 24 Parganas	33	32	278435	100%	NA	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
	Barasat Municipality																	
North 24 Parganas	34	31	249142	100%	NA	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
	North Dum Dum Municipality																	

North 24 Parganas	35	Baranagar Municipality	34	245213	100%	NA	0%	2020	100% to be achieved by Dec, 2020	0%	2020	100% to be achieved by Dec, 2020	0%	2020	100% to be achieved by Dec, 2021
North 24 Parganas	36	Naihati Municipality	31	217900	100%	NA	0%	2020	100% to be achieved by Dec, 2020	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2021
North 24 Parganas	37	Madhyam gram Municipality	25	196127	100%	NA	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2022
North 24 Parganas	38	Barrackpore Municipality	24	152783	100%	NA	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2022
North 24 Parganas	39	Habra Municipality	24	147221	100%	NA	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2021	0%	2020	100% to be achieved by Dec, 2021

Annexure-2

North 24 Parganas	4 0	North Barrackpo re Municipal ity	23	132806	100 %	NA	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	0%	by Dec, 2021	100% to be achiev ed by Dec, 2022	0%	by Dec, 2021	100% to be achiev ed by Dec, 2022	100% to be achieved by Dec, 2022
North 24 Parganas	4 2	Halisahar Municipal ity	23	124939	100 %	NA	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	0%	by Dec, 2021	100% to be achiev ed by Dec, 2022	0%	by Dec, 2022	100% to be achiev ed by Dec, 2022	100% to be achieved by Dec, 2022
North 24 Parganas	4 3	Ashokena gar- Kalyangar h Municipal ity	22	121592	100 %	NA	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	100% to be achieved by Dec, 2021
North 24 Parganas	4 4	Kanchrap ara Municipal ity	24	120345	100 %	NA	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	0%	by Dec, 2021	100% to be achiev ed by Dec, 2022	0%	by Dec, 2022	100% to be achiev ed by Dec, 2022	100% to be achieved by Dec, 2022
North 24	4 5	Titagarh Municipal	23	116541	100 %	NA	0%	by Dec, 2021	100% to be achiev ed by Dec, 2021	0%	by Dec, 2021	100% to be achiev ed by Dec, 2022	0%	by Dec, 2022	100% to be achiev ed by Dec, 2022	100% to be

Annexure-2

Parganas	ity			achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020	achieved by Dec, 2021	achieved by Dec, 2020
North 24 Parganas	Dum Dum Municipality	22	114786	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%
North 24 Parganas	Khardah Municipality	22	108496	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%	100%	0%

<i>Distribution of Organizational Responsibilities :::: Timelines & Budgetary Estimate</i>			
<i>Departments / Agencies</i>	<i>Actions to be taken</i>	<i>Targeted timeline</i>	<i>Budgetary Estimate</i>
Kolkata Metropolitan Development Authority	<ol style="list-style-type: none"> Action plans for management of municipal wastewater discharge for Vidyadhari. Finalize the GIS-based interactive map preparation by DST. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> Town wise consumption – Surface Water Town wise consumption – Ground Water Town wise sewage generation Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>	Action plan provided at 3(b). Target timelines for the projects are March 2020 to March 2023.	Total estimate: Rs. 2514.83 Crore.
Kolkata Municipal CorporationMC	<ol style="list-style-type: none"> Action plans for management of municipal wastewater discharge for Vidyadhari. Action plan for development of greeneries in KMC area. Action plans for Ground water re-charging /rain water harvesting in KMC area. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes in KMC area. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> Town wise consumption – Surface Water Town wise consumption – Ground Water Town wise sewage generation Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>		
PHED	<ol style="list-style-type: none"> Action plans for management of municipal wastewater discharge for New Town Area.. Action Plans of distribution of treated river water to habitations traditionally use ground water. Action plans for replacement of withdrawal of groundwater in Arsenic affected blocks of the State. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> Town wise consumption – Surface Water Town wise consumption – Ground Water Town wise sewage generation Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment</p>	Action Plans provided. Surface water based water supply schemes to prevent ground water abstraction – total 483 MLD	Rs. 1901.85 crore total.
SUDA	Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes the following rivers and towns. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis. Vidyadhari – Ganga-front towns.	The solid waste management issue is being dealt by the State Level Task Force by Hon'ble NGT in OA No. 606/2018.	The solid waste management issue is being dealt by the State Level Task Force by Hon'ble NGT in OA No. 606/2018.
WBPCB	For all the 17 river stretches under consideration. <ol style="list-style-type: none"> Inventorization of water polluting industries Categories of industry and effluent quality 	Action Plan Provided, Survey in Progress.	No specific requirement.

	3. Treatment of effluents, compliance with standards and mode of disposal of effluents 4. Establishment of regulatory regime.		
Panchayat & Rural Development Department	1. River specific action plans for black and grey liquor management, municipal solid waste management and surface water preservation programmes (e.g., Rainwater harvesting). 2. To coordinate with Forest Department for providing lands for tree plantation and development of biodiversity parks. 3. Watershed management programmes, IHHL activities etc. Special emphasis is required from the PNRD department for the cases of the following rivers as no urban wastewater reaches the rivers.	Action Plan Provided. Will GP level solid waste management units at 11 locations in the Blocks surrounding Vidyadhari . Time line – 2 Years. Plantation programmes during 2019 - 2020	Rs. 2.0 Crore. 12.92 Lakh
Water Resources Investigation & Development Department	River specific action plan on the following. (i) Periodic assessment of groundwater resources and regulation of ground water extraction by industries particularly in over exploited and critical zones/blocks. (ii) Ground water re-charging /rain water harvesting (iii) Periodic ground water quality assessment and remedial actions in case of contaminated groundwater tube wells/bore wells or hand pumps. (iv) Assessment of the need for regulating use of ground water for irrigation purposes.	Has provided action plan.	Will be taken care from State Budget Funding.
Agriculture Department	1. Watershed Development in total 219 ha of land. 2. Good agricultural practice (reclamation, re-excavation, irrigation channel, water harvesting, dug well etc..)	2019 – 2020 2019-2020	181.06 Lakhs. 38.31 Lakh.
Forest Department	1. Plantation Work son banks of river 2. Development of Biodiversity Park	2019-2020 2020-2021	29.3 Lakh 4.07 Lakh /ha

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West Bengal State NGRBA Program Management Group (SPMG)
Urban Development & Municipal Affairs Department,
Govt. of West Bengal

Memo No.: 1912--NGRBA/SPMG/AP-NGT-505(P-II)/2018/2019

Dated: 11 /07/2019

Weekly co-ordination meeting of RRC members on 12th July 2019 at 2:30 PM

In pursuance to the 4th RRC meeting held on 4th July 2019 at 11:30 AM regarding the directives of the Hon'ble NGT (OA No: 673/2018) dated 08-04-2019, a weekly co-ordination meeting will be held on 12th July 2019 at 2:30 PM at the Conference Hall of KMDA (Unnayan Bhavan, 3rd Floor, Block-A).

All the members and authorised departmental representatives are requested to remain present in the meeting with modified Action Plan with timeline and budgetary provision.

Sd/-
Program Director, WBSPMG
& CEO, KMDA

Memo No.: 1911/1(13) NGRBA/SPMG/AP-NGT-505(P-II)/2018/2019

Dated: 11 /07/2019

Copy forwarded for necessary action with request to attend the said meeting-

1. Member Secretary, West Bengal Pollution Control Board - Chairman
2. Chief Environment Officer, Environment Department-Member.
3. Commissioner of Kolkata Municipal Corporation - Member.
4. Commissioner of Howrah Municipal Corporation- Member.
5. Commissioner of Siliguri Municipal Corporation- Member.
6. Chief Executive Officer, Siliguri Jalpaiguri Development Authority - Member.
7. Chief Executive Officer, Asansol Durgapur Development Authority - Member.
8. Director, State Urban Development Agency - Member.
9. Director, Water Investigation Directorate - Member.
10. Chief Scientist, West Bengal Pollution Control Board - Member.
11. Chief Engineer, Kolkata Metropolitan Development Authority - Member.
12. The Director of Industries, Commerce & Industries Department - Member.
13. Representative not below the rank of Joint Secretary, Irrigation and Waterways Department - Member.
14. Representative not below the rank of Joint Secretary, Information Technologies & Electronics Department - Member.
15. Representative not below the rank of Joint Secretary, Forest Department - Member.
16. Representative not below the rank of Joint Secretary, Public Health Engineering Department. - Member.

WBSPMG

West Bengal State NGRBA Program Management Group (SRMG)
Urban Development & Municipal Affairs Department,
Govt. of West Bengal

17. Representative not below the rank of Joint Secretary, Micro, Small & Medium Enterprises Department - Member.
18. Representative not below the rank of Joint Secretary, Health & Family Welfare Department - Member.
19. Representative not below the rank of Joint Secretary, Water Resources Investigation & Development Department - Member.
20. Representative not below the rank of Joint Secretary, Urban Development and Municipal Affairs Department - Member.
21. Representative not below the rank of Joint Secretary, Agriculture Department - Member.
22. Representative not below the rank of Joint Secretary, Panchayat and Rural Development Department - Member.
23. Senior Engineer, State Program Management Group as Special Invitee.



Program Director, WBSPMG
& CEO, KMDA

JS(SHM) 9/11/2019

DEPARTMENT WISE TASKING DETAILS ON REJUVENATION OF POLLUTED RIVERS :::: 08/07/2019

Departments / Agencies	Actions to be taken
<p>KMDA</p>	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for rivers Ganga, Vidyadhari, Churni, Damodar and Barakar. 2. Finalize the GIS-based interactive map preparation by DST. <p>Information to be incorporated:</p> <ol style="list-style-type: none"> 1. Town wise consumption – Surface Water 2. Town wise consumption – Ground Water 3. Town wise sewage generation 4. Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>
<p>Asansol Durgapur Development Authority Asansol Municipal Corporation Durgapur Municipal Corporation</p> <p>All three agencies may coordinate with KMDA and SUDA for the activities.</p>	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for Damodar and Barakar. <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p> <ol style="list-style-type: none"> 2. Action plan for solid waste management. 3. Action plan for development of greeneries. 4. Action plans for Ground water re-charging /rain water harvesting. 5. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure
<p>KMC</p>	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for rivers Ganga and Vidyadhari. 2. Action plan for solid waste management for KMC area. 3. Action plan for development of greeneries in KMC area. 4. Action plans for Ground water re-charging /rain water harvesting in KMC area. 5. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes in KMC area. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose,</p>

	<p>which is possible for these towns.</p>
PHED	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for river Dwarka. 2. Action Plans of distribution of treated river water to habitations traditionally use ground water. This has to be river specific for all the 17 polluted river stretches for which such plans are available with PHED. 3. Action plans for replacement of withdrawal of groundwater in Arsenic affected blocks of the State. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment</p>
MED and SUDA	<p>Action plans for management of municipal wastewater discharge for the following rivers and towns Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis.</p> <ol style="list-style-type: none"> 1. Jalangi – Krishnanagar 2. Kansi - Medinipur 3. Dwarkeswar - Bankura 4. Kaljani - Alipurduar 5. Karola - Jalpaiguri 6. Rupnarayan – Tamluk & Kolaghat <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment</p> <p>Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>
SUDA	<p>Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes the following rivers and towns. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis.</p> <ol style="list-style-type: none"> 1. Jalangi – Krishnanagar 2. Kansi - Medinipur 3. Dwarkeswar - Bankura 4. Kaljani - Alipurduar 5. Karola - Jalpaiguri 6. Rupnarayan – Tamluk & Kolaghat 7. Mayurakshi - Suri 8. Silabati - Ghatal 9. Teesta - Jalpaiguri

	<p>10. Churni – Ranaghat 11. Damodar – Asansol and Durgapur Municipal Corporation 12. Barakar – Asansol Municipal Corporation 13. Dwarka 14. Mahananda 15. Ganga and Vidyadhari – 44 Ganga-front towns.</p>
SJDA and Siliguri Municipal Corporation	<p>1. Action plans for management of municipal wastewater discharge for Siliguri Municipal Corporation including treatment and disposal septage generated within the corporation area. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis.</p> <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p> <p>2. Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes the following rivers and towns. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis.</p>
Department of Information Technology and Electronics	<p>1. Preparation of action points for e-waste management. 2. Quantification and characterization of waste, existing infrastructure, detailed gap analysis and management action plan.</p>
WBPCB	<p>For all the 17 river stretches under consideration.</p> <ol style="list-style-type: none"> 1. Inventorization of water polluting industries 2. Categories of industry and effluent quality 3. Treatment of effluents, compliance with standards and mode of disposal of effluents 4. Establishment of regulatory regime.
WBSWDCL and MSME	<p>River specific action plans on wastewater management and solid waste management for all the industrial clusters.</p>
Panchayat & Rural Development Department	<ol style="list-style-type: none"> 1. River specific action plans for black and grey liquor management, municipal solid waste management and surface water preservation programmes (e.g., Rainwater harvesting). 2. To coordinate with Forest Department for providing lands for tree plantation and development of biodiversity parks. 3. Watershed management programmes, IHHL activities etc. <p>Special emphasis is required from the PNRD department for the cases of the following rivers as no urban wastewater reaches the rivers. The blocks referred are to be considered.</p> <ul style="list-style-type: none"> • Mayurakshi

DEPARTMENT WISE TASKING DETAILS ON REJUVENATION OF POLLUTED RIVERS :::: 08/07/2019

	<ul style="list-style-type: none"> • Silabati • Teesta • Mathabhanga
Water Resources Investigation & Development Department	<p>River specific action plan on the following.</p> <ul style="list-style-type: none"> (i) Periodic assessment of groundwater resources and regulation of ground water extraction by industries particularly in over exploited and critical zones/blocks. (ii) Ground water re-charging /rain water harvesting (iii) Periodic ground water quality assessment and remedial actions in case of contaminated groundwater tube wells/bore wells or hand pumps. (iv) Assessment of the need for regulating use of ground water for irrigation purposes.
Irrigation Department	<p>River specific action plan on the following.</p> <ol style="list-style-type: none"> 1. Flood plain zone management 2. Good irrigation practices.

Departments / Agencies	Actions to be taken	
KMDA	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for rivers Ganga, Vidyadhari, Churni, Damodar and Barakar. 2. Finalize the GIS-based interactive map preparation by DST. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>	<p>Smt. AntaraAcharya, IAS Chief Executive Officer Kolkata Metropolitan Development Authority UnnayanBhavan CJ-164, 2nd Avenue, DJ Block, Sector 2, Salt Lake City, Kolkata – 700091.</p>
Asansol Durgapur Development Authority	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for Damodar and Barakar. Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns. 2. Action plan for solid waste management. 3. Action plan for development of greeneries. 4. Action plans for Ground water re-charging /rain water 	<p>Sri S. Arun Prasad, IAS Chief Executive Officer Asansol Durgapur Development Authority 2nd Floor, Administrative Building, 1st Street, City Center, Durgapur, West Bengal 713216</p>

	<p>harvesting.</p> <p>5. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes.</p> <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure 	
Asansol Municipal Corporation	<p>1. Action plans for management of municipal wastewater discharge for Damodar and Barakar.</p> <p>Town wise Gap analysis for wastewater treatment</p> <p>Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p> <p>2. Action plan for solid waste management.</p> <p>3. Action plan for development of greeneries.</p> <p>4. Action plans for Ground water re-charging /rain water harvesting.</p> <p>5. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes.</p> <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing 	<p><u>ShriKhursheed Ali Quadri - IAS</u> Commissioner Asansol Municipal Corporation Dr. G.R. MitraSarani, Asansol - 713301, PaschimBurdwan, West Bengal</p>

	wastewater treatment infrastructure	
Durgapur Municipal Corporation	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for Damodar and Barakar. <p>Town wise Gap analysis for wastewater treatment</p> <p>Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p> <ol style="list-style-type: none"> 2. Action plan for solid waste management. 3. Action plan for development of greeneries. 4. Action plans for Ground water re-charging /rain water harvesting. 5. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure 	<p>ShriPushpenduMitra Commissioner Durgapur Municipal Corporation Grand Trunk Rd, Near Bus Stand, City Center, Durgapur, West Bengal 713216</p>
KMC	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for rivers Ganga and Vidyadhari. 2. Action plan for solid waste management for KMC area. 3. Action plan for development of greeneries in KMC area. 4. Action plans for Ground water re-charging /rain water harvesting in KMC area. 	<p>Shri Khalil Ahamed, IAS Commissioner Kolkata Municipal Corporation 5, SN Banerjee Road, Esplanade, Kolkata, West Bengal 700013</p>

	<p>5. Action plan for management of plastic waste, Hazardous, Bio-medical and Electrical and Electronic wastes in KMC area.</p> <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment</p> <p>Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>	
PHED	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for river Dwarka. 2. Action Plans of distribution of treated river water to habitations traditionally use ground water. This has to be river specific for all the 17 polluted river stretches for which such plans are available with PHED. 3. Action plans for replacement of withdrawal of groundwater in Arsenic affected blocks of the State. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation . • Town wise existing wastewater treatment infrastructure 	<p>ShriManoj Pant, IAS Additional Chief Secretary, Public Health Engineering Department 7th floor, New Secretariat Building 1.K.S.Roy Road, Pin – 700001</p>

	Town wise Gap analysis for wastewater treatment	
MED	<p>Action plans for management of municipal wastewater discharge for the following rivers and towns. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis.</p> <ol style="list-style-type: none"> 1. 1. Jalangi – Krishnanagar 2. 2. Kansi - Medinipur 3. 3. Dwarkeswar - Bankura 4. 4. Kaljani - Alipurduar 5. 5. Karola - Jalpaiguri 6. 6. Rupnarayan – Tamluk&Kolaghat <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p>	<p>Shri K. Das Secretary, Municipal Engineering Directorate South Block, BikashBhavan Salt Lake, Kolkata 700091</p>
SUDA	<p>Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastethe following rivers and towns. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap</p>	<p>Mrs. Debarati Dutta Director, State Urban Development Agency HB-305, AB Rd, HC Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106</p>

	<p>analysis.</p> <ol style="list-style-type: none"> 1. Jalangi – Krishnanagar 2. Kansi - Medinipur 3. Dwarkeswar - Bankura 4. Kaljani - Alipurduar 5. Karola - Jalpaiguri 6. Rupnarayan – Tamluk&Kolaghat 7. Mayurakshi - Suri 8. Silabati - Ghatal 9. Teesta - Jalpaiguri 10. Churni – Ranaghat 11. Damodar – Asansol and Durgapur Municipal Corporation 12. Barakar – Asansol Municipal Corporation 13. Dwarka 14. Mahananda 15. Ganga and Vidyadhari – 44 Ganga-front towns. 	
SJDA	<ol style="list-style-type: none"> 1. Action plans for management of municipal wastewater discharge for Siliguri Municipal Corporation including treatment and disposal septage generated within the corporation area. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis. <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for</p>	<p>Shri S. Ponnambalam, IAS Chief Executive Officer SiliguriJalpaiguri Development Authority TenzingNorgey Road, PradhannagarSiliguri, Dist. Darjeeling, West Bengal - 734 003</p>

