Government of West Bengal
Department of Environment

Prani Sampad Bhawan,5th Floor,LB-2,Sec-III, Saltlake City, Kolkata-106

No. EN/106/3C-01/2019 Dated, Kolkata 27th July, 2020

From :: Shri Vivek Kumar, IAS
Principal Secretary
Govt. of West Bengal

To :: Shri D.P.Mathuria
Executive Director – Technical
National Mission for Clean Ganga
1st Floor, Major Dhyan Chand National Stadium
India Gate, New Delhi-110002

Sub: Monthly Progress Report – July, 2020

Sir,
Enclosed please find the present status report in respect of polluted river stretches in the State of West Bengal as per your prescribed proforma.

This is for your information and necessary action.

Yours faithfully

Principal Secretary
Department of Environment

Monthly Progress Report Regarding Polluting River Stretches for the Month of June, 2020 (Regarding O.A. No 673/2018)

(July 2020)

Activity to be monitored Timeline Compliance status	River Ganga	River Churni
1. Ensure 100% treatment of sewage atleast in-situ remediation Timeline: 31.03.2020	55 drains have been identified. Out of 55 drains, 33 Drains are either connected or proposed to be connected to different STPs. For remaining 22 drains, as per the CPCB guidelines (published in Feb. 2020), the feasibility of the work in these channels will be completed by February 2021 taking into consideration of COVID-19 Pandemic and the ensuing monsoon period. **KMC** **Dhankhetikhal** is having tidal effect. Bio/Phyto remediation is not feasible. **Tolly'sNullah:**Bioremediation will not be taken up as it is under tidal regime.	2 (Two) nos. of drains discharging maximum mixed wastewater have been identified at Ranaghat Municipal Town for interim measures- 1. Sreenathpur 2. BaskoKhal ➢ Tender for Bio/Phyto - remediation work for these drains have been finalized. ➢ Work Order has been issued to the selected bidder on 25.06.2020.The Work has been started. Likely completion time December 2020.
2. Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured Timeline: 31.03.2020	**Total STPs in different phases of execution under KMDA-33** **(1) Total no of operational STPs:16** (i) Total no of fully operational STPs:7 (ii) Total no of partially operational STPs (Presently undergoing renovation and likely to become fully functional by May 2021) : 9 **(2) Total no of new under construction STPs : 5** (i) 4nos of STPs are likely to be completed by December 2020. (ii) 1 no of STP likely to be completed by November 2021. **(3) Total no of STPs presently non**	DPR prepared. Administrative approval and financial sanction accorded by GoWB.First call tender was invited. But no bidders have participated in the first call. Hence the second call of the tender has been invited on 26.06.2020. Last date of submission 24th July, 2020.

	functional but under renovation: 6 (i) 4 nos of STPs are likely to be completed by March 2021. (ii) 2 nos of STPs are likely to be completed by June 2021. **(4) New STPs undertaken under HAM model (Likely date of completion is 24 month from commencement) : 3** Concession Agreement signed on 5th June 2019 between KMDA, NMCG and the Concessionaire and the work will be started after financial closure by the Concessionaire which is in progress under supervision of NMCG) **(5).Newly approved STP under tendering stage: 1** **(Mahestala:** Last date of bid submission under HAM Model 31st July, 2020) **(6) STP under DPRs stage: 2** **(Hooghly Chinsura** and **North-Barracpore:**DPRs have been submitted to NMCG for approval) **STPs Under KMC Jurisdiction** **1) Kolkata Environmental Improvement Investment Programme (KEIIP)** a) 3 nos. of STPs at Rajpur-Sonarpur, Near WBSETCL Joka and At Bank plot M.G road. Timeline:by 2022. b) The timeline for proposed 1 no. STP for Borough-XII [Wd-108,109(part), 110] is not yet finalized. **2) Tollys' Nullah RehabilitationProject,KMC** a) 3 nos. of STPs at Police Telecom Department Land near Wireless Park,Near Golf Garden, Sukhapukur and Near KaviNazrul Metro Station, Birji Road. Timeline: 30month forcapital works from date ofcontractagreement & 15years O&Mfromcommercialoperationdate. **3) Municipal Waste Water Project,**	

	KMC a) 3 nos. STPs at STP Near LS 10, STP Near at SurinaamGhat, DhankhetiNikashi and STP Near BhangaKhal, Garden reach area. Time line: 52month forcapital works&10yearsO&M. **STPs Under PHED Jurisdiction** **Total nos. of STPs-6** **1)** 4 nos. are operational STPs and 2) 2 nos are non-operational.	
3. Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning Timeline: 31.03.2021	31.12.2023	Proposed STPs - 1] 4 MLD STP (with SBR Technology) at Sreenathpur. 2] 5.2 MLD STP (with SBR Technology)at Chaitanyaghat 3] 2.6 MLD STP (with SBR Technology)at Silver Jubliee Road Timeline of completion : 31.12.2023
4. Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose Timeline: 22.01.2020 • Monitoring at state level must take place Timeline: Fortnightly commencing 21.12.2019	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been formed. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.
5. Progress report may be furnished by the state/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Progress report was sent on 26.06.2020.	Progress report was sent on 26.06.2020.

