June 2020.

National Mission for Clean Ganga

Format for submission of monthly progress report by State Pollution Control Board Sikkim

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

Sl. No.	Activity to be monitored	Timeline	Submission of progress by state/UT-Compliance
1.	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	In situ remediation for upgrading of STP under Zone I, Gangtok has been put up for consideration under Ministry of Jal Shakti, Government of India.
2.	Commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	Zone II, Gangtok under final commissioning of STP and Sewer System. Estimate for sewer connections to uncovered areas has been forwarded for financial sanction under various Funding agencies for Zone I, & Zone III, Gangtok, STP work along with sewerage network system has been recently commenced and expected to complete by March 2021 as per the information provided by the PHE Department.
3.	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2020	Information is awaited from the concerned Department.
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.	22.01.2020	
	• Monitoring at state level must take place	Fortnightly Commencing 21.12.2019	

5.	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.	1st reporting being done.
6.	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 insitu treatment. ii. Status of STPs, I&D and sewerage networks Details of Existing Infrastructure, Gap Analysis, Proposed 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, gap analysis, proposed along with completion timeline		Information is awaited from the concerned Department. There are six numbers of operational STPs in the state. CETPs does not exist in the state. • At present, only Martam Landfill, East Sikkim is being used for disposal of Solid Waste generated in the East District. • At present, the South and West districts avail the facility at Sipshu

			dumping site • Door to door collection of waste alongwith ringing of bell is being carried out in all the ULBs of Sikkim through garbage collection vehicle. • Ringdang in Dzongu, North district has been identified for establishment of sanitary landfill facility.
	v. latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;		Report enclosed at **AnnexureI**
	vi. Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic waste and decentralizing waste processing, including waste generated from hotels, ashrams etc.		All the wastes generated excluding bio-medical waste are disposed at scientific landfill at Martam East Sikkim and Sipshu dumping site at west Sikkim. Health care facility in the state practices captive treatment. Major hospitals are equipped with incinerator for disposal of Bio-medical wastes.

	vii. Ground water regulation		Currently in the state of Sikkim ground water extraction for domestic or household purposes is not practiced. ground water extraction for commercial or industrial purposes is practiced in the state. It is mandatory for all enterprises who are extracting ground water to obtain permission from Central Ground Water Authority. The compliance of condition for ground water recharge is monitor by CGWA. Currently there are 24 industrial unit practicing ground water extractions. Water Resource Department is executing 156 Nos. of Surface Minor Irrigation (SMI) Schemes under PMKSY (AIBP) in the State of Sikkim, sanctioned under the Ministry of Water Resources, Ganga Rejuvenation and River Development Government of India and will be completed by 31st March 2020 as per the information provided by Water Resources Department, Government of Sikkim
	viii. Adopting good irrigation practices		Information is awaited from concerned department.
	ix. Protection and management of Flood Plain Zones (FPZ),		Not applicable.
	x. Rain water harvesting		The NOC issued by CGWA for abstraction of ground water includes condition for istallation of rain water harvesting system by the industrial units. The land survey have been conducted by CGWA officials and the I

	xi. Maintaining minimum environmental flow of river		nstallation of said system is u nder progress. All the Hydro Electric Projects (HEPs) has been directed to install environmental flow meter. Accordingly, six numbers of HEPs have installed e-flow meter to maintain 15-20% flow of river viz; 1. Sneha kinetic Power Project, Lindok, North Sikkim . 2. Teesta Urja Power Project Ltd., Chungthang North Sikkim 3. Shiga Power Project, Tashiding West Sikkim 4. DANS Energy, Jorethang loop, south Sikkim 5. Gati Infrastucture Rongli site, East Sikkim 6. Gati Infrastructure Chuchagen East Sikkim. 7.
	xii. Plantation on both sides of the river		conducted under the supervision of Department of Forest and Environment, Government of Sikkim.
	xiii. Setting up biodiversity parks on flood plains by removing encroachment		The state of Sikkim does not have the said geographical formation.

ANNEXURE I

STATE POLLUTION CONTROL BOARD- SIKKIM
MONITORING OF INDIAN NATIONAL AQUATIC RESOURCES

General Parameters to be analyzed regularly

Month: June Year: 2020

Station Code	Type	Sampling Date	Turb. NTU	Alk.mg/l	PO_4 mg/l	SO_4 mg/l	Cl mg/l	Hardness mg/l	Ca++ mg/l	NO_2-N mg/l	Fluoride mg/l
1801	R	01/06/2020	2.0	35	NT	20	25	35	32	1.0	NT
1802	R	03/06/2020	2.2	40	NT	22	30	38	30	1.3	NT
1803	R	04/06/2020	2.1	45	NT	23	25	35	30	1.8	NT
1804	R	04/06/2020	2.8	55	NT	25	30	40	25	2.2	NT
1805	R	06/06/2020	2.5	50	NT	23	25	35	30	2.0	NT
1806	R	06/06/2020	2.1	55	NT	25	28	35	32	2.1	NT
1807	R	08/06/2020	2.3	50	NT	22	36	38	33	2.0	NT
1808	R	08/06/2020	2.4	55	NT	24	28	35	30	2.1	NT
1809	R	10/06/2020	2.8	50	NT	25	25	39	35	2.2	NT
2034	R	12/06/2020	1.8	30	NT	22	22	30	30	1.0	NT
2035	R	12/06/2020	1.8	35	NT	20	23	35	25	1.1	NT
2036	R	15/06/2020	1.5	40	NT	24	22	30	25	1.1	NT
2037	R	15/06/2020	1.9	50	NT	23	20	35	24	1.3	NT
2038	R	17/06/2020	1.5	45	NT	25	25	37	28	1.8	NT

NT: Not Traceable R: River

ANNEXURE I

STATE POLLUTION CONTROL BOARD- SIKKIM
MONITORING OF INDIAN NATIONAL AQUATIC RESOURCES (National water monitoring programme-NWMP)

General Parameters to be analyzed regularly

Month: June Year: 2020

Station Code	Type	Sampling Date	pH	Cond. µmhos/ cm	NO_3-N mg/l	D.O mg/l	B.O.D mg/l	T. Coliform MPN/100ml	Faecal Coliform 100/ml
1801	R	01/06/2020	7.0	260	1.0	10.0	2.0	80	35
1802	R	03/06/2020	7.0	230	1.2	10.0	2.2	100	45
1803	R	04/06/2020	6.5	200	1.4	08.0	2.4	120	50
1804	R	04/06/2020	6.6	190	1.9	07.0	2.6	200	80
1805	R	06/06/2020	6.8	180	1.8	08.0	2.5	190	70
1806	R	06/06/2020	6.5	185	1.6	08.0	2.2	180	65
1807	R	08/06/2020	6.8	190	1.7	09.0	2.0	180	70
1808	R	08/06/2020	6.7	200	1.5	09.0	2.0	170	65
1809	R	10/06/2020	6.6	215	1.9	08.0	2.3	195	70
2034	R	12/06/2020	7.2	250	1.1	10.0	2.0	100	40
2035	R	12/06/2020	7.0	220	1.3	09.0	2.0	110	45
2036	R	15/06/2020	6.5	200	1.5	08.0	2.2	110	50
2037	R	15/06/2020	6.5	210	2.0	08.0	2.0	120	55
2038	R	17/06/2020	6.5	230	2.0	09.0	2.2	150	60

R: River