	<p>wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns.</p> <p>2. Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes the following rivers and towns.</p>	
<p>Siliguri Municipal Corporation</p>	<p>1. Action plans for management of municipal wastewater discharge for Siliguri Municipal Corporation including treatment and disposal septage generated within the corporation area. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis.</p> <p>Information to be incorporated:</p> <ul style="list-style-type: none"> • Town wise consumption – Surface Water • Town wise consumption – Ground Water • Town wise sewage generation • Town wise existing wastewater treatment infrastructure <p>Town wise Gap analysis for wastewater treatment Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is</p>	<p>ShriSonamBhutia Siliguri Municipal Corporation Baghajatin Road, Siliguri Municipal Corporation, District: Darjeeling, Siliguri - 734001</p>

	possible for these towns. 3. Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes the following rivers and towns.	
Department of Information Technology and Electronics	1. Preparation of action points for e-waste management. 2. Quantification and characterization of waste, existing infrastructure, detailed gap analysis and management action plan.	Sri Debashis Sen, I.A.S Additional Chief Secretary Department of Information Technology and Electronics "Monibhandar", 6th Floor, Weber Bhavan Complex, Block – EP & GP, Sector- V, Saltlake, Kolkata - 700091
WBPCB	For all the 17 river stretches under consideration. 1. Inventorization of water polluting industries 2. Categories of industry and effluent quality 3. Treatment of effluents, compliance with standards and mode of disposal of effluents 4. Establishment of regulatory regime.	
WBSIDCL	River specific action plans on wastewater management and solid waste management for all the industrial clusters.	Sri Debiprasad Karanam, IAS, Managing Director THE WEST BENGAL SMALL INDUSTRIES DEVELOPMENT CORPORATION LTD 31, Black Burn Lane, 4th Floor, Shilpa Bhavan, Kolkata-700012.
MSME	River specific action plans on wastewater management and solid waste management for all the industrial clusters.	Shri Alapan Bandyopadhyay, IAS Additional Chief Secretary Department of Micro, Small and Medium Enterprises and Textiles Hemanta Bhawan, 12th B. B. D. Bag, Kolkata – 1
Panchayat & Rural Development Department	1. River specific action plans for black and grey liquor management, municipal solid waste management and surface water preservation programmes (e.g., Rainwater harvesting). 2. To coordinate with Forest Department for providing lands for tree plantation and	Sri M.V. Rao, IAS Joint Administrative Buildings 7 th Floor, Block-HC, Wing-B Salt Lake City, Sector – III Kolkata - 700106

	<p>development of biodiversity parks.</p> <p>3. Watershed management programmes, IHHL activities etc.</p> <p>Special emphasis is required from the PNRD department for the cases of the following rivers as no urban wastewater reaches the rivers. The blocks referred for the following rivers are to be considered.</p> <ul style="list-style-type: none"> • Mayurakshi • Silabati • Teesta • Mathabhanga 	
Water Resources Investigation & Development Department	<p>River specific action plan on the following.</p> <p>(i) Periodic assessment of groundwater resources and regulation of ground water extraction by industries particularly in over exploited and critical zones/blocks.</p> <p>(ii) Ground water re-charging /rain water harvesting</p> <p>(iii) Periodic ground water quality assessment and remedial actions in case of contaminated groundwater tube wells/bore wells or hand pumps.</p> <p>(iv) Assessment of the need for regulating use of ground water for irrigation purposes.</p>	<p>ShriHirdyesh Mohan, IAS Water Resources Investigation & Development Department 11A, Block-A, KhadyaBhaban, MirjaGhalib Street, 5th Floor, Kolkata - 700087</p>
Irrigation Department	<p>River specific action plan on the following.</p> <ol style="list-style-type: none"> 1. Flood plain zone management 2. Good irrigation practices. 	<p>Shri Naveen Prakash, IAS Additional Chief Secretary Irrigation Department JALASAMPAD BHAWAN, 1st Floor, DF Block, Sector 1, Bidhannagar, Kolkata, West Bengal 700091</p>

UD/CC/2017/05013

Pr. Secy/UD&MA
8/5/19

Minutes of the 3rd River Rejuvenation Committee (RRC) meeting in connection with Preparation of Action Plan for Polluted River Stretches Priority - I,II,III,IV and V in connection with the orders of NGT O.A. 673/2017

Meeting held on: 30th April, 2019 at 1500 Hrs.

Venue: Conference Hall of Environment Department, Govt. of West Bengal

The meeting was chaired by Shri Indevar Pandey, Addl. Chief Secretary, Environment Department and list of attendees enclosed.

Chairman welcomed all the participants to the meeting and briefed about the importance of RRC & salient features of recent NGT orders.

Convener-RRC informed regarding the appearance of the Chief Secretary & other State Govt officials to NGT New Delhi bench on 02 April 2019 and explained all relevant sections and clauses of the latest order of the NGT including the punitive measures mentioned and the financial penalties imposed on different States for non submission or incomplete submission of action plans for polluted river stretches. He further mentioned that the two orders of the NGT, dated 02nd April 2019 of Original Application No. 606/2018 and dated 08th April 2019 of Original Application No. 673/2017 are required to be read, understood and implemented by all departments. Chairman categorically mentioned that although the Action Plans submitted by the West Bengal for 17 (Seventeen) river stretches were mentioned to have been accepted by the CPCB task force, all will depend on the execution of the plans in a time bound manner.

'NGT is now emphasizing on the gap analysis for different aspect of pollution, implementation time lines, budgetary estimation and sanction by the competent authority in respect of the plans and fund allocation.

Dr. S. Mitra
Pl. go through. Then
we will discuss reg.
our action points.
8.5.19

~~JS(SW)~~ JS(SD)/JS(SW)
8/5/2019

Detailed presentations on the action points to be taken up by different departments were made by the Convener followed by elaborate discussions and queries of members of the committee.

Following decisions were taken.

1. All departments will prepare their individual proposals and action points keeping in mind the following pollution control strategy directed by the Hon'ble National Green Tribunal. Relevant point(s) shall be picked up by the line departments and actions should be initiated accordingly. All departments shall set the time lines for action plan submitted by them for each of Seventeen River stretches and report back to the RRC regarding their action taken in due time mentioned below.
2. Departmental responsibilities for preparation of the projects with strict timeliness to be taken were discussed and the responsibility distribution is provided below against each action point as described by the Hon'ble NGT.
3. Department of S&T GoWB will be approached for getting the GIS maps for identification, mapping of all drains with the infrastructure in place for abatement of pollution & proposed action plan infrastructure. The GIS map will also have the details of all monitoring stations with interactive interface for immediate identification & alert if any of the water indicator is breached. I & W Department representative also informed that they have the GIS maps of majority of the river stretches. These maps shall also be collected. One cell in the WBPCB may be opened to work on the GIS based mapping & planning.

<i>Sl.</i>	<i>Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018</i>	<i>Actions to be taken</i>
1	Identification of polluting sources including drains contributing to river pollution, functioning status of STPs/ETPs/CETP and solid waste management and processing facilities;	<ul style="list-style-type: none"> • Drains to be identified by ULB (many already reported by SUDA), BOD load will be done by WBPCB and Flow data to be prepared by Irrigation Department. MED to coordinate the activities. MED may consult SUDA as and when required. • No drains discharge wastewater from the following towns to the rivers. <ul style="list-style-type: none"> ➤ SURI to Mayurakshi ➤ Ghatal to Silabati ➤ Jalpaiguri to Teesta

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
		Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns. A pilot project is being proposed to be undertaken in Kalyani STP set up under NMCG prog.
2	Map showing Polluted River, its tributaries, drains, major towns, industrial estates, location of STPs/CETPs	DST to be discussed. Help of I&W be sought as they have the GIS maps of major river stretches & khals. WBPCB to prepare the TOR for the required development.
3	Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis;	Department of UDMA will do the needful. Information to be obtained: <ol style="list-style-type: none"> 1. Town wise consumption - Surface Water 2. Town wise consumption - Ground Water 3. Town wise sewage generation 4. Town wise existing wastewater treatment infrastructure 5. Town wise Gap analysis for wastewater treatment
4	Detailed gap analysis w.r.t industrial water consumption, wastewater generation, existing infrastructure for treatment of industrial effluent (both captive ETPs/CETPs and their performance assessment), gap analysis w.r.to the industrial effluent management in the catchment area;	WBPCB to provide input in this respect and prepare strategy / action plan for industrial wastewater management and disposal. Industry and MSME Department to provide support and ensure that the industrial contributions are taken into account
5	Quantification and characterization of waste (such as solid waste, industrial hazardous waste, bio-medical waste, E-Waste), STP sludge management, existing infrastructure and detailed gap analysis;	<ul style="list-style-type: none"> • SUDA & KMDA to coordinate with WBPCB for SWM. • Industry and MSME Department to provide support and ensure that the industrial contributions are taken into account. • Dept. of Information Technology and WEBEL to prepare the action points for e-waste management.
6	Latest Water quality of polluted river, its tributaries, drains with flow details and ground water quality in the	Submitted by WBPCB (Para-2 of Action Plan) Dynamical reporting available at http://emis.wbpcb.gov.in/waterquality/JSP/wq/pol

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
	catchment of polluted river:	riverstrtch.jsp
7	Aspects such as ground water extraction, adopting good irrigation practices, protection and management of Flood Plain Zones (FPZ), rain water harvesting, ground water charging, maintaining minimum environmental flow of river (by having watershed management provisions), plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment., proper interception and diversion of sewage carrying drains to Sewage Treatment Plant (STP), upgradation of existing sewage treatment plants if not in a position to comply with effluent discharge norms, emphasis on utilization of treated sewage so as to minimize extraction of ground or surface water be included,	<ol style="list-style-type: none"> 1. Ground water extraction, recharging to be taken up by WRIDD. 2. Good irrigation practice & Flood plain zone management by Irrigation Dept. 3. Plantation of SUNDARI & NIPA on the banks of the river and the canals by Forest Department in consultation with Irrigation Dept. for availability of Land. 4. Development of Biodiversity Park by Biodiversity Board (in consultation with Irrigation Department & District Administration for land availability) <p>NOTE: As in the following cases no urban wastewater reaches the respective rivers, (1) Floodplain management, (2) Rural Sanitation Programme, (3) Watershed management programmes & Rainwater harvesting</p>
8	Speedy, definite or specific timelines for execution of action plans and the estimated budget including the monitoring agency	<p>Proposing Department will be the monitoring agency.</p> <p>Reports are to be submitted on following sections:</p> <ol style="list-style-type: none"> 1. Action Plan 2. Break-up (if any) of timeline of implementation. 3. Budgetary Estimate <p>Timelines described in para (x) below.</p>
9	Achievable goals with specific timelines for restoration of water quality of polluted rivers	<p>The target for water quality for the stretch is for Outdoor bathing (Organised). Parametrically, Targets for all rivers (excepting Vidyadhari) are:</p> <ul style="list-style-type: none"> • Total Coliforms (MPN/100ml) 500 or less • pH between 6.5 and 8.5 • Dissolved Oxygen 5mg/l or more • Biochemical Oxygen Demand 5 days 20C 3mg/l or less <p>For Vidyadhari, the proposed target is the following:</p>

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
		<ul style="list-style-type: none"> • pH between 6.5 and 8.5 • Dissolved Oxygen 4mg/l or more • Free Ammonia (as N) 1.2 mg/L or less
10	Organisation-wise action plans with timelines and the estimated budget for implementation of action plans.	<p>Organization wise action plan with time line for the following stages are to be submitted with following timeline. Once the MCC is over.</p> <ol style="list-style-type: none"> 1. Actions to be taken with Budget - within 7 days 2. Budgetary Proposal and Departmental approval - within 15 days 3. Financial approval by line Department / Finance Department - within 30 days. 4. Tendering initiation - within 40 days. 5. Issuance of work orders - within 70 days. <p>For Departments not requiring the tendering procedures, work should be initiated immediately after financial approval.</p> <p>Each Department shall submit progress report within 5th day of every month.</p>

4. Departmental meetings will be held on following dates for further discussion in details for preparation of the river wise action points. Respective departments are to send their representatives for the meetings.

8th May 2019	1100 to 1300 hrs	at	KMDA 3rd Conference Hall
			<ul style="list-style-type: none"> • Panchayet & Rural Development Department • Forest Department • Biodiversity Board

8 th May 2019	1400 to 1600 hrs	at	KMDA 3rd Conference Hall
			<ul style="list-style-type: none"> • Kolkata Municipal Corporation • Howrah Municipal Corporation • Siliguri Municipal Corporation • Siliguri Jalpaiguri Development Authority • Asansol Durgapur Development Authority

10 th May 2019	1100 to 1300 hrs at KMDA 3rd Conference Hall
	• Industry Department
	• MSME Department
	• Information Technology & Electronics Department

14 th May 2019	1100 to 1300 hrs at KMDA 3rd Conference Hall
	• Irrigation and waterways department
	• Municipal Engineering Directorate
	• State Urban Development Authority

14 th May 2019	1400 to 1600 hrs at KMDA 3rd Conference Hall
	• Water Resources Investigation & Development Department
	• Public Health Engineering Department
	• Agriculture Department

ACS (Environment) and the Chairman of the meeting summarized the decisions and the meeting was ended with thanks to and from the chair.



Shri Indevar Pandey
Addl. Chief Secretary
Dept. of Environment, GoWB

- ① Screen installation - Weekly.
- ② Fortnightly report of Model Cities.

1918.07.2019 12:00 noon
Nodal officer - Model
Cities
Haldia -
PS to Pr. Secretary

Adoption of work programme	
Countdown starts from the date of meeting with the departments separately	
Item of action	Timeline
1. Actions to be taken	7 days
2. Budgetary proposal and Departmental approval	15 days
3. Financial approval by line department / finance Department	30 days
4. Tendering initiation	40 days
Issuance of work order	70 days
For Departments not requiring the tendering procedures, work should be initiated immediately after financial approval	
Each Department shall submit progress report within 5 th day of every month.	

Reporting Proforma	
Name of River	
Description of Works	
Budget Estimate	
Date of commencement	
Target date of completion	
Projected Deliverables	
Officer in Charge for execution	
Officer in Charge for Monitoring	
Other Relevant Information	

STATUS REPORT AND PROBABILISTIC ACTION PLAN FOR THE IDENTIFIED URBAN LOCAL BODIES (ULBs) FOR 17 POLLUTED RIVER STRETCHES PRIORITY - I, II, III, IV & V, TO BE SUBMITTED BEFORE THE RIVER REJUVENATION COMMITTEE (RRC), IN CONNECTION WITH THE ORDER OF NGT O.A. 673/2017 AND O.A. 727/2018

PRIORITY - I

1. NAME OF THE RIVER: VIDYADHARI
 RIVER STRETCH: HAROA BRIDGE TO MALANCHA BURNING GHAT
 Towns/Urban agglomerates identified by WBPCB: NIL

PRIORITY - II

2. NAME OF THE RIVER: MAHANANDA
 RIVER STRETCH: SILIGURI TO BINAGURI
 Towns/Urban agglomerates identified by WBPCB: SILIGURI MUNICIPAL CORPORATION

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	513264	
2.	No. of wards	47	
3.	Municipal Solid Waste generated per day	300 MT(approx.)	
4.	Number and location of drains discharging untreated municipal waste of Siliguri Municipal Corporation into the river Mahananda	River Mahananda is flowing through ward nos. - 42, 43, 44, 10, 46, 45, 2, 3, 1, 5, 31 & 32 in Siliguri MC jurisdiction. Detailed report is available with SJDA.	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CEFP (Common Effluent Treatment Plant), if any	STPs are under supervision of SJDA and are not functioning; a DPR will be prepared by SJDA/Siliguri MC for restoration of such treatment facilities at once and also the sewerage system within the city.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.	River Mahananda is cleaned regularly by Siliguri MC along with CRPF jointly under SBM. A number of public toilets have also been constructed on the river bank of river Mahananda to prevent open defecation in this Mission.	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	<p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>a) 300 MT (approx.)</p> <p>b) -</p> <p>c) -</p> <p>d) -</p> <p>e) A Manure Composting Plant was setup at 2007, with Hindusthan Joibo Rosayan Company in PPP mode, by joint venture. The manure was sold in several tea gardens. But, the company was not agreed to continue this project from 2012 due to some uncanny reason. Since then Siliguri MC have been continuing this project and the manure is being sold to various markets. A mechanical composter will be setup very shortly.</p> <p>Besides, UD&MA Dept. had provided 3 nos. 14m³ movable compactor, 1 no. Stationary Compactor etc., under Mission Nirmal Bangla (Urban) to strengthen the waste collection system in addition to existing facilities available within the Corporation area.</p> <p>f) -</p> <p>g) Yes; An integrated SWM project with processing facility of Waste to Compost, i.e. Compost Plant is prepared.</p> <p>The project may be implemented by 3 years from sanctioning of the project</p>	
7.	Trade and sewage generated in the catchment area of polluted river stretch	Trade waste collected and disposed off regularly.	
8.	Plantation on both sides of the polluted river	Riverside beautification has been done at ward nos. 46, 45, 10 & 31.	
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>	Children Parks at the river bank of Mahananda already exist, and some of the parks are being implemented under AMRUT.	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
10.	Names of the ghats, specifying ward no., on river Mahananda within the municipal boundary.		