6. Progress Report may be comprised of details along with completion time line on :		
i. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment	DhankhetiKhal, Tolly'sNullah&ChitpurGhat/ Circular Canal are amongst the 56 priority drains discharging to river Ganga.	2 (Two) nos. of drains discharging maximum mixed wastewater have been identified at Ranaghat Municipal Town for interim measures - 1. Sreenathpur 2. BaskoKhal ➢ Tender for Bio/Phyto - remediation work for these drains have been finalized. ➢ Work Order has been issued to the selected bidder on 25.06.2020. The Work has been started. Likely completion time December 2020.
ii. <u>Status of STPs, I&D and sewerage networks</u> Details of existing infrastructure, Gap Analysis, Proposed treatment facilities along with completion timeline	**<u>KMDA</u>** **<u>(A) Total STPs in different phases of execution under KMDA-33</u>** **(1) Total no of operational STPs:16** (i) Total no of fully operational STPs:7 (ii) Total no of partially operational STPs (Presently undergoing renovation and likely to become fully functional by May 2021) : 9 **(2) Total no of new under construction STPs : 5** (i) 4 nos of STPs are likely to be completed by December 2020. (ii) 1 no of STP likely to be completed by November 2021. **(3) Total no of STPs presently non functional but under renovation: 6** (i) 4 nos of STPs are likely to be completed by March 2021. (ii) 2 nos of STPs are likely to be completed by June 2021. **(4) New STPs undertaken under HAM model (Likely date of completion is 24 month from commencement) : 3**	Present Sewage generation = 10.14 MLD Projected Sewage Generation =11.6 (2035) Proposed capacity of STP = 11.8 MLD Proposed capacity of STP = 11.80 MLD (Under tendering stage) with Interception & Diversion network in Ranaghat Municipal Town.

	Concession Agreement signed on 5th June 2019 between KMDA, NMCG and the Concessionaire and the work will be started after financial closure by the Concessionaire which is in progress under supervision of NMCG) **(5).Newly approved STP under tendering stage: 1** **(Mahestala:** Last date of bid submission under HAM Model 31st july 2020) **(6) STP under DPRs stage: 2** **(Hooghly Chinsura** and **North-Barracpore:** DPRs have been submitted to NMCG for approval) **(B) GAP Analysis:** (i) Total sewage Generated as per 2011 (MLD) : 534.19 (ii) Processed/ Treated (MLD): 543.33 (iii) Total treatment capacity Gap in MLD : **Nil** for KMDA **KMC** **(A) Total STPs in different phases of execution under KMC:** **1) Kolkata Environmental Improvement Investment Programme (KEIIP)** a) 3 nos. of STPs at Rajpur-Sonarpur, Near WBSETCL Joka and At Bank plot M.G road. Timeline: by 2022. b) The timeline for proposed 1 no. STP for Borough-XII [Wd-108,109(part), 110] is not yet finalize. **2) Tollys' Nullah Rehabilitation Project,KMC** a) 3 nos. of STPs at Police Telecom Department Land near Wireless Park,Near Golf Garden, Sukhapukur and Near KaviNazrul Metro Station, Birji Road. Timeline: 30month forcapital works	

	from date ofcontractagreement & 15years O&Mfromcommercialoperationdate. **3) Municipal Waste Water Project, KMC** a) 3 nos. STPs at STP Near LS 10, STP Near at SurinaamGhat, DhankhetiNikashi and STP Near BhangaKhal, Garden reach area. Time line: 52month forcapital works&10yearsO&M. **(B) GAP Analysis:** i)Total sewage Generated (MLD) : 1400 ii) Processed/ Treated (MLD): 1376.06 For KMC –23.94 MLD **STPs Under PHED Jurisdiction** **Total nos. of STPs-6** **1)** 4 nos. are operational STPs and 2) 2 nos are non-operational.	
iii. Status of CETPs Details of existing CETP and ETP infrastructure, Gap analysis, proposed along with completion timeline, No. of industries and complying status		Survey work for identification of water polluting industries is being taken up.
iv. Status of solid waste management & details of processing facilities Details of existing infrastructure, Gap analysis, proposed facilities along with completion time line	**KMC** Entire MSW generated is collected. MSW is processed in Centralised Compost Plant of capacity 500 TPD and Decentralized Organic Waste Composter of capacity 600kg/day. **SUDA** Town wise Total waste generation is in 40 nos. of GANGA town is 8445.6 TPD. **Ward-wise Status of SWM** Total No. of ward = 1191	D 2 D collection of solid waste is expected to be achieved within March 2020. Waste segregation at source is expected to be achieved within Octo.2020 Present generation of waste in town is 26 TPD. Establishment of waste processing facility including SLF for town will be completed following the

	Wards with D2D Collection = 1137 % Wards with D2D Collection = 95	timeframe as stipulated in Rule 22 of SWM Rule 2016
v. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river	BOD = 2.90 mg/l FC=70000 MPN/100 ml At Dakshineswar (Jun. 2020)	BOD = 6.00 mg/l FC=13000 MPN/100 ml At Ranaghat (Jun. 2020)
vi. Preventing dumping of waste and scientific waste management including biomedical wastes, plastic wastes and decentralizing waste processing, including generated from hotels, ashrams etc.	Bio-medical waste. • KMC health Department-generate Bio-Medical Waste are already being disposed regularly from each of the Health Units by the Licensed CBMWTSDF (Common Bio-medical Waste Treatment,storage and Disposal Facilities). • Preventing dumping of waste and scientific waste management including plastic waste and decentralizing waste processing including waste generated from hotels, ashrams, etc.	One common BMW treatment facility is in operation.
vii. Ground water regulation	**SWID** **1)** Installation of Water Meter with telemetry system at industrial Tube Wells for monitoring of real-time GW withdrawal is in progress. **2)** Implementation of Real-Time GW Level monitoring system is in progress. **KMC** Present water supply under KMC jurisdiction – Treated surface water – 94% Ground water – 6%	**SWID** **1)** Water meter without telemetry system is installed at industrial tubewell. **2)**Physio-chemical quality of Ground Water (GW) samples collected from GW monitoring nullahs during pre-monsoon and post monsoon period is tested every year . Scheme on Ground water recharge pit have been taken up by P&RD targeted timeline Feb,2021.
viii. Adopting good irrigation practices	Present status 33% (Achieved)	Present status 33% (Achieved)
ix. Protection and management of Flood Plain Zone	In left bank, 0.135 km bank protection work of Rs.2.61 Crore is completed and Proposed Time Targets for compliance of	Protection to the eroding right bank of river Churni of Rs. 1.56 Crore is in Approval stage and Proposed