PRIORITY - III

3. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates
identified by WBPCB:

CHURNI
SANTIPUR TOWN TO MAJHADIA
RANAGHAT MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
1.	Population	75344	
2.	No. of wards	20	
3.	Municipal Solid Waste generated per day	28.18 MT(approx.)	
4.	Number and location of drains discharging untreated municipal waste of Ranaghat Municipality into the river Churni	<ol style="list-style-type: none"> 1. Murarinagar under Nokari Panchayet 2. Joygopalpur in ward no. 19 3. Millpara North in ward no. 19 4. GNPC (side of fire station) in ward no. 20 5. Talpukurpara in ward no. 20 6. Kheyaghat Chitannya Mandir in ward no.1 7. Radharani in ward no. 2 8. Nadia Samaj Pally in ward no. 4 9. Chhotobazar in ward no. 7 10. Vhuripara (Anandalok) in ward no.10 11. Thanapara - I in ward no. 10 12. Thanapara - II in ward no. 10 13. Sreenathpur in ward no. 10 	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	<p>A DPR has been prepared by MED, for Development of Interception & Diversion (I&D) Network for existing drain falling in river Churni including Sewage Treatment Plant at Ranaghat with 15 yrs. Of O&M. Administrative Approval received vide no. 2897-UD/P/M/B/2F-116/2018 dated 25.09.2018;</p> <p>Executing agency - KMDA</p> <ol style="list-style-type: none"> 1. 1st Call was not matured. 2. It was suggested to convert the 3rd High Cost Treatment Plant to Low Cost Treatment Plant, like the other two. Hence the overall cost of the project got reduced. The revised DPR will be send to the Department for necessary administrative approval and sanction. 3. May be completed by May 2022. 	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>a) 28.18 MT (approx.)</p> <p>b) Wet: 20% & Dry: 80%</p> <p>c) 100%</p> <p>d) Hand cart and Tractor</p> <p>e) An integrated SWM project with processing facility of Waste to Energy, i.e. Bio-Gas Plant is under construction.</p> <p>f) Anulia Trenching Ground</p> <p>g) Yes; sanctioned by the State. Work is in full swing.</p>	<p>Though an integrated SWM project with processing facility of Waste to Energy, i.e. Bio-Gas Plant had been sanctioned and initiated under Mission Nirmal Bangla (Urban) from the state budgetary allocation, it is now held up for further evaluation of the project sustainability.</p> <p>Project will be implemented within 2 years of go ahead Order.</p> <p>Procurement of bins, auto-tippers, back-hoe loaders etc. are done. Besides, UD&MA Dept. had provided 1 no. 14m³ movable compactor, 1 no. 10m³ hydraulic dumper truck and 1 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	The polluted stretch of river Churni does not fall under this municipal area.	
8.	Plantation on both sides of the polluted river	Plantation done at back side of Happy club Ground in W. No. 2 and Tahanpara near OHR at Zone B in W. No. 10.	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	Two parks have been constructed: 1) Beside Churni river at back side of Happy club Ground in Ward No. 2 and 2) Tahanpara near OHR at Zone B in Ward No. 10.	
10.	Names of the ghats, specifying ward no., on river Churni within the municipal boundary.	1. Chitanya Ghat (Ward - 1) 2. Barabazar Ghat (ward - 2) 3. Radharani Ghat (Ward - 4) 4. Chhotobazar Ghat (Ward - 7) 5. Anandamoyee Ghat (Ward - 10) 6. Thanapara Ghat (Ward - 10)	

PRIORITY - III

4. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates identified by WBPCB:

DWARKA
TARAPITH TO SADHAK BANDEV GHAT

NIL

PRIORITY - III

5. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates identified by WBPCB:

GANGA
TRIBENI TO DIAMOND HARBOUR

- i) Baidyabati Municipality
- ii) Bansberia Municipality
- iii) Baranagar Municipality
- iv) Barrackpore Municipality
- v) Bhadreswar Municipality
- vi) Bhatpara Municipality
- vii) Budge Budge Municipality
- viii) Chakdaha Municipality
- ix) Champdany Municipality
- x) Chandernagore MC
- xi) Diamond Harbour Municipality
- xii) Garulia Municipality
- xiii) Gayeshpur Municipality
- xiv) Halisahar Municipality
- xv) Howrah MC
- xvi) Hooghly-Chinsurah Municipality
- xvii) Kalyani Municipality
- xviii) Kamarhati Municipality

- xix) Kanchrapara Municipality
- xx) Katwa Municipality
- xxi) Khardah Municipality
- xxii) Kolkata MC
- xxiii) Konnagar Municipality
- xxiv) Krishnanagar Municipality
- xxv) Maheshtala Municipality
- xxvi) Nabadwip Municipality
- xxvii) Naihati Municipality
- xxviii) North Barrackpore Municipality
- xxix) Panihati Municipality
- xxx) Pujali Municipality
- xxxi) Rishra Municipality
- xxxii) Santipur Municipality
- xxxiii) Serampore Municipality
- xxxiv) Titagarh Municipality
- xxxv) Uluberia Municipality
- xxxvi) Uttarpara-Kotrung Municipality

AS PROPOSED, THE DETAILED REPORT WOULD HAVE TO BE SUBMITTED BY WBPCB AND KMDA.

PRIORITY - IV

6. NAME OF THE RIVER: DAMODAR
 RIVER STRETCH: DURGACHAKM TO DISHERGARH
 Towns/Urban agglomerates identified by WBPCB: A) ASANSOL MUNICIPAL CORPORATION
 B) DURGAPUR MUNICIPAL CORPORATION

AS PROPOSED, THE DETAILED REPORT WOULD HAVE TO BE SUBMITTED BY WBPCB AND ADDA.

PRIORITY - IV

7. NAME OF THE RIVER: JALANGI
 RIVER STRETCH: LAL DIGHI TO KRISHNAGAR
 Towns/Urban agglomerates identified by WBPCB: KRISHNANAGAR MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
1.	Population	153062	
2.	No. of wards	24	
3.	Municipal Solid Waste generated per day	125 MT to 130 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Krishnanagar Municipality into the river Jalangi	1. Halder Para TD Banerjee lane 2. Kumar paraghat lane 3. Surkikal Ghat (LM Ghosh Street) 4. Ahibhusan Halder Lane 5. Amar bharati (Kalupara) 6. Momin Park 7. Talikhola 8. Sashan Kali bari	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	An action plan was submitted to Project Director, SPMG, WB with a copy to the Mission Director, NMCG, New Delhi in April 2015 At present there is no STP.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry & wet waste percentage)	a) 125 MT to 130 MT (approx.) b) Wet: 62.3% & Dry: 37.70%	An integrated Solid Waste Management project with Bio-remediation facility comprising approx. 100TPD is in operation by M/s. RFS Fire Safety Pvt. Ltd. in

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
	<p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>c) 85%</p> <p>d) Tri-cycle van, Tractor, Refuse container, Compactor</p> <p>e) An integrated SWM project with processing facility of Waste to Energy, i.e. Bio-Gas Plant is under construction.</p> <p>f) Godadanga (Municipal Waste Dumping Ground), Dr. Sachin Sen Road, Krishnanagar. It is situated at a distance of min. 6 Km (approx.) from Jalangi river.</p> <p>g) Yes; it was sanctioned in the 1st SHPC, on 5th January 2017. Construction of processing facility of Waste to Energy, i.e. Bio-Gas Plant is on progress.</p>	<p>collaboration with the Chairman, Krishnanagar Municipality.</p> <p>Besides, UD&MA Dept. had provided 2 nos. 14m³ movable compactor, 1 no. 10m³ hydraulic dumper truck and 2 nos. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	Does not arise as such	
8.	Plantation on both sides of the polluted river	Yes; Municipal area side is fully planted but the other side of river Jalangi is under Panchayat.	
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>	<p>Yes;</p> <p>A proposal was prepared and sanctioned by the State Mission Director, AMRUT.</p> <p>Work is in progress.</p>	
10.	Names of the ghats, specifying ward no., on river Jalangi within the municipal boundary.	<p>A) Peyadapara Ghat (Ward - 1)</p> <p>B) Bkshipara Ghat (Ward - 1)</p> <p>C) Daspara Ghat (Ward - 21)</p> <p>D) Surkikal Ghat (Ward - 21)</p> <p>E) Kaler Ghat (Ward - 21)</p> <p>F) Tarun Sangha Ghat (Ward - 1)</p> <p>G) Kumarpara Ghat (Ward - 1)</p> <p>H) Halderpara Ghat (Ward - 1)</p> <p>I) Sankrapara Ghat (Ward -1)</p> <p>J) Jagatbandhu Ghat (Ward - 1)</p> <p>K) BalirGhat (Ward - 21)</p>	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
		L) Charaltala Ghat (Ward - 20) M) Kalupara Ghat (Ward - 21) N) Chutorpara Ghat (Ward - 21) O) Kadamtala Ghat (Ward - 22) P) Kadamtala Ghat (Ferrighat) (Ward - 22) Q) Sashan Kalibari Ghat (Ward - 24) R) Shib Mandir Ghat (Sastitala Kumar Para) (Ward - 21)	

PRIORITY - IV

8. NAME OF THE RIVER: **KANSI**
 RIVER STRETCH: **MIDNAPUR TO RAMNAGAR**
 Towns/Urban agglomerates identified by WBPCB: **MIDNAPUR MUNICIPALITY**

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	169127 (as per Census 2011)	
2.	No. of wards	25	
3.	Municipal Solid Waste generated per day	8.5 MT	
4.	Number and location of drains discharging untreated municipal waste of Midnapur Municipality into the river Kansai	1. Dwaribandh Canal from Tantigeria Rly. Crossing to Gandighat, - Sedimentation tank will be installed near the final outlet towards Kansai River. Proposal will be prepared shortly.	Will be implemented by MEDte.
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Kansai, will be prepared shortly. Expected time of completion of the preparation of the Project Report: May be obtained from MEDte.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry & wet waste percentage) c) Percentage of door to door Collection of Waste d) Mode of transportation of MSW	a) 8.5 MT (approx.) b) Organic: 62% & Inorganic: 38% c) 60% d) By manual collection and municipal vehicles.	A project report for an integrated Solid Waste Management project had been prepared and submitted by the MEDte. for which the administrative approval is yet pending. Besides, UD&MA Dept. had provided 2 nos. 14m ³ movable

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	<p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>h) Whether any DPR regarding SWM prepared and submitted</p>	<p>e) Not available. A project report had been prepared and submitted by MEDte. Approval of the same is awaited.</p> <p>f) Own Municipal Trenching Ground (6.38 acre) at Dharma, Midnapore.</p> <p>h) Prepared and submitted by MEDte. on behalf of this ULB. Approval of the Project is awaited.</p>	<p>compactor, 1 no. 10m³ hydraulic dumper truck and 2 nos. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	Trade waste collected and disposed off by municipal staff to municipal open trenching ground.	
8.	Plantation on both sides of the polluted river	Most of the river side has been planted and plantation being done at the time of "Bana Mohatsav" every year.	
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>	<p>Yes; One park near Gandhi Ghat, Ward No. -17, is in progress under AMRUT mission.</p> <p>Some existing bio-diversity parks, beside the river</p> <p>Kansai:</p> <ol style="list-style-type: none"> 1. Amtala Ghat (Shradanjali Park) 2. DAV Ghat (Vidyasagar Park under maintenance of Forest Department) 	
10.	Names of the ghats, specifying ward no., on river Kansai within the municipal boundary.	<ol style="list-style-type: none"> 1. Gandhi Ghat, Ward - 17, 2. Amtala Ghat, Ward - 20, 3. DAV Ghat, Ward - 23. 	

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PRIORITY - IV

9. NAME OF THE RIVER: MATHABHANGA
RIVER STRETCH: MADHUPUR TO GOBINDAPUR
Towns/Urban agglomerates identified by WBPCB: NIL

AS THE RIVER MATHABHANGA MAY BE TREATED AS THE UPSTREAM OF RIVER CHURNI, IT IS PROPOSED BY THE WBPCB THAT THE DETAILED REPORT WOULD BE SIMILAR TO THAT OF THE RIVER CHURNI.

PRIORITY - V

10. NAME OF THE RIVER: BARAKAR
RIVER STRETCH: KULTI TO ASANSOL
Towns/Urban agglomerates identified by WBPCB: ASANSOL MUNICIPAL CORPORATION

AS PROPOSED, THE DETAILED REPORT WOULD HAVE TO BE SUBMITTED BY WBPCB AND ADDA.

PRIORITY - V

11. NAME OF THE RIVER: DWARAKESWAR
RIVER STRETCH: BANKURA TO KUSTIA
Towns/Urban agglomerates identified by WBPCB: BANKURA MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
1.	Population	137386	
2.	No. of wards	24	
3.	Municipal Solid Waste generated per day	65 MT	
4.	Number and location of drains discharging untreated municipal waste of Bankura Municipality into the river Dwarakeshwar and Gandeshwari	<p>➤ Drains discharging into the river Dwarakeshwar</p> <ol style="list-style-type: none">1. Lokepur Ghat, Ward - 132. Raja gram, Ward - 143. Raja gram, Ward - 144. Kankata, Ward - 165. Patpur Power House, Ward - 176. Minapur Sasan, Ward - 177. Patpur Napopara, Ward - 178. Kethardanga Patakola, Ward - 199. Kethardanga Bagdipara, Ward - 1910. Kethardanga Chaitkali Ghat, Ward - 23 <p>➤ Drains discharging into the river Gandeshwari</p> <ol style="list-style-type: none">11. Near Palashtola Mahasasan, Ward - 912. Near Satighat, Ward - 8	

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
		13. Opposite Lakhatora, Ward - 7 14. Opposite Sukantapally Durga Mondap, Ward - 7 15. Opposite Singha Lodge, Ward - 7	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	No such plants are available within this municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the rivers Dwarakeshwar and Gandeshwari , will be prepared shortly. Expected time of completion of the preparation of the Project Report: July, 2019.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry & wet waste percentage) c) Percentage of door to door Collection of Waste d) Mode of transportation of MSW e) Processing facilities if any f) Location of Disposal Ground/Sanitary Landfill if any g) Whether any DPR regarding SWM prepared and submitted	a) 65 MT b) Mixed c) 70% d) Tractor, Tractor, Truck, Compactors e) Municipality is exploring the facilities. f) Keshra Dumping Ground, situated 7 Km away from Municipal Office. g) Yes; An Integrated SWM DPR was prepared and sanctioned in 2nd SHPC on 28th March 2018.	A DPR for Integrated Solid Waste Management was prepared and sanctioned in 2 nd SHPC. The construction of processing facility will commence shortly after verification of its sustainability. The project may be implemented within 2 years from initialisation of the project. Besides, UD&MA Dept. had provided 2 nos. 14m ³ movable compactor, 1 no. 10m ³ hydraulic dumper truck and 2 no. 2.2m ³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
7.	Trade and sewage generated in the catchment area of polluted river stretch	Does not arises	
8.	Plantation on both sides of the polluted river	Required. A plan for plantation near river Dwarakeshwar & Gandeshwari will be made.	MEDte. may prepare a specific plan.
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	No	
10.	Names of the ghats, specifying ward no., on river Gandeshwari and Dwarakeshwar within the municipal boundary.	<ul style="list-style-type: none"> ➤ Ghats beside the river Gandeshwari <ol style="list-style-type: none"> 1. Satighat (Ward - 7 & 8) 2. Pathakpara Pump House ghat (Ward - 8) 3. Mishrapara ghat (Ward - 9) ➤ Ghats beside the river Dwarakeshwar <ol style="list-style-type: none"> 4. Rajgram Pump House ghat (Ward - 14) 5. Rajgram Simuldangaghat (Ward - 14) 6. Lokepur ghat (Ward - 13) 7. Rajgram Kumorpara ghat (Ward - 13) 8. Minapur Sasan ghat (Ward - 17) 9. Patpur Namopara ghat (Ward - 17) 10. Patpur Power Houseghat (Ward - 17) 11. Kethardanga Bagdiparaghat (Ward - 19) 12. Kethardanga Patakolaghat (Ward - 19) 13. Kethardanga Chaitkalighat (Ward - 23) 	

PRIORITY - V

12. NAME OF THE RIVER:

KALJANI

RIVER STRETCH:

BITALA TO ALIPURDUAR

Towns/Urban agglomerates

identified by WBPCB:

ALIPURDUAR MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	65232 (as per Census 2011)	
2.	No. of wards	20	
3.	Municipal Solid Waste generated per day	8 MT to 10 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Alipuduar Municipality into the river Kaljani	<p>All the following points are having sluice gates where water flows in a reverse direction, i.e., from the river towards the city:</p> <ol style="list-style-type: none"> 1. Arabindanagar, Ward No.- 01 2. Near Crematorium, Ward No.-01 3. Near Dima Bridge, Ward No. 01 & 08 border 	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		4. Hatathcolony, Ward No.- 08 5. Bidhanpalli, Ward No.- 09 6. Near Crematorium, Ward No.- 10 7. Uttarpara, Ward No.- 10 8. Near Asutosh Club, Ward No.- 11 9. Palash Bari, Ward No.-11 10. SantidhamAsram, Ward No.- 11 11. Near Babupara Rail Bridge, Ward No.- 12 12. Near BM Club, Ward No.- 18 13. Sanjay Colony, Ward No.- 18	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	- No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Kaljani , will be prepared shortly. Expected time of completion of the preparation of the Project Report: July, 2019. Project may be completed within two years from sanctioning of the project. (Implementing agency: either ULB/MEDte.)	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry & wet waste percentage) c) Percentage of door to door Collection of Waste d) Mode of transportation of MSW e) Processing facilities if any f) Location of Disposal Ground/Sanitary Landfill if any	a) 8 MT (approx.) b) No segregation practice done c) 80% d) By motor vehicles (e.g., tractor - trailer, truck etc.) e) Municipality is exploring the facilities. f) No dumping ground in accordance with solid waste management scheme is available under this municipality. The matter is under process, wastes are disposed off by land filling and turning as far as practicable.	UD&MA Dept. had provided 100nos. 240lits. Community bins, 1 no. 14m ³ movable compactor, 1 no. 10m ³ hydraulic dumper truck and 1 no. 2.2m ³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality. Land for setting up of a scientific SWM project had been identified. DPR will be prepared after finalisation of the land within 3 months from the date of availability

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	g) Whether any DPR regarding SWM prepared and submitted	g) Prepared and submitted by MEDte. on behalf of this ULB.	of the land. Project will be implemented by 3years after sanctioning and approval of the project.
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Kaljani , as mentioned	
8.	Plantation on both sides of the polluted river	Plantation on both side of river Kaljani covering ward no. 8, 9 and 10, had been done.	
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	Yes, Submitted under National Lake Conservation Plan to MoEF during 2013, but not yet approved. No Parks are situated on Flood plains. Parks are situated in town area.	
10.	Names of the ghats, specifying ward no., on river Kaljani within the municipal boundary.	1. Uttarpara, Ward No.- 10, 2. Subhashpalli, Ward No.- 15, 3. Bokribari, Ward No.- 18.	