	1.045 km bank protection work of Rs.14.01 Crore will be 2021-22. In right bank, 0.66 km bank protection work of Rs.4.64 Crore is completed and 0.24 km. bank protection work of Rs. 1.56 Crore is 75% completed.	Time Targets for compliance will be 31.03.21. Scheme on Embankment protection work have been taken up by P&RD and targeted timeline Feb,2021.
x. Rain water harvesting	Out of 102 nos. RWHS, 25 nos. have already been completed. The remaining are in progress. The project has been undertaken jointly by WBPCB and P& RD Dept. under MGNREGA.	Scheme on Rain water harvesting structure have been taken by P&RD and the targeted timeline Feb,2021
xi. Maintaining minimum environmental flow of river	The river is a perennial river. The environmental flow is maintained through the release from Farakka barrage throughout the year.	Hanskhali, Krishnaganj and Ranaghat - 0.5 KM bank protection work to prevent erosion of the right bank at Bapujinagar GP, Hanskhali Nadia which will help to maintain e-flow. Proposed timeline : 31-3-2021 (estimation stage)
xii. Plantation on both sides of the river	Advance work (raising of seedlings) started in January 2020 and will continue upto June 2020 This project is implemented by **Forest Dept**. Beside Plantation made are 11,922 in 2019 in KMC area, total number of shrubs and hedges planted in different gardens and parks is about 20,000. During the ongoing monsoon of 2020 KMC has Planned to plant about 50000 saplings at different part of the city to compensate the Loss of greenery due to the Cyclonic storm UMPHAN in the city. As of now about 500 saplings have been planted and the process of plantation is going on. Plantation vetiver grasses on the river bank and Tree plantation in the catchment area taken up by P&RD	Plantation schemes at block, canal side and IBS have been done in a massive way and executed by P&RD

xiii. Setting up biodiversity parks on flood plains by removing encroachment	4 nos. of Bio Diversity park of total area 4309 sqm has been setup under Rajibpur, BhaduraHaridas,Kalatalahat and Nurpur Gram Panchayet.This report obtained from P&RD.	1 no of scheme on Bio Diversity park under Nadia district from MGNREGA. This report obtained from P&RD. Targeted timeline: Feb, 2021.

Monthly Progress Report on 8 Non Ganga River Stretches

For Municipal Engineering Dte. **Progress as on :30.06.2020**

Activity to be monitored Timeline Compliance status	River Silabati	River Dwarekeswar	River Kaljani	River Karola
1. Ensure 100% treatment of sewage atleast in-situ remediation Timeline: 31.03.2020	Primary treatment will be completed by 31.03.2021	Primary treatment will be completed by 31.03.2021	Primary treatment will be completed by 31.03.2021	Primary treatment will be completed by 31.03.2021
2. Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured Timeline: 31.03.2020	Primary treatment will be sufficient as BOD level is 2.95 mg/l (Jan. 2020)	Primary treatment will be sufficient as BOD level is 2.95 mg/l (Jan. 2020)	Primary treatment will be sufficient as BOD level is 1.40 mg/l (Jan. 2020)	Primary treatment will be sufficient as BOD level is 1.20 mg/l (Jan. 2020)
3. Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning Timeline: 31.03.2021				
4. Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose Timeline: 22.01.2020 • Monitoring at state level must take place Timeline: Fortnightly commencing 21.12.2019	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.
5. Progress report may be	Progress report was sent on	Progress report was sent on	Progress report was sent	Progress report was sent

furnished by the state/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	26.06.2020.	26.06.2020.	on 26.06.2020.	on 26.06.2020.
6. Progress Report may be comprised of details along with completion time line on :				
i. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment	Primary treatment for Ghatal for river Silabati by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 4 nos. of drains is proposed. 3rd call opening date- 02/07/2020, tender expected to be finalized by August-2020.	Primary treatment for Bankura for river Dwarkeswar by providing screens, sedimentation tank followed by disinfection by chlorination at out falls of 13 nos. of drains Is proposed.3rd call opening date- 02/07/2020, tender expected to be finalized by August-2020.	Primary treatment for Alipurduar for river Kaljani by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 18 nos. of drains is proposed. Acceptance issued on 19/06/2020, work to be started shortly.	Primary treatment for Jalpaiguri for river karola by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 4 nos. of drains is proposed. Acceptance issued on 19/06/2020, work to be started shortly.
ii. <u>Status of STPs, I&D and sewerage networks</u> Details of existing infrastructure, Gap Analysis, Proposed treatment facilities along with completion timeline				
iii. <u>Status of CETPs</u> Details of existing CETP and ETP infrastructure, Gap analysis, proposed along with completion timeline, No. of industries and complying status				
iv. <u>Status of solid waste management & details of processing facilities</u> Details of existing infrastructure, Gap analysis, proposed facilities along with completion time line	D 2 D collection of solid waste is expected to be achieved within January 2021. Waste segregation at source is expected to be	D 2 D collection of solid waste is expected to be achieved within January 2021. Waste segregation at source is expected to be	D 2 D collection of solid waste is expected to be achieved within January 2021. Waste segregation at source is expected to be	D 2 D collection of solid waste is expected to be achieved within January 2021. Waste segregation at source is expected to be