PRIORITY - V

13. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates identified by WBPCB:

KAROLA
JALPAIGURI TO THAKURER KAMAT
JALPAIGURI MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	107348 (as per Census 2011)	
2.	No. of wards	25	
3.	Municipal Solid Waste generated per day	48.24 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Jalpaiguri Municipality into the river	1) Behind AC College (W/21) - 2nos 2) Beside Muslim Burial Ground (W/22) - 2nos 3) Beside Burning Ghat (W/22) within	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	Karala	Maskalaibari Crematorium Compound 4) North of NSBT (W/25) 5) On Gosala Road (W/25) - 3nos 6) Opposite to Gosala Road(W/01) - 2 nos 7) Behind NBSTC Bus Terminus (W/25) 8) Beside the RCC bridge on Karala near Stadium (W/25) Shantipara 9) Beside Basic Training Institute (W/25) Shantipara 10) Near Beguntary More(W/4) Dinbazar 11) Behind Hospital (W/4) Samaj Para 12) Dhardhara River(W/3) 13) Opposite to Ususi Lodge(W/5) 14) Beside Kala Bhawan(W/3) 15) Near Karala Girls School(W/8) 16) Beside the ghat on River Karala near Karala Girls School (W/8) 17) Behind PWD building(W/3) behind Netaji Sangrahasala 18) Beside RCC bridge on river Karala near Teesta Uddyan (W/8) Behind mahamaya kalimandir 19) Southern end of the town (W/9) Pilkhana	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Karala, will be prepared by MEDte. shortly. Expected time of completion of the preparation of the Project Report: July, 2019. Implementation of the project will require 3 years from the date of sanctioning.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry & wet waste percentage) c) Percentage of door to door Collection of Waste d) Mode of transportation of MSW	a) 48.24 MT (approx.) b) 60% dry and 40% wet waste percentage. c) 80% d) Motorised and non-motorised	An integrated SWM project was sanctioned in the 1 st SHPC, under Swachh Bharat Mission (Urban). The project had been initiated with procurement of bins and other equipments & vehicles. Construction of processing facility is now held up for further evaluation

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
	<p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>e) Municipality is exploring the facilities.</p> <p>f) Balapara Dumping Ground.</p> <p>g) Yes; it was sanctioned in the 1st SHPC, on 5th January 2017. The SWM project with processing facility of Waste to Energy, i.e. Bio-Gas Plant is under construction.</p>	<p>of the project sustainability. It will be expected to be operative within by three years resuming of the project.</p> <p>Executing agency: ULB and MEDte.</p> <p>Besides, UD&MA Dept. had provided 2nos. 14m³ mobile compactors, 1 no. 10m³ hydraulic dumper truck and 2 nos. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Karala, as mentioned	
8.	Plantation on both sides of the polluted river	Plantation and beautification work is being done in ward nos. 22, 25, 01, 04, 02, 03, 05, 08, 09.	May be executed by: either ULB/MEDte.
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>	Throughout both the side of river Karala, park and beautification work is being done in ward nos. 22, 25, 01, 04, 02, 03, 05, 08, 09. 70% work is already completed.	May be executed by: either ULB/MEDte.
10.	Names of the ghats, specifying ward no., on river Karala within the municipal boundary.	<p>1) Maskalaibari Ghat(w/22)</p> <p>2) Biswas Pally Ghat(W/22)</p> <p>3) Biswas Colony Ghat(w/22)</p>	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		4) Netaji Para Ghat (W/25) 5) Dinbazar Ghat(W/04) 6) Samajpara Ghat (W/05) 7) Dhobighat Babupara(W/05) 8) BABupara ghat (W/08) 9) Babupara Subhassetu Ghat(W/08) 10) Kingsaheb Ghat(W/08)	

PRIORITY - V

14. NAME OF THE RIVER: **MAYURAKSHI**
 RIVER STRETCH: **SURI TO DURGAPUR**
 Towns/Urban agglomerates identified by WBPCB: **SURI MUNICIPALITY**

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
1.	Population	67864 (as per Census: 2011) 77000+ (current population) (approx.)	
2.	No. of wards	19	
3.	Municipal Solid Waste generated per day	30 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Suri Municipality into the river Mayurakshi.	No such drains are directly discharging into the main stem of river Mayurakshi . The main drain within the municipal area is discharging its flow in open land/water body in nearby Panchayet area, which is approx. 4 km away from the river Mayurakshi .	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Mayurakshi , from nearby Panchayet area, will be prepared shortly. Expected time of completion for preparation of the Project Report: July, 2019. Project may be implemented by three years from the date of sanctioning.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry &	a) 30 MT (approx.) b) Mixed	UD&MA Dept. had provided 1 no. 14m ³ movable compactor, 1 no. 10m ³ hydraulic dumper truck and 1 no. 2.2m ³ small garbage hydraulic

Sl. No.	Basic information/Points of concern	Present position & future planning	Timeframe
	<p>wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted</p>	<p>c) 100%</p> <p>d) Hand cart and Tractor.</p> <p>e) Municipality is exploring the facilities.</p> <p>f) 8 km away from river bed.</p> <p>g) A DPR for management of Municipal Solid Waste will be prepared within six months, after identification/ finalisation of the disposal ground. Project will be implemented by 3 years from sanction and approval of the same.</p>	<p>tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	The polluted stretch of river Mayurakshi does not fall under this municipal jurisdiction.	
8.	Plantation on both sides of the polluted river	Either side of river Mayurakshi do not fall within its jurisdiction.	
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>		
10.	Names of the ghats, specifying ward no., on river Mayurakshi within the municipal boundary.	Does not arise.	

PRIORITY - V

15. NAME OF THE RIVER:
RIVER STRETCH:
Towns/Urban agglomerates
identified by WBPCB:

RUPNARAYAN
KOLAGHAT TO BENAPUR
TAMRALIPTA MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	65312 (as per Census 2011) 78522 (approx. current population as of 2018)	
2.	No. of wards	20	
3.	Municipal Solid Waste generated per day	22 MT to 24 MT (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Tamralipta Municipality into the river Rupnarayan	The three natural drainage outlets in the Tamralipta town namely : 1. Sankarara Khal; Ward No.: 14,, 18, 15, 13, 17, 7, 11, 10, 9, 8 2. Narayanpur Khal; Ward No.: 19 3. Pairatunga Khal; Ward No.: 1, 5, 6, 2, 4, 10 4. Ward No.: 1, 2, 3, 8, 7, 9 (adjacent canal/sub-urban part of village)	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	- No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs upon drains flowing towards the river Rupnarayan, will be prepared by MEDte. shortly. Expected time of completion of the preparation of the Project Report: July, 2019.	
6.	Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes. a) Waste generation per day b) Characterization of MSW (dry & wet waste percentage) c) Percentage of door to door Collection of Waste d) Mode of transportation of MSW e) Processing facilities if any f) Location of Disposal Ground/Sanitary Landfill if any g) Whether any DPR regarding SWM prepared and submitted	a) 20-22 MT (approx.) b) 100% door to door collection is done. No segregation is practiced. c) 80% d) By motor vehicles (e.g., tractor - trailer, truck etc.) e) Municipality is exploring the facilities. f) Disposal ground is located at Ward No. 18. g) Prepared and submitted by MEDte. on behalf of this ULB.	UD&MA Dept. had provided 1 no. 10m ³ hydraulic dumper truck and 1 no. 2.2m ³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality. Land for setting up of a scientific SWM project had been identified. DPR will be prepared after finalisation of the land within 3 months from the date of availability of the land.

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Rupnarayan , as mentioned	
8.	Plantation on both sides of the polluted river	Plantation on both side of river Rupnarayan , had been done.	
9.	Whether there is any proposal of setting up of any Parks beside the concern river stretch Setting up of biodiversity Parks on flood plains by removing encroachments	Yes, A proposal for constructing amusement park cum resort was sent to the Department for sanctioning under ADP (2019-20).	
10.	Names of the ghats, specifying ward no., on river Rupnarayan within the municipal boundary.	1. Ferry Ghat, Ward No.- 14	

PRIORITY - V

16. NAME OF THE RIVER:

SHILABATI

RIVER STRETCH:

GHATAL TO NISCHINDIPUR

Towns/Urban agglomerates

identified by WBPCB:

GHATAL MUNICIPALITY

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
1.	Population	54591 (as per Census 2011)	
2.	No. of wards	17	
3.	Municipal Solid Waste generated per day	24 MTPD (approx.)	
4.	Number and location of drains discharging untreated municipal waste of Ghatal Municipality into the river Shilabati	No drain outlets are discharging into the river Shilabati .	
5.	Any existing plan for management (e.g. interception of drains and treatment) of municipal waste water Functioning/Status of STPs (Sewerage Treatment Plant)/ETPs (Effluent Treatment Plant)/CETP (Common Effluent Treatment Plant), if any	- No such plants are available within this Municipal area. But, a comprehensive plan for establishing STPs, may be prepared by MEDte. shortly. Expected time of completion of preparation of the Project Report: July, 2019. Implementation of the project will require 3 years from the date of	

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		sanctioning.	
6.	<p>Amount of Municipal Solid Waste generated within the Municipal boundary and the practice of management (collection, segregation, treatment, disposal etc.) of such wastes.</p> <p>a) Waste generation per day</p> <p>b) Characterization of MSW (dry & wet waste percentage)</p> <p>c) Percentage of door to door Collection of Waste</p> <p>d) Mode of transportation of MSW</p> <p>e) Processing facilities if any</p> <p>f) Location of Disposal Ground/Sanitary Landfill if any</p> <p>g) Whether any DPR regarding SWM prepared and submitted.</p>	<p>a) 24 MT (approx.)</p> <p>b) 15% dry and 85% wet waste percentage.</p> <p>c) 35%</p> <p>d) Through tractors, auto-tippers, compactors, tricycle van etc.</p> <p>e) Municipality is exploring the facilities.</p> <p>f) Municipal Dumping Ground – Argora, Ward No.: 2, Ghatal Municipality.</p> <p>g) Yes; not yet sanctioned. Project will be implemented by min. 3 years after sanctioning.</p>	<p>UD&MA Dept. had provided 1no. 14m³ mobile compactors, 1 no. 10m³ hydraulic dumper truck and 1 no. 2.2m³ small garbage hydraulic tipper, under Mission Nirmal Bangla (Urban) to strengthen the waste collection network in addition to existing facilities available within the municipality.</p>
7.	Trade and sewage generated in the catchment area of polluted river stretch	No trade & sewage generated within the municipal area is polluting the identified stretch of river Shilabati , as mentioned	
8.	Plantation on both sides of the polluted river	Plantation, beside the river Shilabati , is being done as per requirement.	
9.	<p>Whether there is any proposal of setting up of any Parks beside the concern river stretch</p> <p>Setting up of biodiversity Parks on flood plains by removing encroachments</p>	2 nos. Parks are under progress in Green City Mission.	Executing agency: either ULB/MEDte.
10.	Names of the ghats, specifying ward no., on river Shilabati within the municipal boundary.	<p>East Side of Shilabati River Basin:</p> <p>1) Banglo Ghat, Ward no.- 13</p> <p>2) Harh Ghat, Ward no.- 14</p>	

12

Sl. No.	Basic information/Points of concern	Present position & future Planning	Timeframe
		<ol style="list-style-type: none">3) Puratan Regd. Office Ghat, Ward no.- 154) Post Office Chak Ghat, Ward no.- 155) Vidyasagar School Ghat, Ward no.- 166) Buri Shitala Ghat, Ward no.- 167) Kushpata Shitala Mondir Ghat, Ward no.- 17 <p>West side of Shilabati River Basin:</p> <ol style="list-style-type: none">1) Donga Ghat, Ward no.- 122) Bakultala Ghat, Ward no.- 113) Ganga Das Ghat, Ward no.- 44) Posta Ghat, Ward no.- 45) Bhasa pul Ghat, Ward no.- 4	

PRIORITY - V

17. NAME OF THE RIVER:

TEESTA

RIVER STRETCH:

SILIGURI TO PAHARPUR

Towns/Urban agglomerates

identified by WBPCB:

=

**AS PROPOSED, THE DETAILED REPORT WOULD TO BE SUBMITTED BY
MED & WBPCB.**

DIRECTOR, SUDA

**3rd Meeting of the
River Rejuvenation Committee
of
West Bengal**

30 April 2019

**Issue: 17 river stretches of West Bengal has been
identified as POLLUTED**

17 Polluted River Stretches				
Sl.	River	Priority	BOD range (mg/L)	Stretch
1	VINDYADHARI	I	26.7-45.0	HAROA BRIDGE TO MALANCHA BURNING GHAT
2	MAHANANDA	II	6.5-25	SILIGURI TO BINAGURI
3	CHURNI	III	10.3-11.3	SANTIPUR TOWN TO MAJHADIA
4	DWARKA	III	5.6-17.0	TARAPITH TO SADHAK BAMDEB GHAT
5	GANGA	III	5.0-12.2	TRIBENI TO DIAMOND HARBOUR
6	DAMODAR	IV	4.4-8.2	DURGACHAKM TO DISHERGARH
7	JALANGI	IV	8.3	LAAL DIGHI TO KRISHNA NAGAR
8	KANSI	IV	9.9	MIDNAPORE TO RAMNAGAR
9	MATHA BHANGA	IV	8.5	MADHUPUR TO GOBINDAPUR

**Issue: 17 river stretches of West Bengal has been
identified as POLLUTED**

17 Polluted River Stretches				
Sl.	River	Priority	BOD range (mg/L)	Stretch
10	BARAKAR	V	5.7	KULTI TO ASANSOL
11	DWARAKESHWAR	V	1-5.6	BANKURA TO KUSHTIA
12	KALJANI	V	6.0	BITALA TO ALIPURDWAR
13	KAROLA	V	3.9	JALPAIGURI TO THAKURER KAMAT
14	MAYURAKSHI	V	5.2	SURI TO DURGAPUR
15	RUPNARAYAN	V	3.1-5.8	KOLAGHAT TO BENAPUR
16	SILABATI	V	3.8	GHATAL TO NISCHINDIPUR
17	TEESTA	V	3.3	SILIGURI TO PAHARPUR

Date of hearing: 02.04.2019

CORAM: HON'BLE MR. JUSTICE ADARSH KUMAR GOEL, CHAIRPERSON
HON'BLE MR. JUSTICE K. RAMAKRISHNAN, JUDICIAL MEMBER
HON'BLE DR. NAGIN NANDA, EXPERT MEMBER

For Applicant(s):

For Respondent (s):

Mr. Malay Kumar Dey, Chief Secretary, Government of West Bengal, Mr. Indevan Pandey, ACS, Government of West Bengal, Mr. Nayan Swarup Nigam, Transport Secretary, Dr. Krishna Gupta, Resident Commissioner, Mr. Sanjay Bansal, CEO, KMDA, Mr. Niraj Singhal, Member, WBPCB, Dr. Kalyan Rudra, Chairman, WBPCB, Dr. Tapas Gupta, Chief Engineer, WBPCB
Mr. Raja Chatterjee, Mr. Piyush Sachdev, Mr. Adeel Ahmed, Ms. Runamoni Bhuyan and Ms. Abhinandini Yadav, Advocates

Personal appearance of the Chief Secretary of the State

ACTION POINTS

- (i) Identification of polluting sources including drains contributing to river pollution, functioning status of STPs/ETPs/CETP and solid waste management and processing facilities;
- (ii) Map showing Polluted River, its tributaries, drains, major towns, industrial estates, location of STPs/CETPs
- (iii) Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis;

ACTION POINTS

- (iv) Detailed gap analysis w.r.t industrial water consumption, wastewater generation, existing infrastructure for treatment of industrial effluent (both captive ETPs/CETPs and their performance assessment), gap analysis w.r.to the industrial effluent management in the catchment area;
- (v) Quantification and characterisation of waste (such as solid waste, industrial hazardous waste, bio-medical waste, EWaste), STP sludge management, existing infrastructure and detailed gap analysis;

ACTION POINTS

- (vi) Latest Water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;

**ACTION POINTS**

- (vii) Aspects such as ground water extraction, adopting good irrigation practices, protection and management of Flood Plain Zones (FPZ), rain water harvesting, ground water charging, maintaining minimum environmental flow of river (by having watershed management provisions), plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment., proper interception and diversion of sewage carrying drains to Sewage Treatment Plant (STP), upgradation of existing sewage treatment plants if not in a position to comply with effluent discharge norms, emphasis on utilization of treated sewage so as to minimize extraction of ground or surface water be included,

ACTION POINTS

- (viii) Speedy, definite or specific timelines for execution of action plans and the estimated budget including the monitoring agency
- (ix) Achievable goals with specific timelines for restoration of water quality of polluted rivers
- (x) Organisation-wise action plans with **timelines** and the **estimated budget** for implementation of action plans.



রাজ্য নগর উন্নয়ন সংস্থা



STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA-315/2019/9419

তারিখ 17.02.2020

From : Additional Mission Director, SBM(U),
State Urban Development Agency.

To : Chief Executive Officer, KMDA,
Unnayan Bhavan,
Salt Lake, Kolkata.

Sub : Proforma for action taken note on the decision taken in the 4th meeting of
Empowered Task Force (ETF) held on 22nd July, 2019

Ref : Memo no: Admin-01/2016-17/595/NMGC dated: 30.01.2020


Madam,

Please find enclosed a proforma for action taken note to be furnished on the
decision taken in the 4th meeting of Empowered Task Force (ETF) held on 22nd July,
2019, for your perusal and taking necessary action please.

Thanking you,

Yours faithfully,

Encl: As stated above


13.02.2020
Additional Mission Director,
SBM(U), SUDA.

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

573-OSD
7/2/2020

No. Admin-01/2016-17/595/NMCG
Ministry of Jal Shakti
Department of Water Resources, River Development
& Ganga Rejuvenation
National Mission for Clean Ganga

UD/00/2020/01638..
Pr. Sec/UD & MA
Dt.-...11/02/2020...

1st Floor,
Major Dhyan Chand National Stadium,
India Gate, New Delhi-110001
Dated: 30th January, 2020

Subject: - Submission of Action Taken Note on the minutes of the 4th Meeting of the Empowered Task Force (ETF) on River Ganga held on 22nd July, 2019.

Please refer to this Ministry's letter of even no. dated 9th August, 2019 forwarding the minutes of the 4th meeting of the Empowered Task Force (ETF) on River Ganga held on 22nd July, 2019 (copy enclosed).

2. The next meeting of the Empowered Task Force will be held shortly for which notice is being sent separately.
3. It is requested to kindly forward the Action Taken Note on decisions taken in the 4th Meeting of the Empowered Task Force on River Ganga held on 22nd July, 2019 latest by 5th February, 2020, as per enclosed proforma.

*Dr. S. Mittal
Pl. put up a forwarding
letter addressed to
LEO, KMDA.
12.02.2020.*

*S.K. Ratho
30.01.2020*
(S.K. Ratho)

Deputy Director General, NMCG

To

- 1) Chief Secretary, Govt. of Uttarakhand
- 2) Chief Secretary, Govt. of Uttar-Pradesh
- 3) Chief Secretary, Govt. of Bihar
- 4) Chief Secretary, Govt. of Jharkhand
- ✓ 5) Chief Secretary, Govt. of West Bengal
- 6) Secretary, Minister of Agriculture & Farmers Welfare
- 7) Secretary, Ministry of Ayush
- 8) Secretary, Ministry of Rural Development
- 9) Secretary, Ministry of Power
- 10) Secretary, Ministry of Youth Affairs
- 11) Secretary, Ministry of Human Resources & Development
- 12) Secretary, Department of Drinking Water & Sanitation
- 13) Secretary, Ministry of Environment, Forests & Climate Change
- 14) CMD, Indian Oil Corporation Limited

Pr. Secretary (UD & MA Dept.)

Q

JS (SWM)

11/II/2020

Copy to :-

- (i) PS to DG, NMCG
- (ii) PS to DDG/ all Executive Directors, NMCG

DG, NMCG informed regarding the Dashboard being put in place at NMCG. Secretary, WR, RD&GR sought to know the position in the states. Hon'ble Minister said that all states should have their own dashboards.

DG, NMCG gave an over view of the projects under 'Namami Gange'. A total of 299 projects at a cost of Rs.28,534 crores have been taken up under 'Namami Gange'. It was explained that right from the beginning allocation of Rs.20,000 crores was made for the mission period i.e. 2015-December, 2020. The expenditure (as on 30th June, 2019) has been Rs.7222.98 crores. Against this allocation, the expenditure is likely to reach Rs.11,000 crores by December, 2020. It is also to be noted that as a policy decision while 'Namami Gange' was approved with long-term operation and maintenance (15 years), it was included in the project cost which implies that liability on operation and maintenance would go beyond the mission period. Further, in 2016 Cabinet also approved a policy decision of using Hybrid Annuity Mode for sewerage infrastructure for ensuring performance-based contracts and improving sustainability. This implies that part of the construction cost would also be paid in 15-year annuity. JS&FA informed that he has asked for future liability from NMCG, which would part of projection of expenditure. It was decided that in due course, these projections should be worked out along with estimating the future requirements for different sectors of interventions for meeting the overall objective of rejuvenation of Ganga and its tributaries and then action should be initiated for getting the required sanctions of competent authority. This, however, should not adversely affect the pace of works/projects under 'Namami Gange'.

Chairperson concluded by saying that Ganga's cleanness is a continues process and as new habitations and colonies come up along the river, there will be new pollution source and need for addressing them. Ganga will continue even after us. He asked for required proposal to be prepared for Cabinet.

ENCLOSURE

Proforma for Action Taken Note on the decisions taken in the 4th meeting of the Empowered Task Force (ETF) held on 22nd July, 2019 under the Chairmanship of Hon'ble Minister for Jal Shakti.

Sl.No.	Decision Taken	Action Taken Note to be furnished by:
1.	Organic farming should be made mandatory in a belt of 10 to 20 km along Ganga and farmers are to be incentivised for taking up organic farming.	(i) Ministry of Agriculture (ii) State Government(s)
2.	Ministry of Agriculture should earmark 25% funding under RKVY for the Ganga basin States. Similarly, State Government should make matching contribution of 25% also. Special attention should be given to Ganga Grams.	
3.	Cluster based approach along with agro forestry under convergence mode should be promoted.	(i) Ministry of Ayush (ii) State Government(s)
4.	Development and rejuvenation of water bodies in Ganga districts to be taken up under convergence mode with State Plans. All such schemes are to be appraised by an independent third party also.	(i) Ministry of Rural Development (ii) State Government(s)
5.	A framework for reuse of treated water by industry should be developed.	(i) IOCL (ii) Ministry of Power
6.	NSS and NCC should also be involved along with NYKS for cleaning of river Ganga and adjoining Ganga Grams.	(i) Ministry of Youth Affairs
7.	Education Material should be developed for bringing change in mind set of people and for management of natural resources not only in Ganga basin, but also for the whole country.	(i) Ministry of Human Resources Development (ii) State Government(s)
8.	Solid & Liquid Waste Management (SLWM) work in the 4465 Ganga villages should be made as a model for development of ideal villages.	(i) Department of Drinking Water and Sanitation (ii) State Government(s)
9.	Priority to be given for plantation along river Ganga under CAMPA fund.	(i) Ministry of Environment, Forest & Climate Change (ii) State Government(s)

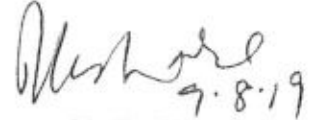
No. Admin-01/2016-17/595/NMCG
Government of India
Ministry of Jal Shakti
National Mission for Clean Ganga

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

Dated: 09.08.2019

Sub: - Minutes of 4th meeting of the Empowered Task Force (ETF) on River Ganga.

Please find enclosed the minutes of 4th Meeting of Empowered Task Force (ETF) on River Ganga held on 22nd July, 2019 at 2:30 pm in NMCG office, New Delhi for information and necessary action.



(Rajiv Kishore)
Executive Director (Administration)
Contact No.: 011-23049440

To,

1. PS to Union Minister for Jal Shakti;
2. PS to Union Minister of State for Jal Shakti;
3. Secretary, Department of Water Resources, River Development & Ganga Rejuvenation;
4. Secretary, Department of Expenditure, Ministry of Finance-Member, ex-officio;
5. Chief Executive Officer, Niti Ayog-Member, ex-officio;
6. Chief Secretary, Govt. of Uttrakhand-Member, ex-officio;
7. Chief Secretary, Govt. of Uttar Pradesh-Member, ex-officio;
8. Chief Secretary, Govt. of Bihar-Member, ex-officio;
9. Chief Secretary, Govt. of Jharkhand-Member, ex-officio;
10. Chief Secretary, Govt. of West Bengal-Member, ex-officio;
11. Chief Secretary, Govt. of Madhya Pradesh.
12. Secretary, Ministry of Agriculture and Farmers Welfare;
13. Secretary, Ministry of Environment and Forests & Climate Change;
14. Secretary, Department of Drinking Water & Sanitation;
15. Secretary, Ministry of Housing and Urban Affairs;
16. Secretary, Ministry of Tourism,
17. Secretary, Ministry of Culture.

Copy to: -

PS to DG, NMCG & all Executive Directors, NMCG.

No. Admin-01/2016-17/595/NMCG

Minutes of the meeting of 4th Empowered Task Force (ETF) held on 22.07.2019 under the Chairmanship of Hon'ble Minister Gajendra Singh Shekhawat.

The 4th meeting of ETF started with the welcome of Hon'ble Minister, Shri Gajender Singh Shekhawat and Hon'ble Minister of State, Shri Ratan Lal Kataria by DG, NMCG in the Conference Hall of NMCG.

Welcoming the members present for the meeting DG, NMCG started with the presentation. At the outset, he explained the background of ETF, its constitution, role and function, etc. Hon'ble Minister sought to know that amongst those present, how many of them were Members? He expressed his deep anguish that a number of the Members were not present in person and had sent their representatives. He stated, such dilution at the top leads to dilution of the whole system and ultimately the responsibility gets dumped on shoulders of the Collectors, who are not available to deliver, because of being overburdened.

The agenda items were taken up with permission of the Chairman.

Agenda item no. 1:

The minutes of the last meeting were confirmed as no comments have been received.

Agenda item no. 2:

The status of convergence activities with agencies were discussed:

Ministry of Agriculture:

DG, NMCG explained that sustainable agriculture is an important component of Ganga Basin Management Plan and much required for Ganga rejuvenation. Agriculture sector can contribute towards both Nirmal Dhara through prevention of run-off of chemical fertilizers and pesticides from agricultural fields to river and other water bodies and Aviral Dhara through improving water use efficiently in agriculture and other demand-side managements. Agriculture Dept. has initiated some clusters of organic farming, but as pointed out by the Chairperson, these are very small in size and in order to have impact, a decision should be taken to make organic farming mandatory in belt of say 10 to 20 kms. along Ganga, for which, the states have to be motivated and take lead.

Presence of the Chief Secretaries in the meeting would have led to fruitful discussions on this issue. Chairperson asked meeting to be held with Secretary, Agriculture, Government of India and all the states for considering to develop a scheme with 25% funding under RKVY compulsory in the Ganga basin with States making matching contribution of 25%. The representative from Agriculture Dept. stated that Rs. 55 cr. had been sanctioned under RAFTAR scheme for Namami Gange. Chairperson stated that fixed timeline should be drawn with Chief Secretaries and Agriculture Secretary in this regard. He wanted, the farmers to be incentivized to take up organic farming for which, the states should take lead. Much needs to be done in the sector for improving water-use efficiency and saving water in agriculture sector. Jal Shakti Abhiyan is giving momentum in this endeavor. Special attention for both aspects needs to be given to Ganga Grams.

Ministry of Ayush:

DG, NMCG informed regarding the progress of medicinal plantation in collaboration with Ministry of Ayush. Chairperson emphatically stated that convergence means contribution of resources by the line Ministries, he said that there should be cluster based approach, which should be linked with Ganga and agro forestry along Ganga should be promoted strongly.

Ministry of Rural Development:

DG, NMCG explained that NMCG has been working for over a year with Ministry of Rural Development for development & rejuvenation of water bodies in Ganga districts and data has been called for from DMs as per prescribed format. It was proposed to have convergence of these interventions with State Plans. Chairperson directed that all such schemes should be appraised by independent 3rd party also.

Indian Oil Corporation Ltd:

The agreement regarding buy back of treated water by IOCL was explained.

Chairperson wanted to know what was the possibility of replicating such partnership in other projects. Secretary, WR, RD&GR stated that presently the scheme is mostly directed towards the thermal power plants in Govt. sector. Chairperson observed that industry in general should start using treated water on their own or it would have to be done under judicial directions. We should develop framework for reuse of treated water by industry.

Ministry of Youth Affairs:

Secretary, WR,RD&GR observed that funds had been released to NYKS more than two years ago, but it has made little progress.

DG, NYKS present in the meeting stated that the recruitment process had been put in motion and the coordinators would be in place by 15th August, 2019. Chairperson questioned the projects of NMCG funding to the line Ministries for the activities. He again reiterated the need for genuine convergence, where line ministries invest their resources. He said that there should be a matching contribution by NMCG and collaborating partners.

Chairperson suggested that NSS and NCC should also be involved. DG, NYKS agreed stating he heads NSS too.

Ministry of Human Resources & Development:

Explaining the concept of the scheme, DG, NMCG stated that the potential of the scheme was much bigger than what had been implemented. Secretary, WR,RD&GR wanted to know the progress of developing education material. Executive Director (Administration) informed that West Bengal had developed their education material and completed the assigned task. Hon'ble Minister desired bigger push to such schemes, which can help change the mindset and he wanted effective collaboration to be done with M/o HRD and schools for not only Ganga, but management of natural resources in the whole country. DG, NMCG informed that we had recently organized a Ganga Quiz and Ganga Bal Mela which had generated lot of interest amongst children.

Department of Drinking Water & Sanitation:

Secretary, DWS explained the concept of ODF and ODF plus being implemented by his Department. He stated that the work had taken off in Uttarakhand, but was lagging in other states. Chairperson desired that SLWM work in the 4465 Ganga villages should be made as a role model for development of ideal villages all over the country and accordingly top priority should be given to this task.

Secretary, WR,RD&GR informed that the idea was also to develop these villages holistically and towards this end NMCG had provided funds for ODF and SLWM works for all Ganga villages.

Secretary, DWS inform that they would be providing funds now for development of the Ganga Grams.

On being told that no one from Bihar, SPMG was present in the meeting, because of State Ganga Committee being held on some day, Hon'ble Minister questioned that why could not the SGC meeting be held on a different day? He said he would write to Chief Minister, Bihar and asked Secretary, WR, RD&GR to write to Chief Secretary, Bihar stating the system would be unworkable in future, if this state of affairs continues. He observed that there was no commitment from Government of Bihar and West Bengal. Chairperson desired these issues to be brought up in the National Ganga Council to be held soon under the Chairmanship of Hon'ble Prime Minister.

Ministry of Environment, Forest & Climate Change (MoEF & CC):

Secretary, WR, RD&GR asked for priority to be given to plantation along Ganga under the CAMPA fund by the state under Ministry of MoEF&CC. Representative from the MoEF&CC also confirmed that their Ministry has accepted this and has called for AOP from State Forest Department. It was informed that MoEF&CC has asked Indian Council of Forest Research and Education to undertake preparation of DPRs for other major rivers in the country for river rejuvenation through forestry interventions on the lines under 'Namami Gange' for Ganga.

Agenda item no. 3:

Action taken note:

The issue of house service connection, which was discussed in great detail in the last ETF meeting was reviewed with PD, SMCG, UP. Secretary, DWS, Uttarakhand informed regarding the sewerage project taken up under the agreement with KFW for Haridwar and Rishikesh. Chairperson wanted that all schemes should be completed in time for next Kumbh to be celebrated at Haridwar. I & D work and STPs would be completed this year and sewerage network is a long-term agenda. DG, NMCG pointed out regarding the poor condition of municipal solid waste in Haridwar.

Chairperson stated that the Prayagraj Kumbh had set a very high bench mark and anything less would call for extreme criticism, so Uttarakhand has to plan very well for Kumbh.

Chairperson asked PD, SPMG, UP to look into the issue of environmental clearance for CETP.

31/5/2019

UD/00/2019/15957 B. Secy, UD&MA

17/12/19

Minutes of 'River Rejuvenation Committee'(RCC) meeting in connection with 'status on implementation of Action Plans for restoration of Identified Polluted River Stretches for ensuring compliance to Hon'ble NGT orders dated 20.9.2018, 19.12.2018 and 8.4.2019.

Meeting held on :20th November 2019 at 11.00 hrs

Venue : Conference Hall of Unnayan Bhawan

The meeting was chaired by Dr. Rajesh Kumar, Chairman, RRC and Member-Secretary, WBPCB.

- Chairman welcome all participants to the meeting and briefed about the importance of RRC and salient features of recent NGT orders.
- Ms. Antara Acharya, Convener-RRC and CEO, KMDA informed regarding personal appearance of the Chief Secretary & other State Govt. officials at the NGT, New Delhi in December 2019 and explained all relevant sections and clauses of the latest order of the NGT including the punitive measures mentioned and the financial penalties imposed on different States for non-submission or incomplete submission of action Plans for polluted river stretches.
- It is informed to all participants by Member-Secretary that now all department concerned has to submit the status on implementation of Action Plans for restoration of identified polluted river stretches for ensuring compliance to NGT Order No. 673/2014.
- A report structure is distributed to all stakeholders and shown in the meeting in line with the implementation of Action Plans which is to be filled up by all stakeholders and submitted to the Chief Scientist, WBPCB latest by 16.12.2019.

Following discussions happened and decisions were taken :-

1. Kolkata Metropolitan Development Authority (KMDA):- Report in respect of implementation of action plan for river Ganga, Vidyadhari and Churni to be prepared. Details of sewage management implementation on the Action Plans provided earlier to be highlighted.

In this connection, CEO, KMDA asked CE, GAP, KMDA to get confirmation from NMCG regarding their course of action for setting up of STPs in Durgapur and Asansol town because the issue of water quality is playing a major role now for setting up high cost STP in these two towns. Regarding finalisation of tender for Bioremediation and Phytoremediation for 8 (Eight) irrigation canals. CE (GAP,KMDA) informed that the tender shall be opened on 20/11/2019. Director, SUDA informed that action for Bioremediation/Phytoremediation work has not yet been taken up by any Municipality for want of a particular guidelines for a rate evaluation. CE (GAP,KMDA) told that as

J.S. (SWM)

16/Dec/2019

Dr. S. Mitra
Pl.

18-12-19

● this is a new type of technology and not been taken up earlier by us so the rate for such type of work can only be known once we receive the bidders response. Director, SUDA told that if we get the rate as per discharge capacity, then a budget on the basis of nullahs to be covered can be established and the approval for it can be received from UD & MA dept.

Director, SUDA informed that they have deployed Micro Planners in 85 ULBs out of 125 ULBs including Durgapur and Asansol. They are preparing DPR and GIS Mapping for Solid Waste Management projects.

2. **Asansol Durgapur Development Authority (ADDA)** :- No representative from ADDA is present in the meeting

3. **Asansol Municipal Corporation (AMC)** :- No representative from AMC is present in the meeting

4. **Durgapur Municipal Corporation (DMC)** . DMC representatives were asked to brief the RRC their status of implementation of the Action Plan. However, the representatives were not aware of the subject and they told that they know about the issue of putting screens in the nullah only.

Member Secretary expressed his displeasure and requested Chief Scientist to prepare a DO letter to send to Mayor and Commissioner of DMC. He asked the representatives to come the next day well prepared with their Action Plan and meet the Chief Scientist.

5. **Kolkata Municipal Commissionerate (KMC)** : KMC has submitted Action Plan. However, Chief Scientist informed that a gap of 143 MLD of municipal wastewater is found in their GAP analysis which may please be clarified in the report. DG, KMC explained the Gap and assured that they will clear the doubt. Similarly the Solid Waste dept. are asked to prepare the Action Plan for Solid Waste Management for KMC area.

6. **Public Health Engineering Department (PHED)** : They have stake in Vidhyadhari and Dwarka river stretch. 3 (Three) STPs of total capacity 60 MLD are in progress in Tarapith which will take another one year to be commissioned. The dispute in road has been resolved. In New Town in Kolkata a 24 MLD STP is in progress which is scheduled to be commissioned by 15th - 16th December 2019.

Chief Scientist requested PHED representative to give the status of the treatment plant commissioned/ongoing of surface/sub-surface water.

7. **Municipal Engineering Directorate (MED)** : There are 6 river stretches under MED. Secretary, MED informed that in 9 towns they are going to start Bioremediation out of which detailed report will be available in a week and the work is to be initiated by April 2020. Besides this, Secretary, MED has expressed his concern for the availability of land for setting up STPs. Availability of fund is also a major concern for the projects to be taken up. Chairman RRC however clarified that the directorate is required to submit their report in

utmost detail to the Chief Scientist and the land/funding etc. will be taken care of by the appropriate authority.

8. State Urban Development Directorate (SUDA): Director, SUDA informed that as per SWM Rule, they have given 3 proposed Action Points for commissioning of Integrated Waste Management facilities and accordingly the time line in OA No.606 has been extended to October 2020. As she told earlier Micro Planner as well as Transaction Advisors have been engaged for Integrated Waste Management Planning and expected to get the DPR ready by the end December 2019. She further informed that for arrangement of fund they will propose either to Swachh Bharat Mission or State Budget later and at this moment the fund amount cannot be indicated.

She informed that Bio-Mining and Bio-remediation are also a part of this planning so that land reclamation from dump sites can be made.

9. Siliguri Jalpaiguri Development Authority (SJDA) : They submitted a DPR earlier but due to some added parameter by NGT the DPR is revised and got vetted by Jadavpur University professors and then a meeting with the consultant on 7.11.19 and the DPR is submitted again to the dept. Chief Scientist informed that the reason of re-casting of DPR is due to change of parameter as ordered by NGT occurred.

Chief Scientist told that a complete information from SJDA for town wise consumption of surface water is not provided and requested SJDA representative to collect the data pertaining to it at the earliest.

SJDA informed that requirement of water is 72 MLD and available is 52 MLD, so, a gap of 20 MLD is there. They prepared a DPR on it and submitted to PHED. Chief Scientist told to keep contact with the PHED representative present in the meeting for updating the status of approval.

10. Siliguri Municipal Corporation (SMC) : One DPR on Solid Waste Management is prepared which is to be revised on few points and by December end it will be ready. Chief scientist raised concern about Septage Management on which no development has yet been taken place.

11. Panchayet and Rural Development Department (P&RD) : Complete report has been submitted.

12. Information Technology Department : Chief scientist informed that so far whatever report we have received are only awareness related and few meetings but development of E waste management has not taken place. Member Secretary advised the representative of the IT Department to meet Dr. Tapas Gupta of WBPCB in Waste Management cell to prepare the action plan and the report in required format.

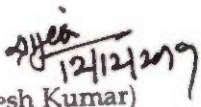
13. Water Resources Investigation & Development Department (WRIDD) : No representative have turned up for the meeting.

14. Irrigation Department : They have already submitted the reports

15. **Forest Department** : They informed that in their earlier Action Plan they committed that all their works will be completed in 2 years which are (1) River side Plantation upon 232 hectare of land and (2) Bio-Diversity Park Development lantation 250 hectare covering 11 rivers and 8 districts. Now they are waiting for approval of their proposed Budget.

16. **Agriculture** : They submitted Action Plan earlier covering two major heads but now they have prepared report adding two more important heads which will be submitted now.

Chairman of the Committee Dr. Rajesh Kumar categorically mentioned that all the departments have to submit their report in the required format which has already been circulated to all of them positively within 12th December 2019. Further, such report has to be river specific as the RRC has to deal with Seventeen (17) rivers all together. He further thanked everyone participated for their contribution and the meeting ended with thanks to and from the chair.