	achieved within March 2021. Present generation of waste in town is 28 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016	achieved within March 2021. Present generation of waste in town is 65 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016	achieved within March 2021. Present generation of waste in town is 22 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016	achieved within March 2021. Present generation of waste in town is 40 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016
v. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river	BOD = 1.10 mg/l FC=4600 MPN/100 ml At Ghatal (Jun. 2020)	BOD = 2.80 mg/l FC=2700 MPN/100 ml At Bankura (Jun. 2020)	BOD = 1.70 mg/l FC=7000 MPN/100 ml At Alipurduar (Jun. 2020)	BOD = 1.40 mg/l FC=5000 MPN/100 ml At Jalpaiguri (Jun. 2020)
vi. Preventing dumping of waste and scientific waste management including biomedical wastes, plastic wastes and decentralizing waste processing, including generated from hotels, ashrams etc.	BMW reaches to common BMW facility.	BMW reaches to common BMW facility.	BMW reaches to common BMW facility.	BMW reaches to common BMW facility.
vii. Ground water regulation	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB
viii. Adopting good irrigation practices	Bank protection work is running.	Bank protection work is running.	Bank protection work is running.	Bank protection work is running.
ix. Protection and management of Flood Plain Zone				
x. Rain water harvesting	Included in Municipal Building Byelaws	Included in Municipal Building Byelaws	Included in Municipal Building Byelaws	Included in Municipal Building Byelaws
xi. Maintaining minimum				

environmental flow of river				
xii. Plantation on both sides of the river	Forestry development will be taken up.	Forestry development will be taken up.	Forestry development will be taken up.	Forestry development will be taken up.
xiii. Setting up biodiversity parks on flood plains by removing encroachment	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.

Monthly Progress Report on 8 Non Ganga River Stretches

For Municipal Engineering Dte. **Progress as on :30.06.2020**

Activity to be monitored Timeline Compliance status	River Kansi	River Mayurakshi	River Rupnarayan	River Jalangi
1. Ensure 100% treatment of sewage at least in-situ remediation Timeline: 31.03.2020	Primary treatment will be completed by 31.03.2021	Primary treatment will be completed by 31.03.2021	Primary treatment will be completed by 31.03.2021	Primary treatment will be completed by 31.03.2021
2. Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured Timeline: 31.03.2020	Primary treatment will be sufficient as BOD level is 2.90 mg/l (Jan. 2020)	Primary treatment will be sufficient as BOD level is 1.45 mg/l (Jan. 2020)	Primary treatment will be sufficient as BOD level is 2.45 mg/l (Jan. 2020)	Primary treatment will be sufficient as BOD level is 2.65 mg/l (Jan. 2020)
3. Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning Timeline: 31.03.2021				
4. Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose Timeline: 22.01.2020 • Monitoring at state level must take place Timeline: Fortnightly commencing 21.12.2019	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.
5. Progress report may be	Progress report was sent on	Progress report was sent on	Progress report was sent	Progress report was sent

furnished by the state/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	26.06.2020.	26.06.2020.	on 26.06.2020.	on 26.06.2020.
6. Progress Report may be comprised of details along with completion time line on :				
i. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment	Primary treatment for Midnapore for river Kansi by providing screens, sedimentation tank, followed by disinfection by chlorination at out falls of 2 nos. of drains (although 26 nos. of drains are very small out of 28 nos. identified) is proposed. 3rd call opening date- 29/06/2020, tender expected to be finalized by August-2020.	Primary treatment for river by providing screens, aeration followed by disinfection by chlorination at out falls of 12 nos. of drains and 14 nos. at Santhia Is proposed.2nd call opening date-26/06/2020, tender expected to be finalized by August-2020.	Primary treatment for river by providing screens, sedimentation tank followed by disinfection by chlorination at out falls of 4 nos. of drains is proposed.3rd call opening date-29/06/2020, tender expected to be finalized by August-2020.	Primary treatment for river by providing screens, aeration followed by disinfection by chlorination at out falls of 8 nos. of drains is proposed. 4th call opening date-22/07/2020, tender expected to be finalized by August-2020.
ii. Status of STPs, I&D and sewerage networks Details of existing infrastructure, Gap Analysis, Proposed treatment facilities along with completion timeline				
iii. Status of CETPs Details of existing CETP and ETP infrastructure, Gap analysis, proposed along with completion timeline, No. of industries and complying status				
iv. Status of solid waste management & details of processing facilities Details of existing infrastructure,	D 2 D collection of solid waste is expected to be achieved within January 2021.	**Sainthia** D 2 D collection of solid waste is expected to be achieved within	D 2 D collection of solid waste is expected to be achieved within January 2021.	D 2 D collection of solid waste is expected to be achieved within January 2021.

Gap analysis, proposed facilities along with completion time line	Waste segregation at source is expected to be achieved within March 2021. Present generation of waste in town is 114 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016	January2021. Waste segregation at source is expected to be achieved within March 2021. Generation of waste in town is 27 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016 **Suri** D 2 D collection of solid waste is expected to be achieved within January 2021. Waste segregation at source is expected to be achieved within March 2021. Generation of waste in town is 47 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016	Waste segregation at source is expected to be achieved within March 2021. Present generation of waste in town is 54 TPD. Establishment of waste processing facility including SLF for the town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016	Waste segregation at sources expected to be achieved within March 2021. Present generation of waste in town is 154 TPD. Establishment of waste processing facility including SLF for town will be completed following the timeframe as stipulated in Rule 22 of SWM Rule 2016
v. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river	BOD = 1.10 mg/l FC=7000 MPN/100 ml At Midnapur (Jun. 2020)	BOD = 2.05 mg/l FC=1700 MPN/100 ml At Suri (Jun. 2020)	BOD = 1.30 mg/l FC=9400 MPN/100 ml At Kolaghat (Jun. 2020)	BOD = 6.00 mg/l FC=5000 MPN/100 ml At Krishnanagar (Jun. 2020)
vi. Preventing dumping of waste and scientific waste	BMW reaches to common BMW facility.	BMW reaches to common BMW facility.	BMW reaches to common BMW facility.	BMW reaches to common BMW facility.

management including biomedical wastes, plastic wastes and decentralizing waste processing, including generated from hotels, ashrams etc.				
vii. Ground water regulation	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB
viii. Adopting good irrigation practices	Bank protection work is running.	Bank protection work is running.	Bank protection work is running.	Bank protection work is running.
ix. Protection and management of Flood Plain Zone				
x. Rain water harvesting	Included in Municipal Building Byelaws	Included in Municipal Building Byelaws	Included in Municipal Building Byelaws	Included in Municipal Building Byelaws
xi. Maintaining minimum environmental flow of river				
xii. Plantation on both sides of the river	Forestry development will be taken up.	Forestry development will be taken up.	Forestry development will be taken up.	Forestry development will be taken up.
xiii. Setting up biodiversity parks on flood plains by removing encroachment	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.

Monthly Progress Report as on 30.06.2020

Activity to be monitored Timeline Compliance status	River Vidyadhari	River Dwarka	River Mathabhanga
1. Ensure 100% treatment of sewage atleast in-situ remediation Timeline: 31.03.2020	Bio/Phyto remediation is not possible since it is a tidal river.	Bio/ Phyto remediation is not necessary.	Trans-boundary ingress of pollutants from a sugar mill namely Darshana Sugar Mill in Kusthia, Bangladesh.The issue is being dealt at the level of International Joint River Commission between Bangladesh and India.
Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STP must be ensured Timeline: 31.03.2020	STP work of 24 MLD capacity in New Town was started in August 2016	Sewerage Network : February 2018 Construction of STP : February 2020	Not applicable
2. Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning Timeline: 31.03.2021	(a) New Town-Rajarhat - 24 MLD STP to be completed and commissioned by 30/06/2020. (b) Proposed Borobaro STP by KEIIP - 70 MLD, DPR is under preparation by KEIP. (c) 4 module CETP of 5 MLD capacity each, Total 20 MLD to be completed by KMC (d) Proposed STP at Ghusighata of 170 MLD.	May 2021	Not applicable
3. Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose Timeline: 22.01.2020 • Monitoring at state level must take place	Environment Monitoring Cell at the office of the Chief Secretary has been formed. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been formed. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	Environment Monitoring Cell at the office of the Chief Secretary has been formed. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.

Timeline: Fortnightly commencing 21.12.2019			
4. Progress report may be furnished by the state/UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Progress report was sent on 26.06.2020.	Progress report was sent on 26.06.2020.	Progress report was sent on 26.06.2020.
5. Progress Report may be comprised of details along with completion time line on :			
i. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on insitu treatment	Identified	Identified March 2015 (A DPR has been prepared by School of Water Resources Engg., Jadavpur University)	Trans-boundary ingress of pollutants from a sugar mill namely Darshana Sugar Mill in Kusthia, Bangladesh.
ii. Status of STPs, I&D and sewerage networks Details of existing infrastructure, Gap Analysis, Proposed treatment facilities along with completion timeline	Total sewage generation =1539.24 MLD Existing STP=1276.73 MLD Gap assessed=262.51 New Town-Rajarhat - 24 MLD STP to be completed and commissioned by 30/06/2020. Proposed Borobaro STP by KEIIP - 70 MLD, DPR is under preparation by KEIIP. Proposed STP at Ghusighata =170 MLD	In progress. May 2021	Not applicable
iii. Status of CETPs Details of existing CETP and ETP infrastructure, Gap analysis, proposed along with completion timeline, No. of industries and complying status	4 modules of 5 MLD each are in operation. Additional 4 module CETP of 5 MLD capacity each, Total 20 MLD to be completed by KMC.	Not Applicable	Not applicable
iv. Status of solid waste management & details of processing facilities Details of existing infrastructure, Gap analysis, proposed facilities along with completion time line	No solid waste of KMC reached the river Vidyadhari. However, KMC, BMC, NKDA have taken up solid waste management program. Door to door collection and segregation at source started. Biomining for legacy waste dump	Not Applicable	Not applicable