(Dr. Rajesh Kumar)
Chairman, RRC-WB
&
Member Secretary, WBPCB

ডঃ রাজেশ কুমার, আইপিএস
Dr. Rajesh Kumar, IPS



সদস্য সচিব
পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ
Member Secretary
West Bengal Pollution Control Board

D.O. No. 2020 / 2K-4/2016

Date : 11/07/2019

Dear Mrs. Debarti Dwita,



AD(SM)
We need to see
reply.
65

I would like to take this opportunity to address you regarding the issues raised from the exercise of rejuvenation of polluted river stretches of the State. The Hon'ble National Green Tribunal (NGT), in OA No. 673/2018, News item published in 'The Hindu' authored by Shri Jacob Koshy Titled "More river stretches are now critically polluted: CPCB" dated 20.09.2018, issued direction to the State Government that rejuvenation action plans are to be prepared and implemented for the identified seventeen (17) polluted river stretches (Annex-1). The order mentioned, "The Chief Secretaries of the State and Administrators/ Advisors to Administrators of the Union Territories will be personally accountable for failure to formulate action plan, as directed" (Para 50(v), page 30 of order dated 20/09/2018).

D(AD)
Dr. S. Mitra

Pl. put
up reply.

✓
3.11.19
EE-A1.
28.8.19

1. The RRC-WB (River Rejuvenation committee of West Bengal) was formed on 07th January, 2019 and the direction of submission of action plans for the polluted river stretches was complied in time. The CPCB approved the action plans for rivers with priority I and II, i.e., river Vidyadhari and river Mahananda respectively, with comments and mentioned that the action plans for the rest 15 rivers are to be accepted by the RRC-WB itself and placed in the website. Later, the Hon'ble NGT, in their order in OA 673/2018 dated 08/04/2019 directed for improvement of the action plans for the polluted rivers of the State.
2. The issue was duly addressed in the third meeting of the RRC dated 30/04/2019 and it was decided that the respective departments will submit their portion of the actions forming part of the holistic action plans in a time bound manner (Copy of the minutes at Annex-2) and the action plans be finalized within 15 days after the model code of conduct (MCC for last General Election) is withdrawn. The MCC was withdrawn on 26th May 2019 and the 4th RRC meeting, with the revised committee (Notification of the State Government No. EN/1216/3C-01/2019 dated 21 June 2019) was held on 04 June 2019. However, other than Department of Irrigation and Department of Forest, no department submitted their river specific action plans in the meeting.

3. I would, therefore, bring to your personal notice that the compliance of the directions of the Hon'ble NGT cannot be reported to the Chief Secretary in time if such plans are not available from the departments with approved budgets and timeline for completion. The other issue I would like to mention here that excepting one or two departments/agencies, junior level officials are representing in meetings and therefore, consolidated effort is lacking. Kindly see that one nodal officer, according to the notification of the constitution of the RRC as mentioned above, is selected from your department/agency who must participate in the weekly meetings to be held on each Fridays at 1430 hours at the KMDA office (Conference room, 3rd floor). The representatives from the Asansol, Durgapur and Siliguri may, however, join in through VIDEO conferencing facility available at the KMDA. The pending actions from your office is given below which require your immediate attention and follow up action. The nodal officer must come prepared with the action taken upon the below mentioned pending points of action, which exclusively pertains to your department.

Pending actions from:	SUDA
Details of Action	Decisions of the 3 rd meeting of the RRC-WB, dated 30 th April, 2019 respect of timeline.
<p>1. Action plans for management of Municipal, Plastic, Hazardous, Bio-medical and Electrical and Electronic wastes of the following rivers and towns. 2. Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis. KMDA and MED may be consulted in this respect.</p> <ol style="list-style-type: none"> 1. Jalangi – Krishnanagar 2. Kanshi - Medinipur 3. Dwarkeswar - Bankura 4. Kaljani - Alipurduar 5. Karola - Jalpaiguri 6. Rupnarayan – Tamluk & Kolaghat 7. Mayurakshi - Suri 8. Silabati - Ghatal 9. Teesta - Jalpaiguri 	<p>Para 3(8) of MOM of the meeting Speedy, definite or specific timelines for execution of action plans and the estimated budget including the monitoring agency. Proposing Department will be the monitoring agency. Reports are to be submitted on following sections:</p> <ol style="list-style-type: none"> 1. Action Plan 2. Break-up (if any) of timeline of implementation. 3. Budgetary Estimate <p>Para 3(10) of MOM of the meeting Organization wise action plan with time line for the following stages are to be submitted with following timeline.</p> <ol style="list-style-type: none"> 1. Actions to be taken with Budget – within 7 days 2. Budgetary Proposal and Departmental approval – within 15 days 3. Financial approval by line Department / Finance Department – within 30 days.

10. Churni – Ranaghat 11. Damodar – Asansol and Durgapur Municipal Corporation 12. Barakar – Asansol Municipal Corporation 13. Dwarka 14. Mahananda 15. Ganga and Vidyadhari – 44 Ganga-front towns.	4. Tendering initiation – within 40 days. 5. Issuance of work orders – within 70 days. For Departments not requiring the tendering procedures, work should be initiated immediately after financial approval. Each Department shall submit progress report within 5 th day of every month.
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The minutes of meeting of the RRC-WB dated 04/07/2019 is provided at Annex-3 for your kind reference and record.

Yours sincerely,

Yours sincerely,


(Dr. Rajesh Kumar)

Mrs. Debarati Dutta
Director, State Urban Development Agency
HB-305, AB Rd, HC Block, Sector III,
Bidhannagar, Kolkata, West Bengal 700106

17 Polluted River Stretches					
Sl.	River	Priority	BOD range (mg/L)	Stretch	Towns
1	VINDYADHARI	I	26.7-45.0	HAROA BRIDGE TO MALANCHA BURNING GHAT	HAROA, MINAKHAN, MALANCHA
2	MAHANANDA	II	6.5-25	SILIGURI TO BINAGURI	SILIGURI
3	CHURNI	III	10.3-11.3	SANTIPUR TOWN TO MAJHADIA	RANAGHAT
4	DWARKA	III	5.6-17.0	TARAPITH TO SADHAK BAMDEB GHAT	CHANDIPUR, TARAPITH, MARGRAM
5	GANGA	III	5.0-12.2	TRIBENI TO DIAMOND HARBOUR	KANCHRAPARA, HOOGHLY, NAIHATI, CHANDANNAGAR, BHATPARA, BARRACKPORE, BARANAGAR, KOLKATA, HOWRAH, BERHAMPORE, PALTA, DAKSHINESWAR, ULUBERIA
6	DAMODAR	IV	4.4-8.2	DURGACHAKM TO DISHERGARH	UDAYANARAYANPUR, BAGNAN, DURGAPUR, ASANSOL
7	JALANGI	IV	8.3	LAAL DIGHI TO KRISHNA NAGAR	KRISHNANAGAR, CHAPRA
8	KANSI	IV	9.9	MIDNAPORE TO RAMNAGAR	MEDINIPUR
9	MATHA BHANGA	IV	8.5	MADHUPUR TO GOBINDAPUR	MAJHDIA, KRISHNAGANJ, DURGAPUR, SWARNAKALI
10	BARAKAR	V	5.7	KULTI TO ASANSOL	CHITTARANJAN, KULTI, BURNPUR, ASANSOL
11	DWARAKESHWAR	V	1-5.6	BANKURA TO KUSHTIA	BANKURA
12	KALJANI	V	6.0	BITALA TO ALIPURDUAR	HAMILTONGANJ, ALIPURDUAR
13	KAROLA	V	3.9	JALPAIGURI TO THAKURER KAMAT	JALPAIGURI
14	MAYURAKSHI	V	5.2	SURI TO DURGAPUR	SURI, SAINTHIA
15	RUPNARAYAN	V	3.1-5.8	KOLAGHAT TO BENAPUR	BAGNAN, KOLAGHAT, TAMLUK
16	SILABATI	V	3.8	GHATAL TO NISCHINDIPUR	GHATAL, NISCHINDIPUR
17	TEESTA	V	3.3	SILIGURI TO PAHARPUR	JALPAIGURI, SILIGURI

Minutes of the 3rd River Rejuvenation Committee (RRC) meeting in connection with Preparation of Action Plan for Polluted River Stretches Priority - I,II,III,IV and V in connection with the orders of NGT O.A. 673/2017

Meeting held on: 30th April, 2019 at 1500 Hrs.

Venue: Conference Hall of Environment Department, Govt. of West Bengal

The meeting was chaired by Shri Indevan Pandey, Addl. Chief Secretary, Environment Department and list of attendees enclosed.

Chairman welcomed all the participants to the meeting and briefed about the importance of RRC & salient features of recent NGT orders.

Convener-RRC informed regarding the appearance of the Chief Secretary & other State Govt officials to NGT New Delhi bench on 02 April 2019 and explained all relevant sections and clauses of the latest order of the NGT including the punitive measures mentioned and the financial penalties imposed on different States for non submission or incomplete submission of action plans for polluted river stretches. He further mentioned that the two orders of the NGT, dated 02nd April 2019 of Original Application No. 606/2018 and dated 08th April 2019 of Original Application No. 673/2017 are required to be read, understood and implemented by all departments. Chairman categorically mentioned that although the Action Plans submitted by the West Bengal for 17 (Seventeen) river stretches were mentioned to have been accepted by the CPCB task force, all will depend on the execution of the plans in a time bound manner.

NGT is now emphasizing on the gap analysis for different aspect of pollution, implementation time lines, budgetary estimation and sanction by the competent authority in respect of the plans and fund allocation.

Detailed presentations on the action points to be taken up by different departments were made by the Convener followed by elaborate discussions and queries of members of the committee.

Following decisions were taken.

1. All departments will prepare their individual proposals and action points keeping in mind the following pollution control strategy directed by the Hon'ble National Green Tribunal. Relevant point(s) shall be picked up by the line departments and actions should be initiated accordingly. All departments shall set the time lines for action plan submitted by them for each of Seventeen River stretches and report back to the RRC regarding their action taken in due time mentioned below.
2. Departmental responsibilities for preparation of the projects with strict timelines to be taken were discussed and the responsibility distribution is provided below against each action point as described by the Hon'ble NGT.
3. Department of S&T GoWB will be approached for getting the GIS maps for identification, mapping of all drains with the infrastructure in place for abatement of pollution & proposed action plan infrastructure. The GIS map will also have the details of all monitoring stations with interactive interface for immediate identification & alert if any of the water indicator is breached. I & W Department representative also informed that they have the GIS maps of majority of the river stretches. these maps shall also be collected. One cell in the WBPCB may be opened to work on the GIS based mapping & planning.

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
1	Identification of polluting sources including drains contributing to river pollution, functioning status of STPs/ETPs/CETP and solid waste management and processing facilities;	<ul style="list-style-type: none"> • Drains to be identified by ULB (many already reported by SUDA), BOD load will be done by WBPCB and Flow data to be prepared by Irrigation Department. MED to coordinate the activities. MED may consult SUDA as and when required. • No drains discharge wastewater from the following towns to the rivers. <ul style="list-style-type: none"> ➤ SURI to Mayurakshi ➤ Ghatal to Silabati ➤ Jalpaiguri to Teesta

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
		Wastewater management action plan has to mention the treated water discharge point. Best is to use the treated wastewater for agricultural purpose, which is possible for these towns. A pilot project is being proposed to be undertaken in Kalyani STP set up under NMCG prog.
2	Map showing Polluted River, its tributaries, drains, major towns, industrial estates, location of STPs/CETPs	DST to be discussed. Help of I& W be sought as they have the GIS maps of major river stretches & khals. WBPCB to prepare the TOR for the required development.
3	Detailed gap analysis w.r.t town-wise water consumption (including ground water consumption), sewage generation, existing infrastructure in the catchment area and the gap analysis:	Department of UDMA will do the needful. Information to be obtained: <ol style="list-style-type: none"> 1. Town wise consumption - Surface Water 2. Town wise consumption - Ground Water 3. Town wise sewage generation 4. Town wise existing wastewater treatment infrastructure 5. Town wise Gap analysis for wastewater treatment
4	Detailed gap analysis w.r.t industrial water consumption, wastewater generation, existing infrastructure for treatment of industrial effluent (both captive ETPs/CETPs and their performance assessment), gap analysis w.r.to the industrial effluent management in the catchment area;	WBPCB to provide input in this respect and prepare strategy / action plan for industrial wastewater management and disposal. Industry and MSME Department to provide support and ensure that the industrial contributions are taken into account
5	Quantification and characterization of waste (such as solid waste, industrial hazardous waste, bio-medical waste, E-Waste), STP sludge management, existing infrastructure and detailed gap analysis:	<ul style="list-style-type: none"> • SUDA & KMDA to coordinate with WBPCB for SWM. • Industry and MSME Department to provide support and ensure that the industrial contributions are taken into account. • Dept. of Information Technology and WEBEL to prepare the action points for e-waste management.
6	Latest Water quality of polluted river, its tributaries, drains with flow details and ground water quality in the	Submitted by WBPCB (Para-2 of Action Plan) Dynamical reporting available at http://emis.wbpcb.gov.in/waterquality/JSP/wq/pol

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
	catchment of polluted river;	riverstrtch.jsp
7	Aspects such as ground water extraction, adopting good irrigation practices, protection and management of Flood Plain Zones (FPZ), rain water harvesting, ground water charging, maintaining minimum environmental flow of river (by having watershed management provisions), plantation on both sides of the river, setting up biodiversity parks on flood plains by removing encroachment., proper interception and diversion of sewage carrying drains to Sewage Treatment Plant (STP), upgradation of existing sewage treatment plants if not in a position to comply with effluent discharge norms, emphasis on utilization of treated sewage so as to minimize extraction of ground or surface water be included,	<ol style="list-style-type: none"> 1. Ground water extraction, recharging to be taken up by WRIDD. 2. Good irrigation practice & Flood plain zone management by Irrigation Dept. 3. Plantation of SUNDARI & NIPA on the banks of the river and the canals by Forest Department in consultation with Irrigation Dept. for availability of Land. 4. Development of Biodiversity Park by Biodiversity Board (in consultation with Irrigation Department & District Administration for land availability) <p>NOTE: As in the following cases no urban wastewater reaches the respective rivers, (1) Floodplain management, (2) Rural Sanitation Programme, (3) Watershed management programmes & Rainwater harvesting</p>
8	Speedy, definite or specific timelines for execution of action plans and the estimated budget including the monitoring agency	<p>Proposing Department will be the monitoring agency.</p> <p>Reports are to be submitted on following sections:</p> <ol style="list-style-type: none"> 1. Action Plan 2. Break-up (if any) of timeline of implementation. 3. Budgetary Estimate
9	Achievable goals with specific timelines for restoration of water quality of polluted rivers	<p>Timelines described in para (x) below.</p> <p>The target for water quality for the stretch is for Outdoor bathing (Organised), Parametrically, Targets for all rivers (excepting Vidyadhari) are:</p> <ul style="list-style-type: none"> • Total Coliforms (MPN/100ml) 500 or less • pH between 6.5 and 8.5 • Dissolved Oxygen 5mg/l or more • Biochemical Oxygen Demand 5 days 20C 3mg/l or less <p>For Vidyadhari, the proposed target is the following:</p>

Sl.	Clauses (i) to (x) on page 20-21 of NGT order dated 08/04/2019 of OA 673/2018	Actions to be taken
		<ul style="list-style-type: none"> • pH between 6.5 and 8.5 • Dissolved Oxygen 4mg/l or more • Free Ammonia (as N) 1.2 mg/L or less
10	Organization-wise action plans with timelines and the estimated budget for implementation of action plans.	<p>Organization wise action plan with time line for the following stages are to be submitted with following timeline. Once the MCC is over.</p> <ol style="list-style-type: none"> 1. Actions to be taken with Budget - within 7 days 2. Budgetary Proposal and Departmental approval - within 15 days 3. Financial approval by line Department / Finance Department - within 30 days. 4. Tendering initiation - within 40 days. 5. Issuance of work orders - within 70 days. <p>For Departments not requiring the tendering procedures, work should be initiated immediately after financial approval.</p> <p>Each Department shall submit progress report within 5th day of every month.</p>

4. Departmental meetings will be held on following dates for further discussion in details for preparation of the river wise action points. Respective departments are to send their representatives for the meetings.

8th May 2019	1100 to 1300 hrs at KMDA 3rd Conference Hall
	<ul style="list-style-type: none"> • Panchayet & Rural Development Department • Forest Department • Biodiversity Board

8 th May 2019	1400 to 1600 hrs at KMDA 3rd Conference Hall
	<ul style="list-style-type: none"> • Kolkata Municipal Corporation • Howrah Municipal Corporation • Siliguri Municipal Corporation • Siliguri Jalpaiguri Development Authority • Asansol Durgapur Development Authority

10 th May 2019	1100 to 1300 hrs at KMDA 3rd Conference Hall
	• Industry Department
	• MSME Department
	• Information Technology & Electronics Department

14 th May 2019	1100 to 1300 hrs at KMDA 3rd Conference Hall
	• Irrigation and waterways department
	• Municipal Engineering Directorate
	• State Urban Development Authority

14 th May 2019	1400 to 1600 hrs at KMDA 3rd Conference Hall
	• Water Resources Investigation & Development Department
	• Public Health Engineering Department
	• Agriculture Department

ACS (Environment) and the Chairman of the meeting summarized the decisions and the meeting was ended with thanks to and from the chair.



Shri Indevar Pandey
Addl. Chief Secretary
Dept. of Environment, GoWB

Minutes of the 4th River Rejuvenation Committee (RRC) meeting in connection with Preparation of Action Plan for Polluted River Stretches Priority - I,II,III,IV and V in connection with the orders of NGT

G.A. 673/2017 Dated 04th July 2019

1. Dr. Rajesh Kumar IPS , Member Secretary, West Bengal Pollution Control Board and Chairman, RRC
2. Antara Acharya, IAS, CEO, KMDA & TD, SPMG and Member Convener, RRC
3. Bijir Krishna, IAS, Commissioner, Howrah Municipal Corporation
4. T.U.W Rao, IFS, Addl. PCCF, W.D
5. Ujjal Mukhopadhyay, Chief Scientist, WBPCB
6. Shouvik Ganguly, AEE & TA to MS, WBPCB
7. Rathis Som WBLS, Law Officer, Dept. of Env. & WBPCB
8. Sanjay Mukherjee, GL Secy.(W), KMDA
9. Dr. Biswajit Mukherjee, Chief Engineer (A/C) GAP, KMDA
10. Prosenjit Adhya, Manager (IT Applications & ... WBEIDC
11. Prasenjit Hams, WBCS (EXE.), Special Secretary, Agriculture
12. A.V. Mishra
13. P.K Bera, JDA (Research) WB Dept. of Agriculture
14. A Bhattacharyya, Project Technical Officer, WBSIDCL
15. K. Ghosh Dastider, E.E.(c)/KMC
16. S. Chattopadhyay, DG (SWM)/KMC
17. Arup Kr. Mallik Executive Officer, SJDA
18. Tapas Kr. Mandal, DG & OSD, Tolly s Nullah Rehab Project/KMC
19. Chinmay Mukherjee, S.O/TNP/KMC
20. Brijit Aich, AE, SMC
21. Santanu Kr. Ghosh, Dy, CE/KMC

The representatives of the following agencies / departments were absent

1. Asansol Durgapur Development Authority - Member'
2. State Urban Development Agency - Member.
3. Water Investigation Directorate - Member.
4. Irrigation and Waterways Department
5. Public Health Engineering Department. -
6. Health & Family Welfare Department -
7. Water Resources Investigation & Development Department - Member.
8. Urban Development and Municipal Affairs Department - Member.
9. Panchayat and Rural Development Department - Member.