	site at MollarBheri will start shortly.		
v. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river	BOD = 8.75 mg/l FC=70000 MPN/100 ml At Malancha (Jun. 2020)	BOD = 3.40 mg/l FC=28000 MPN/100 ml At Satighat (Jun. 2020)	BOD = 5.43 mg/l FC=50000 MPN/100 ml At Gobindapur (Jun. 2020)
vi. Preventing dumping of waste and scientific waste management including biomedical wastes, plastic wastes and decentralizing waste processing, including generated from hotels, ashrams etc.	Two common BMW treatment facilities are in operation. Decentralised waste processing facilities will be set up shortly.	One common BMW treatment facility is in operation. Decentralised waste processing facilities will be set up shortly.	Not applicable
vii. Ground water regulation	Four (4) nos. only surface water based piped water supply schemes have been taken up. Moreover groundwater in the area is regulated by SWID, GoWB.	Groundwater in the area is regulated by SWID, GoWB	Groundwater in the area is regulated by SWID, GoWB
viii. Adopting good irrigation practices	Erosion protection work by raising, strengthening and improvement of embankment for flood plain zone protection and its management by 31.03.2021.		
ix. Protection and management of Flood Plain Zone			
x. Rain water harvesting	Rs 72.256 (Water Conservation) Schemes to be taken under MGNREGA		
xi. Maintaining minimum environmental flow of river			
xii. Plantation on both sides of the river	Rs 42.386 Lakh, Schemes to be taken under MGNREGA	Afforestation programme has been taken up by Forest Department.	Afforestation programme has been taken up by Forest Department.
xiii. Setting up biodiversity parks on flood plains by removing encroachment	One biodiversity park called Eco-Park has already been developed in New Town, Kolkata area. GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.	GoWB is going to set up Biodiversity park at every block from the next financial year.

National Mission for Clean Ganga

Format for submission of monthly progress report by states/ UTs

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

River: Mahananda

Sl. No.	Activity to be mentioned	Timeline	Submission of Progress by State/ UT- compliance status
1.	Ensure 100 % treatment of sewage at least in-situ remediation	31.10.2020	Primarily we have identifiedthree major polluting drains namely 1. **Drain near STP-II pumping Station at PWD More, Siliguri, 2. Drain near Surya Sen Park at Mahakalpally, Siliguri and 3.Drain near junction of Mahismari River with Mahananda River at Geeta Devi Chhat Ghat at Samar Nagar, Siliguri**flowing into Mahananda river for in-situ treatment. Tender process for in-situ treatment of these drains Tender already invited.
	Commencement of setting up STPs and connection all the drains and other sources of generation of sewage to the STPs must be ensured	31.12.2020	Preparation of Modified DPR comprising of interception of 76 outfall drains at Left Bank Mahananda River& 186 outfall drains at Jorapani Fuleshwari and operationalisation STP-II & STP-III with a capacity of 15 MLD &24 MLD has been done (Which were earlier taken up by SJDA in 2012-13 under Mahananda River conservation plan but left incomplete due to various reason). These two STPs will cover left bank of Mahananda and Jorapani Fuleswari (Tributaries of Mahananda) respectively. The total Modified DPR cost is Rs. 118.85 Crore. It has been submitted to KMDA on 27.05.2020 for vetting.
2.	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2022	After vetting of Modified DPR, it will be submitted to UD & MA Deptt., Govt. of West Bengal for sanction. The following are tentative timelines as submitted by our earlier action planfor Mahananda River: (i) Approval from Govt. by 30.9.2020 (ii) Tender procedure by 31.12.2020 (iii) Completion of STPs by 31.03.2022
3.	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below secretary level • Chief Secretaries have an accountable person attached in their office for this purpose	22.01.2020 22.01.2020	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.
	• Monitoring at State level must take place	Fortnightly connecting	N/A

		22.12.2019	
4.	Progress report may be furnished by the States/ UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	Progress report was sent on 26.06.2020.
5.1.	Progress Report may be comprised of details along with completion timelines on i) Identification of polluting sources including drains contributing to river polluting and action as per NGT order on in-situ treatment.		Primarily we have indentified three major polluting drains namely 1. **Drain near STP-II pumping Station at PWD More, Siliguri, 2. Drain near Surya Sen Park at Mahakalpally, Siliguri and 3.Drain near junction of Mahismari River with Mahananda River at Geeta Devi Chhat Ghat at Samar Nagar, Siliguri** flowing into Mahananda river for in-situ treatment. The process have been initiated to execute in-situ treatment on these drains
	ii) Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline.		Preparation of Modified Detailed Project Report for operationalisation STP-II & STP-III with a capacity of 15 MLD & 24 MLD has been done (Which were earlier taken up by SJDA in 2012-13 under Mahananda River conservation plan but left incomplete due to various reason). These two STPs will cover left bank of Mahananda and Jorapani Fuleswari (Tributaries of Mahananda) respectively. The total cost is Rs. Modified DPR 118.85 Crore. It has been submitted to KMDA on 27.05.2020 for vetting. With respect to the proposal of STP-I to cover the drains flowing into Mahananda River right bank, there is a problem of land availability. Identification of suitable land is on going After vetting of Modified DPR, it will be submitted to UD & MA Deptt., Govt. of West Bengal for sanction. The following are tentative timelines as submitted by our earlier action plan for Mahananda River: (i) Approval from Govt. by 30.9.2020 (ii) Tender procedure by 31.12.2020 (iii) Completion of STPs by 31.03.2022
	iii) Status of CETPs Details of Existing CETP and ETP infrastructure, Gap Analysis, proposed along with completion timeline, No. of industries and complying status		N/A

	iv) Status of Solid Waste Management & Details of Processing Facilities Details of existing Infrastructure, Gap Analysis, Proposed along with completion timeline.		N/A
	v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		BOD=1.8 mg/l, FC=2700 MPN/100 ml At Siliguri (Jun. 2020)
	vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc		N/A
	vii) Ground water regulation		N/A
	viii) Adopting good irrigation practices		N/A
	ix) Protection and management of Flood Plain Zones (FPZ)		N/A
	x) Rain water harvesting		N/A
	xi) Maintaining minimum environmental flow of river		N/A
	xii) Plantation on both sides of the River		N/A
	xiii) Setting up bio diversity parks on flood plains by removing encroachment.		N/A

National Mission for Clean Ganga

Format for submission of monthly progress report by states/ UTs

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

River: Teesta Stretch – Paharpur to Siliguri

Sl. No.	Activity to be mentioned	Timeline	Submission of Progress by State/ UT- compliance status
1.	Ensure 100 % treatment of sewage at least in-situ remediation		There is no major outfall in the identified stretch of river Teesta. The action for improvement of water quality of river Karola (P-V) is in progress. As the river Karola is discharging into river Teesta in the downstream, the improvement of water quality in river Karola will also help to improve water quality of river Teesta.
	Commencement of setting up STPs and connection all the drains and other sources of generation of sewage to the STPs must be ensured		
2.	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	N/A
3.	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below secretary level • Chief Secretaries have an accountable person attached in their office for this purpose	22.01.2020 22.01.2020	Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.
	• Monitoring at State level must take place	Fortnightly connecting 22.12.2019	N/A
4.	Progress report may be furnished by the States/ UTs to • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB	Monthly (preferably before 20th of every month)	N/A
4.1.	Progress Report may be comprised of details along with completion timelines on i) Identification of polluting sources including drains contributing to river polluting and action as per NGT order on in-situ treatment.		N/A

	ii) Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline.		N/A Not Available N/A
	iii) Status of CETPs Details of Existing CETP and ETP infrastructure, Gap Analysis, proposed along with completion timeline, No. of industries and complying status		N/A N/A N/A
	iv) Status of Solid Waste Management & Details of Processing Facilities Details of existing Infrastructure, Gap Analysis, Proposed along with completion timeline.		N/A N/A N/A
	v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		BOD=0.8 mg/l, FC=2200 MPN/100 ml At Sevok Bridge (Jun. 2020)

	vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc vii) Ground water regulation viii) Adopting good irrigation practices ix) Protection and management of Flood Plain Zones (FPZ) x) Rain water harvesting xi) Maintaining minimum environmental flow of river xii) Plantation on both sides of the River xiii) Setting up bio diversity parks on flood plains by removing encroachment.		

National Mission for Clean Ganga

Monthly Progress Report regarding Poluting River stretches of the Rivers Damodar and Barakar for the month of July, 2020

(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)

Sl. No.	Activity to be mentioned	Timeline	Monthly Progress	
			River Damodar	River Barakar
1.	Ensure 100% treatment of sewage at least in-situ remediation.	30.06.2021	• 11 Drainage outfall channels indentified discharging into the river. • Action for Bio / Phyto remediation for the2 drains out of 11 drains shall be taken up initially as an interim measure by September 2020. • Laboratory test on Quality of waste water of all drainage channels have been conducted by WBPCB.	• 7 Drainage outfall channels indentified discharging into the river. • Action for Bio / Phyto remediation for the 7 drains shall be taken up as an interim measure. • Laboratory test on Quality of waste water of all drainage channels have been conducted by WBPCB. (Enclosed in the Action Plan)
	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured.	30.04.2021	Selection of consultant for preparation of DPR has been finalised and placed before NMCG For their approval. Howeverinterim measues shall be initiated by September 2020.	
2.	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.05.2022	• DPR is under process. Action for Bio / Phyto remediation for the aforesaid 18 drains has been considered necessary in the mean time as an interim measure. Action shall be taken in the above direction. • A PERT Chart indicating the timeline for the completion and commissioning of the project is also prepared.	
3.	Chief Secretaries may set up appropriate monitoring mechanism at State level • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose.		Environment Monitoring Cell at the office of the Chief Secretary has been constituted. CEO, KMDA is the nodal officer for liquid waste management. SUDA is the nodal agency for solid waste management.	
	• Monitoring at State level must take place	Fortnightly Commending 21.12.2019		
4.	Progress report may be furnished by the States/UTs to • Secretary, Ministry of	Monthly (preferably before 20th of	Progress report was sent on 26.06.2020.	