The Member Secretary , West Bengal Pollution Control Board chaired the meeting.

At the outset, the Chairman discussed about the minutes of the 3rd meeting held on 30-04-2019. He also reminded the house about the timeline that has been fixed by the Hon'ble National Green Tribunal and the timeline fixed by the committee. He also reminded that we are moving way behind the scheduled

deadline and now may face coercive penal action from the Hon'ble Tribunal. That the committee has not received any action plan from the concerned departments/agencies, was also mentioned by him.

CEO-KMDA pointed out that there is an interdepartmental communication gap. She suggested that each department shall nominate one nodal person who will be contacted from RRC in this respect and a coordination meeting will be held at KMDA each week on Fridays and the meeting will start at 1430 hours. She also advised that there will be a coordination meeting with the Urban Development & Municipal Affairs Department and other bodies under it like KMDA, SUDA, within 7 days to prepare the action plan(s) so that the time lines can be adhered to.

The Chief engineer KMDA-GAP reported the house that they have 6 STPs under construction. Out of that 3 STPs at Halisahar, Barackpur and BudgeBudge are yet to be completed as house hold connectivity is yet to setup. The STPs in Kalyani, Gayeshpur and Bhatpara is functional as the household connections have been made, though partially. He also reported that proposals for 12 more STPs are being processed at different stages.

It emerged from the discussions that the predominant actions to tackle the river pollution problem was to discharge municipal wastewater after proper treatment. The issue was given emphasis during the discussion that although the Government is providing sufficient funding for the wastewater treatment projects, the benefits could not be realised if the channels carrying the treated water from the STPs are further tapped by the local residents / municipalities / industries for wastewater discharge. The issue of Nazirganj Khal in Howrah was discussed in this respect with special emphasis. Sri B. Krishna, the Commissioner, HMC advised to have a meeting with the field level local officers at Howrah to address such issues. He further suggested that the irrigation department may also be involved in such activity and the consultant preparing the DPR must ensure that interception of all the wastewater discharge channels are taken into account.

The representatives of Kolkata Municipal Corporation mentioned a specific issue in respect of use of compactor for solid waste. He mentioned that they can segregate all classes of wastes instead of using compactors, but is not finding registered recyclers from the West Bengal Pollution Control Board. The solid waste generated inside the municipal areas are required to be dealt according to the instructions issued by the SUDA vide their memo number 332/2019/4389(117) dated 01/07/2019. The Chairperson, in this issue, requested the KMC representative to contact Dr Tapas Gupta, Chief Engineer, WBPCB for the same and settle the issues as to what could be done following the existing rule(s).

The following decisions were taken in the meeting.

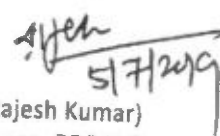
1. S. Mukherjee, JS-KMDA and Ujjal Mukhopadhyay, CS, WBPCB will coordinate with DST for Dynamic Mappings of the Khals, STP outlets and other discharge channels of the rivers under question and will hold the weekly coordination meetings on Fridays at 1430 hours.
2. The Commerce and Industries department was represented by Project Technical Officer, WBSIDCL who was requested to send their report in respect of wastewater discharge and solid

- waste treatment in industrial clusters by Monday, the 08th July, 2019. Joint Director, MSME, present in meeting also assured to provide action plan within next week.
3. The PCCF of Forest Department mentioned that their proposed action plan has been submitted and is awaiting approval of the Department. He handed over a copy to the chairman of the meeting. He was requested to segregate their proposal specifically for 17 rivers and re-submit the action plans shortly.
 4. The Special Secretary, Agriculture Department submitted their plan and was requested to propose river specific action plan with target timelines. Such plans are required to include the micro-irrigation and good agricultural practices to give emphasis on agricultural practice which is less dependent on underground water.
 5. Chief Engineer, GAP and Chief Scientist, WBPCB will visit Howrah Municipal Corporation and Siliguri Jalpaiguri Development Authority for holding meetings regarding wastewater management projects and coordination of relevant activities. Meetings of the "Special Environmental Surveillance Task Force" of the respective districts may be convened on the same days as this committee has been formed to deal with the cases of rejuvenation of polluted river stretches following the order of the Hon'ble NGT in OA No. 673/2018 dated 20/09/2018. The notification in this regard was issued from the Department of Environment with Memo Number EN/860/3C-01/2019 dated 3rd May, 2019.
 6. All departments shall submit their respective river specific action plans immediately and shall attend the weekly meetings for periodic review. Representatives from ADDA/Durgapur and Asansol Municipal Corporations and SJDA/Siliguri Municipal Corporation may attend these meetings through VIDEO conferencing which will be available with KMDA.
 7. Concerned ULB's shall take active part in the wastewater and solid waste treatment activities and shall ensure that no untreated wastewater discharge is done directly to the river or the discharge channels for the STPs.
 8. KMC officials were requested to furnish details of pending issues at NMCG by next Monday.

At the end CEO, KMDA suggested that the Chairman, RRC shall send DO letters to the concerned Secretaries stating the actions to be taken from her/his end.

The meeting ended with thanks to and from the chair.

Dated: 05 July 2019


(Dr. Rajesh Kumar)
Chairman, RRC-WB
And
Member Secretary, WBPCB

Minutes of the meeting with the identified Urban Local Bodies (except Ganga towns) on prevention of pollution of 17 identified river stretches of priority- I, II, III, IV & V within the state of West Bengal, in connection with the order of Hon'ble National Green Tribunal, O.A. no. 673/2018

Date: August 16, 2019	Time: 12:00 Noon	Venue: Conference Hall State Urban Development Agency (SUDA) ILGUS Bhavan, HC Block, Sector – III Bidhannagar, Kolkata – 700 106, West Bengal
List of participants present in the meeting: Annexure-1		

The meeting was chaired by the Director, SUDA. All the members & participants were welcomed and the discussion was initiated by the Director, SUDA.

The Director, SUDA highlighted the objectives of the meeting.

She explained that the Hon'ble National Green Tribunal, Principal Bench, New Delhi, was pleased to pass an order dated 20.09.2018 in O.A. no. 673/2018 NEWS ITEM PUBLISHED IN "THE HINDU" AUTHORED BY SHRI JACOB KOSHY Titled "More river stretches are now critically polluted: CPCB" directing all the States and Union Territories to prepare action plans within two months for bringing all the polluted river stretches to be fit at least for bathing purpose (i.e. BOD < 3 mg/l and FC < 500 MPN/100 ml) within six months from the date of finalization of the action plans.

In order to address the issues, The River Rejuvenation Committee, West Bengal was constituted vide notification no. EN/44/3C-01/2019 dated January 7, 2019 and further reconstituted vide notification no. EN/504/3C-01/2019 dated March 5, 2019, respectively, that are available in the webpage of the West Bengal Pollution Control Board (WBPCB), i.e. www.wbpcb.gov.in under tab **NGT Orders and Compliance**.

In the State 17 such polluted riverstretches have been identified and 14 municipal towns are situated besides these river stretches. In this backdrop, Director, SUDA elaborately discussed with all the officials from these municipalities/municipal corporation present in the meeting, on various points of pollution index which are responsible for polluting the river flowing within the municipal boundary with immediate measures to be taken up, that are mentioned below:

- Task force on Solid Waste Management as constituted at ULB level will hold regular meeting with regard to planning and execution of solid and liquid waste management in cities in conformity with SWM Rules, 2016.
- Solid waste management projects that had been taken up for Krishnanagar, Ranaghat, Nabadwip and Santipur are stalled as various shortcomings in DPR have come into surface. Transaction Advisor has been engaged by SUDA for development of revised DPR and assisting the SUDA/ULBs in bid process management for selection of eligible agency towards removal of legacy waste and setting up of waste processing plant.
- Besides, since the entire SWM work involves segregation of waste at generation level, transportation and processing at different level, it needs a comprehensive planning and IEC activities for behavioural change among citizens. In order to prepare a city-specific plan with

training and capacity building, SUDA will shortly engage micro-planning organizations in all cities come under purview of RRC.

- As an immediate action, screens should be provided in each and every outfall discharging polluted water to the river as per the designs, drawings and specifications that had been prepared by KMDA for screening the drains.
- The drawing/design and estimates for screening may be customized by the Assistant Engineer/Sub-Assistant Engineer of the Municipality subject to getting it vetted by the concerned authority of KMDA or ME Dte.
- The work related to screening on small nullah/drain has to be executed by the Municipal Authority of its own. In case of requirement of funds for installation of screens above 1.2m x 1.2m reimbursement of funds may be claimed with work done estimates duly vetted by the concerned Executive Engineer of KMDA or ME Dte after completion of work.
- The ULBs are requested to submit a list of such drain/canal lying within the locality of the municipal area but maintained by other Government Departments/Authorities.
- Liquid waste is also to be treated. ULBs would have to report on the status of the Sewage Treatment Plants (STPs) within the municipal areas, if existed.
- ULBs would have to identify suitable land for setting up of solid and liquid waste processing facilities and SLF. If suitable vested land or land under possession of municipal bodies could not be found, it requires to be purchased following necessary government norms. Land details with schedule, sketch map, feasibility report by ME Dte or KMDA and NOC from buyers (in case of purchase) are needed to be submitted to SUDA within the fortnight.
- The publicity materials as shared by SUDA would have to be displayed on conspicuous places in the city. Publicity campaign on segregation of waste is to be started immediately.
- ULBs need to contact plastic waste recycling agencies for disposal of non-biodegradable plastic carry bags of thickness less than 50 μ m.

Further, Executive Engineer, SUDA requested the municipalities to clean all the screens, installed or to be installed, on regular basis and to provide screens on the outfall on which it has not been provided. He also requested to fix the data regarding no. of outfalls which should not be changed in every occasion.

Secretary, MEDte concluded the meeting with vote of thanks, to and from the chair.

Self 27/8/19

Director, State Urban Development Agency

Draft

Minutes of the meeting with the identified Urban Local Bodies (except Ganga towns) on prevention of pollution of 17 identified river stretches of priority- I, II, III, IV & V within the state of West Bengal, in connection with the order of Hon'ble National Green Tribunal, O.A. no. 673/2018

Date: August 16, 2019	Time: 12:00 Noon	Venue: Conference Hall State Urban Development Agency (SUDA) ILGUS Bhavan, HC Block, Sector – III Bidhannagar, Kolkata – 700 106, West Bengal
List of participants present in the meeting: Annexure- 1		

The meeting was chaired by the Director, SUDA. All the members & participants were welcomed and the discussion was initiated by the Director, SUDA.

The Director, SUDA highlighted the objectives of the meeting.

She explained that the Hon'ble National Green Tribunal, Principal Bench, New Delhi, was pleased to pass an order dated 20.09.2018 in O.A. no. 673/2018 NEWS ITEM PUBLISHED IN "THE HINDU" AUTHORED BY SHRI JACOB KOSHY Titled "More river stretches are now critically polluted: CPCB" directing all the States and Union Territories to prepare action plans within two months for bringing all the polluted river stretches to be fit at least for bathing purpose (i.e. BOD < 3 mg/l and FC < 500 MPN/100 ml) within six months from the date of finalization of the action plans.

The action plans were to be prepared by a four-member Committee comprising, Director, Environment, Director, Urban Development, Director, Industries and the Member Secretary, State Pollution Control Board of the concerned State. This Committee would also be the Monitoring Committee for execution of the action plan. This Committee is called the "River Rejuvenation Committee" (RRC).

The River Rejuvenation Committee, West Bengal was constituted vide notification no. EN/44/3C-01/2019 dated January 7, 2019 and further reconstituted vide notification no. EN/504/3C-01/2019 dated March 5, 2019, respectively, that are available in the webpage of the West Bengal Pollution Control Board (WBPCB), i.e. www.wbpcb.gov.in under tab **NGT Orders and Compliance**.

Now, the Director, SUDA elaborately discussed with all the members present in the meeting, on various points of pollution index which are responsible for polluting the river flowing within the municipal boundary with immediate measures to be taken up, that are mentioned below:

- Task force on Solid Waste Management as constituted at ULB level will hold regular meeting with regard to planning and execution of solid and liquid waste management in cities in conformity with SWM Rules, 2016.
- Solid waste management projects that had been taken up for Krishnanagar, Ranaghat, Nabadwip and Santipur are stalled as various shortcomings in DPR have come into surface. Transaction Advisor has been engaged by SUDA for development of revised DPR and assisting the SUDA/ULBs in bid process management for selection of eligible agency towards removal of legacy waste and setting up of waste processing plant.
- Besides, since the entire SWM work involves segregation of waste at generation level, transportation and processing at different level, it needs a comprehensive planning and IEC

activities for behavioural change among citizens. In order to conduct city specific planning with training and capacity building, SUDA will shortly engage micro-planning organizations in all cities come under purview of RRC.

- As an immediate action, screens should be provided in each and every outfall discharging polluted water to the river as per the designs, drawings and specifications that had been prepared by KMDA for screening the drains.
- The drawing/design and estimates for screening may be customized by the Assistant Engineer/Sub-Assistant Engineer of the Municipality subject to getting it vetted by the concerned authority of KMDA or ME Dte.
- The work related to screening on small nullah/drain has to be executed by the Municipal Authority of its own. In case of requirement of funds for installation of screens above 1.2m x 1.2m reimbursement of funds may be claimed with work done estimates duly vetted by the concerned Executive Engineer of KMDA or ME Dte.
- The ULBs are requested to submit a list of such drain/canal lying within the locality of the municipal area but maintained by other Government Departments/Authorities.
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- ULBs need to contact plastic waste recycling agencies for disposal of non-biodegradable plastic carry bags of thickness less than 50 µm.

Further, Executive Engineer, SUDA requested the municipalities to clean all the screens, installed or to be installed, on regular basis and to provide screens on the outfall on which it has not been provided. He also requested to fix the data regarding no. of outfalls which should not be changed in every occasion.

Secretary, ME Dte. concluded the meeting with vote of thanks, to and from the chair.

Smt. Debarati Dutta Gupta, WBCS (Exec.)
Director, State Urban Development Agency
& State Mission Director, SBM (U)/MNB (U,
UD & MA Department
Government of West Bengal

NOTIFICATION

Kolkata, the March, 2019.

No. EN/504/3C-01/2019

The Hon'ble National Green Tribunal, Principal Bench New Delhi, was pleased to pass an order dated 20.09.2018 in O.A. no.673/2018 NEWS ITEM PUBLISHED IN "THE HINDU" AUTHORED BY SHRI JACOB KOSHY Titled "More river stretches are now critically polluted : CPCB" directing all the States and Union Territories to prepare action plans within two months for bringing all the polluted river stretches to be fit at least for bathing purposes (i.e BOD < 3 mg/L and FC < 500 MPN/100 ml) within six months from the date of finalisation of the action plans.

The action plans to be prepared by four-member Committee comprising, Director, Environment, Director, Urban Development., Director, Industries., Member Secretary, State Pollution Control Board of the concerned State. This Committee will also be the Monitoring Committee for execution of the action plan. The Committee may be called "River Rejuvenation Committee" (RRC). Constitution of the Committee was notified vide memo no : EN/44/3C-01/2019 dated 07th January,2019. In the 2nd meeting , it was unanimously accepted that a proposal will be sent to the Chief Secretary to reconstitute the RRC so that all the departments and agencies who are responsible for effective functioning of the committee be included..

In terms of the proposal of the aforesaid committee, the Governor is pleased reconstitute the River Rejuvenation Committee, West Bengal comprising of the following members-

1. Mr. Niraj Singhal, IFS, Chief Environment Officer also Member Secretary, WBPCB - Member.
2. Mr. Sanjay Bansal, IAS, CEO, KMDA and Project Director, SPMG – Member Convenor.
3. Commissioner of Kolkata Municipal Corporation - Member
4. Commissioner of Howrah Municipal Corporation- Member
5. Commissioner of Siliguri Municipal Corporation- Member
6. CEO of Siliguri Jalpaiguri Development Authority - Member
7. CEO of Asansol Durgapur Development Authority - Member
8. Director State Urban Development Agency - Member
9. Director Water Investigation Directorate - Member
10. Mr. Ujjwal Mukherjee, Chief Scientist, WBPCB - Member.
11. Mr. Biswajit Mukherjee, Chief Engineer, KMDA - Member.
12. The Director, Industries - Member.
13. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Irrigation and waterways department - Member.
14. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Information Technologies & Electronics Department - Member
15. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Forest Department - Member
16. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Public Health Engineering Department. - Member
17. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Micro, Small & Medium Enterprises Department - Member
18. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Health & Family Welfare Department - Member
19. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Water Resources Investigation & Development Department - Member
20. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Urban Development and Municipal Affairs Department - Member
21. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Agriculture Department - Member
22. Representative not below the rank of Joint Secretary , of the Additional Chief Secretary/ Principal Secretary, Panchayat and Rural Development Department – Member
23. Mr. Anirudha Mukherjee, Sr. Engineer, SPMG.(Special Invitee).

The River Rejuvenation Committee, West Bengal will function under the under the overall supervision and coordination of the Additional Chief Secretary, Environment Department, West Bengal.

By Order,

(Signature)

5/3/19

Memo NO:- 1268/BM/19-20.

BE (BKK)
ADJ

Date:- 05/08/2019

REPORT ON PREVENTION OF POLLUTION OF RIVER **Dwarakeswar AND Gandeswari.**

Sl. No.	INDICATORS	Number/Information (to be provided by ULB) as on 01 . 8 .2019
1.	NAME OF ULB	Bankura
2.	POPULATION	
	(a) As per Census 2011	1,37,386
	(b) Present population (as expected)	
	(c) Present number of Households/Doors (no.of family)	31,062
3.	Number of Wards	24
4.	Area within Municipal boundary (please attach a municipal ward map)	Area-1906 SQ.KM.Municipal Map Attached
INFORMATION ON GHATS (ANNEXURE- I)		
5.	Number of ghats identified on river bank	13
6.	Number of ghats where atleast 1 set (one green & one blue) of bins have been placed	Nil
7.	Number of ghats, where no bins have been placed till date	All 13 Ghats
8.	Number of Conservancy staff earmarked for sweeping in and around Ghats	Nil
9.	Whether Ghats are being cleared regularly	No
10.	Number of Ghats with anti-littering messages	Nil
11.	Mode of publicity around ghats	Nil
	Poster/ banner	
	Whether NULM Group were involved	
	Whether any rallies (human change)has been organised.	
	Whether any street play was organised	
	whether any meeting were organised with local or frequent visits of the ghats.	
	Whether any audio visual media were displayed.	
INFORMATION ON NULLAHS/DRAINS (ANNEXURE- II)		
12.	Total number of Nullahs/Drains identified discharging municipal water directly into the river	
	(a) Municipal drains having width upto 4ft. (1.2m)	14
	(b) Municipal drains having width above 4ft. (1.2m)	Nil
	(c) Drains/canals under jurisdiction of Irrigation & Waterways Directorate	2 (Two) Numbers.
	(d) Drains under jurisdiction of different other departments (please specify)	Nil
13.	Number of Nullahs installed with screens so far.	Nil
14.	Number of Nullahs where screens are yet to be installed.	Not Settled
15.	Whether planning of daily cleaning of screen have been checked out. If so number of conservancy staff to be deployed for	NA
MUNICIPAL SOLID WASTE MANAGEMENT		
DUMPSITES & GARBAGE VULNERABLE POINTS		
16.	Whether ULB level Task Force have been formed	Yes
17.	Number of Garbage Vulnerable Points (GVPs) (Garbage heaps found due to littering by the local citizens. These need to be checked and removed immediately, otherwise GVPs may become mini dumpsites)	
18.	Number of dumping sites within 1km of flood banks of the polluted river	Nil

REPORT ON PREVENTION OF POLLUTION OF RIVER Dwarakeswar AND Gandeshwari

Sr. No.	INDICATORS	Number/Information (to be provided by ULB) as on 01 . 8 .2019
19.	Details of land, used for dumping of Municipal Solid Waste (specify the location, mentioning the Dag No., Khatian No. etc., area available and ownership of land)	Plot No-105 JL No-501 Mouza -Keshra ,Area- 16'53 Acre Owner -Bankura Municipality
20.	If no identified land is available for dumping of municipal garbage, whether any land is identified for such reason. If so, please specify the details and ownership of the said land	NA
21.	Whether all plastic products below 50µm and thermocal products has been banned (if yes, attach notification/BOC resolution etc.)	Yes BOC Resolution Attached
22.	Whether meeting with Market Committee, Whole Sellers, Retailers of Carry bags and thermocal products has been held with the ULB	Yes
23.	Whether penalties were imposed against such byers and sellers (if yes, please attach such receipt of penalty, if any).	Attached
24.	Whether list of Bulk Waste Generators have been prepared (if yes, please attach such list)	No
25.	Whether notices has been issued to Bulk waste Generators [Clause No. 4 (6&7) of SWM Rules 2016]	NA
26.	Issuing notice against littering to polluters[Clause No.15 (zf) of SWM Rules 2016]	No
27.	Identification of sites for the public toilets near the ghat and preparation of plan and estimate.	No
28.	Whether list of Rag Pickers have been prepared (if yes, please attach such list)	Yes Ward wise list Attached
29.	Present status of Door to Door collection (specify number of wards)	7 wards -Partly
30.	Present status of Segregation of waste at source (specify number of wards)	Nil
31.	Present status of Vehicles and equipments (details to be given in seperate sheet at ANNEXURE- III)	Attached
32.	Whether any Vehicle or Equipment is lying unutilized (details may be provided in seperate sheet)	1.One Hydralic dumper truck 2.TwoHydralic Tipper
SEWAGE TREATMENT PLANT (ANNEXURE- IV)		
33.	Whether there is any Sewage Treatment Plant (STP) (Y/N)	No
	(a) If yes, please specify capacity of the STP/s	NA
	(b) Specify the location of STP and jurisdiction	NA
	(c) Specify whether the STP is functioning or abandoned	NA
	(d) Proposed STP (if any) (specify capacity and modus operandi)	Nil

(Signature)
5/8/19

Executive Officer/Chairman, Chairman, Municipal Administrator
Bankura Municipality

Mey 07.08.19
Chairman
Bankura Municipality

Enclosures: -

1. Annexure - I + IV .
2. Ward Map
3. BOC Meeting Resolution regarding Plastic waste.
4. List of Raggpickers (ward wise).

Annexure-I

Detailed Information regarding Cleanliness of Ghats on River Dwarakeswar within the ULB's jurisdiction

Sl. No.	Name of Ghat	Ward No. & Location	Whether Anti Littering Messages Displayed in the Ghat (Yes/No)	If no, timeframe for putting anti-littering messages in the Ghat	Whether minimum 1 set (1 green & 1 blue) Littering Bin is placed in the Ghat (Yes/No)	If yes, number of bins provided in the Ghat (with colour)	If no, Timeframe for putting 1 set of bins in the Ghat	Whether regular cleaning and sweeping of the Ghatare being done (Yes/No)	If no, please specify the reason	Remarks (if any)
1	Lokepur Sasan	13	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
2	Rajagram Pump House	14	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
3	Rajagram Simultala	14	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
4	Kankata Nadighat	16	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
5	Minapur Sasan	17	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
6	Patpur Namopara	17	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
7	Patpur Power House	17/18	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
8	Kethardanga Bagdipara	19	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
9	Patakala Pump House	19	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session
10	Railway Pump House	23	No	Not Settled	No	NA	Not Settled	No	Not used Massly	Cleaned during festive session

Annexure-II
- Detailed Information regarding drains discharging municipal waste water directly into the river Dwarakeswar within the ULB's jurisdiction .

Sl. No.	Name of Drain	Ward No. & Location	Jurisdiction (ULB/Irrigation/Other department)	Whether Screen Installed for arresting the Municipal Solid Waste. (Yes/No)	If Yes, whether the screen is permanent/ temporary (please specify)	If no, target date for installation of screen	Whether the screens are being cleaned regularly	If no, timeframe for Future Action Plan Implementation
1	No Name	13	ULB	No	NA	Not Settled	NA	Not Settled
2	No Name	14	ULB	No	NA	Not Settled	NA	Not Settled
3	No Name	14	ULB	No	NA	Not Settled	NA	Not Settled
4	No Name		ULB	No	NA	Not Settled	NA	Not Settled
5	No Name	17	ULB	No	NA	Not Settled	NA	Not Settled
6	No Name	17	ULB	No	NA	Not Settled	NA	Not Settled
7	No Name	17/18	ULB	No	NA	Not Settled	NA	Not Settled
8	No Name	19	ULB	No	NA	Not Settled	NA	Not Settled
9	No Name	19	ULB	No	NA	Not Settled	NA	Not Settled
10	No Name	23	ULB	No	NA	Not Settled	NA	Not Settled

Annexure-III
Detailed Information regarding existing equipments and vehicles used for managing solid waste within the ULB's jurisdiction .

Sl. No.	Name of the Equipment & vehicle	Specification/Dimensions	Nos.	Condition of Equipment/Vehicle	Whether in use/Lying idle
1	Household Bins		Nil		
2	Community Bins		Nil		
3	Tricycle Van		Nil		
4	Small auto-tipper		2	New	
5	Refuse trailer / Tractor Trailor		2	Running	Lying Idle Usad
6	Dumper		1	New	Lying Idle
7	Stationary compactor		Nil		
8	Movable compactor		2	Running	Usad
9	Tractor		2	Running	Usad
10	Cesspool		1	Running	Usad
11	Back-hoe loader		Nil		
12	Others (please specify) Truck		3	Running	Usad

Annexure-IV

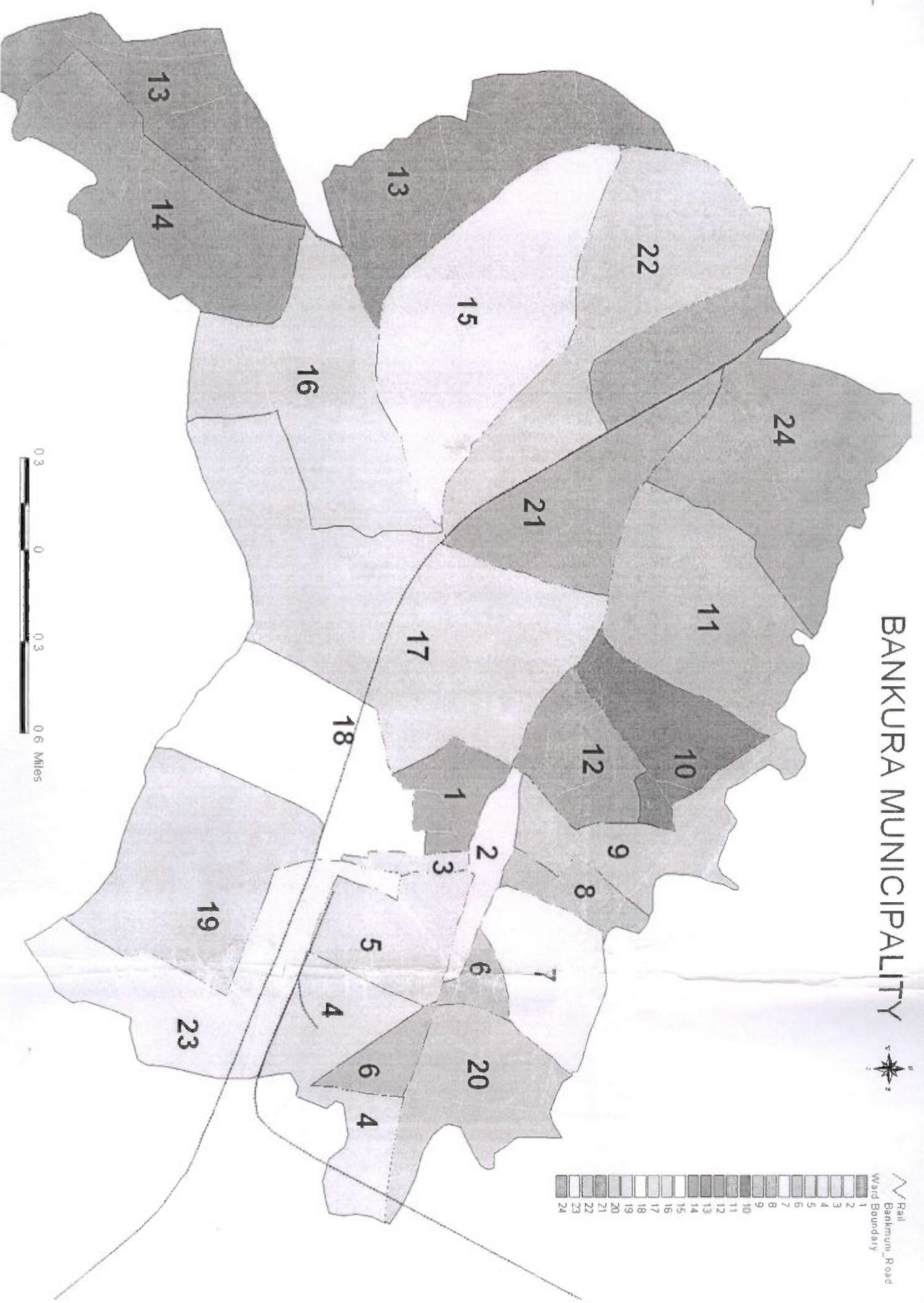
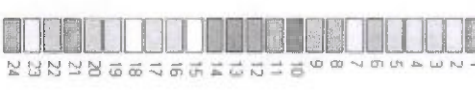
-Detailed Information regarding existing Sewage Treatment Plants (STPs)/Effluent Treatment Plants (ETPs)/Common Effluent Treatment Plants (CETPs) within the municipal area- Not Applicable

Sl. No.	Name of the STP/ETP/CETP	Exact Location	Capacity	Technology	Run by	Whether operational (Yes/no)	If no, future action plan for operationalisation of the Plant
1							
2							
3							
4							

BANKURA MUNICIPALITY



⌄ Rail
⌄ Bankmuri Road
⌄ Ward Boundary



বাকুড়া পুরসভা

বাকুড়া পুরসভার গত ২৯/১১/২০১৬ তারিখে বৈকাল ৪.০০ ঘটিকায় অনুষ্ঠিত পুরসদস্যগণের আগষ্ট ও সেপ্টেম্বর মাসের মাসিক সভার সিদ্ধান্ত।

উপস্থিত সদস্য ও সদস্যদের নাম।

- ১। শ্রী মহাপ্রসাদ সেনগুপ্ত। - পৌর প্রধান
- ২। শ্রী দিলীপ কুমার আগরওয়াল। - উপ-পৌর প্রধান
- ৩। শ্রী অভিজীৎ দত্ত
- ৪। শ্রীমতি রেখা দাসরজক (আচার্য)
- ৫। অলকা সেন মজুমদার।
- ৬। মমতা বাপ্দী।
- ৭। পিংকি চক্রবর্তী।
- ৮। হীরালাল চট্টরাজ।
- ৯। ভ্রমর চক্রবর্তী।
- ১০। দেবশীষ লাহা।
- ১১। জিতেন্দ্রনাথ দে।
- ১২। লক্ষী মাল।
- ১৩। প্রদীপ দাস।
- ১৪। অনন্ত গরাই।
- ১৫। রাজু বাউরী।
- ১৬। স্বরূপ সেন।
- ১৭। বিশুজীৎ দাস।
- ১৮। রাধা রানী ব্যানার্জী।
- ১৯। আজিজুল রহমান
- ২০। তনুশ্রী সিদ্দাল (ঘোষ)
- ২১। অন্যান্য রায় (চক্রবর্তী)।
- ২২। রুমা চক্রবর্তী।

সভার শুরুতে বিগত সভার পর থেকে এই সভার সময় কালের মধ্যে কাউন্সিলার নীলাদ্রী শেখর দানা মহাশয়ের মা এছাড়াও দেশে ও বিদেশে যে সমস্ত মনিষী এবং গুণীজন পয়ত হয়েছেন তাঁদের স্মৃতির প্রতি শ্রদ্ধা জানিয়ে ১ (এক) মিনিট নীরবতা পালন করা হল।

১। বিগত ২৯/৯/২০১৬ তারিখে বৈকাল ৪.০০ ঘটিকায় অনুষ্ঠিত বিশেষ জরুরী সভার সিদ্ধান্ত পঠিত ও সর্বসম্মতিক্রমে অনুমোদিত হল।

২। ভবিষ্যনিধির দায়িত্ব প্রাপ্ত করনিকের বাকুড়া পুর সভার স্থায়ী ও অবসর প্রাপ্ত কর্মচারীদের পি.এফ. এর অগ্রিম ও ফাইনাল পাওনা সংক্রান্ত রিপোর্ট সভায় আলোচনা হল এবং এই বিষয়ে নিম্নলিখিত পৌর কর্মচারীদের আইন মোতাবেক অর্থপ্রদানের সিদ্ধান্ত গৃহীত হল।

ক) সুভাষ চন্দ্র ভূঁই	- ২,৩৪,৬৪৩.০০ টাকা
খ) শ্রীকান্ত রাউত	- ১,৬৯,৫৪৮.০০ টাকা
গ) নিরঞ্জন ডোম	- ৩৭,০০০.০০ টাকা
ঘ) মদন গরাই	- ৫০,০০০.০০ টাকা

বোর্ডে সভা প্রস্তাবটি অনুমোদন করেন এবং এই সংক্রান্ত সমস্ত দায়িত্ব পৌর প্রধানের উপর ন্যস্ত করেন।

৭। বাঁকুড়া পৌর সভায় ধূমপান নিয়ে আলোচনা

৮। N.U.H.M প্রকল্পে বাঁকুড়া মৌজার মধ্যে জে এল নম্বর ২১১, প্লট নম্বর ৮৫০, ৮৫১ এল.আর ৮০৯৪, ৮০৯৫, ৮০৯৬ দশের বাঁধ এর পাড়ে হাসপাতাল (স্বাস্থ্য কেন্দ্র) করার সিদ্ধান্ত গ্রহন করা হল। বর্তমানে উক্ত জায়গাটি মালিকানা রাজ্য সরকার এর নিকট থেকে পৌর সভার নিকট হস্তান্তরিত করার বিষয়ে প্রয়োজনীয় পদক্ষেপের জন্য পৌর প্রধান মহাশয়কে সমস্ত দায়িত্ব অর্পন কর হল।

৯। Govt. of West Bengal. Finance Deptt., Audit Br. এর Memo No. 3975-F (Y), Dt. 28/07/2016 অনুযায়ী বাঁকুড়া পৌর এলাকায় উন্নয়ন এর কাজের দরপত্র ই-টেন্ডার এর মাধ্যমে গ্রহনের ক্ষেত্রে Earnest Money জমা সরাসরি পৌর সভার ব্যাঙ্ক অ্যাকাউন্ট-এ করতে হবে। এই মর্মে ইউনিয়ন ব্যাঙ্ক বাঁকুড়া শাখায় একটি অ্যাকাউন্ট খোলার সিদ্ধান্ত গ্রহন করা হল।

১০। বাঁকুড়া পৌর এলাকায় প্লাস্টিকের ব্যবহার নিয়ন্ত্রনের জন্য Plastic Waste Management Rule-2016 অনুযায়ী আগামী ১লা জানুয়ারী ২০১৭ থেকে পরিবেশ দূষণ রোধে অনুপোষুক্ত মানের ক্যারিবি্যাগ, প্লাস্টিকের গ্লাস, কাপ, খার্মকলের থালা-বাটি গ্লাস ইত্যাদির ব্যবহার নিয়ন্ত্রন করার সিদ্ধান্ত নেওয়া হল এবং এই কাজের জন্য পৌর প্রধানকে সমস্ত রকম ব্যবস্থা গ্রহনের জন্য অনুরোধ করা হল।

১১। West Bengal Urban Employment Scheme-এর অধীনে ২৪টি ওয়ার্ডে যে সংখ্যক শ্রমিক, কাউন্সিলার প্রতিনিধি এবং পৌরস্তরে দুইজন কাউন্সিলার প্রতিনিধিকে যেভাবে তাদের জন্য নির্ধারিত দৈনিক মজুরীর ভিত্তিতে কাজে লাগানো হচ্ছে ঠিক একইভাবে আগামী জানুয়ারী ২০১৭ থেকে ডিসেম্বর ২০১৭ পর্যন্ত তাদের কাজের মেয়াদ বাড়ানোর সিদ্ধান্ত নেওয়া হল।

১২। ODF (Open Defecation Free) প্রকল্প অনুযায়ী যে তিন ধরনের Latrine তৈরী করতে হবে তার মধ্যে IHHL এর জন্য ইতিমধ্যেই সমীক্ষার কাজ হয়ে গেছে। কিন্তু প্রয়োজন অনুযায়ী ওয়ার্ড গুলিতে Community Latrine ও Public Latrine তৈরী করার স্থান নির্বাচনের জন্য কাউন্সিলার-দের নিকট অনুরোধ রাখা হয়।

১৩। এই সভার Indian Bank, Bankura Branch(Nutanchati) একটি Saving Account খোলার সিদ্ধান্ত সর্বসম্মতিক্রমে গৃহীত হল।

মহাপ্রসাদ সেনগুপ্ত

পৌর প্রধান

বাঁকুড়া পৌরসভা

২৯/১১/২০১৬

BANKURA MUNICIPALITY



MISCELLANEOUS RECEIPT

No. : 9501

Date 11.11.19

RECEIVED From

Raju Dangar

Maharaja

the sum of Rupees

Five hundred only

on account of Use of plastic below 50 million for trees

Rs. 500 P.

Cashier


Vice-Chairman
BANKURA MUNICIPALITY





BANKURA MUNICIPALITY

MISCELLANEOUS RECEIPT

No. : 9508

Date 29/1/18

RECEIVED From Joydeb Das

officer of Head Post office

the sum of Rupees five hundred only

on account of Dsc of below 50 micron Plastic for
line

Handwritten signature and date
29.01.18

Rs. 500/-

P.

Cashier

Handwritten signature
Vice-Chairman
BANKURA MUNICIPALITY