	JalShakti • Member Secretary, CPCB	every month)		
4.1	Progress Report may be comprised of details along with completion timelines on: (i) Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in-situ treatment		11 Drainage outfall channels indentified discharging into the river.	7 Drainage outfall channels indentified discharging into the river.
	(ii) Status of STPs, I&D and sewerage networks Details of Existing, Infrastructure, Gap Analysis, Proposed along with completion timeline	31.05.2022	**Damodar river:** [Within Durgapur (part), Andal, Raniganj, Burnpur, Asansol, Kulti (part) Area **Total GAP**: At Damodar River 170.18 MLD **Barakar river:** [Within Kulti (part) Area] **Total GAP** At Barakar River 27.31 MLD Selection of consultant For Preparation of DPR has been finalised and placed before NMCG for approval.	
	(iii) Status of CETPs Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status.		All the industries have active ETP and they have complied with the effluent discharge standard and hence there is no GAP. However identification of new industries are under process. • Existing STP maintained by the following organizations in Durgapur i) DMC (1 MLD), ii) DSP (6 MLD), iii) DPL (5 MLD), iv) ABL (0.5 MLD), v) DVC (1.32 MLD), Total – 13.82 MLD **A. For Damodar river within Durgapur (part), Andal, Raniganj, Burnpur, Asansol, Kulti (part)** i) Capacity of the proposed STP (2035) 224 MLD ii) Capacity of Existing STP / ETP 13.82 MLD iii) GAP Analysis 210.18 MLD **B. For Barakar river within Kulti (part)** i) Capacity of the STP (2035) 2 MLD ii) Capacity of Existing STP / ETP 0 MLD iii) GAP Analysis 33.29 MLD	
		June,2020 to July, 2022	• A Transaction advisor has been selected for implementation of processing plant on PPP mode and its is under the designing stage • An Agency has been selected for preparing of DPR on integrated SWM. • Distribution of Blue Bins & Green Bins has already been started for segregation of Solid Waste at source after conducting necessary awareness program. • Railway, Restaurants, Industries, Commercial places, Markets, Housing producing more than 100 kg per day shall be asked to setup their own processing units by themselves for disposals. • CMOH under the department of health shall be	

	(iv) Status of Solid Waste Management & Details of Processing Facilities Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline		asked to employ suitable empanelled agency of the health Dept. for disposal of Bio-Medical waste & COVID waste. • Written communication was sent on 10th June, 2020. **Tender formalities for preparation of DPR on SWM, AMC & DMC are under process and under the active initiation of the SUDA.**	
			At MujherMana BOD = 2.75 mg/ltr. FC = 3900 MNP/ 100 mltr. Total Coliform = 7000 MNP/100 mltr. D.O. = 7.5 mg/ltr. (Jun. 2020)	BOD = 2.5 mg/ltr. F.C. = 3800 MNP/100 mltr. Total Coliform = 6300 MNP/100 mltr. D.O. = 8.2 mg/ltr. (Jun. 2020)
	(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river (vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including waste generated from hotels, ashrams, etc.		• A transaction advisor has been selected for implementation of processing plant on PPP mode and its is under the designing stage • An Agency has been selected for preparing of DPR on integrated SWM. • Distribution of Blue Bins & Green Bins has already been started for segregation of Solid Waste at source after conducting necessary awareness program. • Railway, Restaurants, Industries, Commercial places, Markets, Housing producing more than 100 kg per day shall be asked to setup their own processing units by themselves for disposals. • CMOH under the department of health have being employing suitable empanelled agencies of the health Dept. for collection, transportation and disposal of Bio-Medical waste & COVID waste. **Tender formalities for preparation of DPR on SWM, AMC & DMC are under process and under the active initiation of the SUDA.**	
			• Water meter without telemetry system is install at industrial tube well. • Monitoring of ground water resources have been done and regulation of ground water extraction by the industries has been maintained as per GEC norms. • There is no exploited and critical blocks present in PaschimBardhaman. • For Roof top Rain Water Harvesting for surface storage a pond of size 150'x 50'x6'8" need to be maintained by the industries as a pre-requisite before issuing any permit under WBGR act 2005. • Periodic water assessment is done twice a year.	

	(vii) Ground water regulation	2019 – 2022 (3 Years) 2025	Micro irrigation with supplementary water management activities. Good agriculture practices, crop diversification, good irrigation practices and soil & water conservation are the major considerations of the proposed scheme undertaken by the Agriculture Dept. • A project name West Bengal Major Irrigation & Flood Management has been taken up by I& WD, Govt. Of West Bengal with the Financial Assistants of the World Bank and AIIB to enhance irrigation command to the tune of 3 lack 76 thousand ha. with a view to mitigating food damage in the lower Damodar basin.
		2025	• River specific action plan stressed on (1) Flood Pain Zone Management and good irrigation practice.
	(viii) Adopting good irrigation practices		• For Roof top Rain Water Harvesting for surface storage a pond of size 150'x 50'x6'8" needs to be maintained by the industries as a pre-requisite before issuing any permit under WBGR act 2005. • Rain water harvesting and Re-use of artificial recharge to the ground water schemes at Durgapur Institute of Advance technology & Management Campus is takenup by the Planning division SWID, Kolkata.
			The environmental flow is maintained through the release of water from the Panchet Dam. / The environmental flow is maintained through the release of water from the Maithon Dam.
	(ix) Protection and management of Flood Plain Zones (FPZ) (x) Rain water harvesting	Sept. 2020 *2020-21 (Horticulture and Plantation of 302.5 ha.)*	• Massive advance work include raising of seedlings, planting of trees and its regular maintenance is undertaken by Forest Dept. Since July, 2020. An Amount of 62,16,385/- has been earmarked for this project. • A total of 394011 Plants were planted covering an area of 580 ha. of land and those include both horticulture & social forestry species, and this scheme has been executed by P&RD Dept. Govt. of West Bengal.
	(xi) Maintaining minimum environmental flow of river (xii) Plantation of both sides of the river (xiii) Setting up biodiversity parks on flood plains by removing encroachment		Govt. of West Bengal has been conceived of a plan to set up Bio-Diversity Park at Every Block from the ensuing Financial Year to ameliorate environmental condition.