

**Minutes of the Meeting held on 18/05/2023 in the matter of National Green Tribunal in OA No. 395/2021 Restoration of Periyar River**

Meeting commenced at 12.00 noon with Additional Secretary, Environment Department presiding. The Director of Panchayat, Dy. Director LSGD, Joint Director, LSGD; District Collector Idukki, Thrissur , Member Secretary, Kerala State Pollution Control Board, CE Irrigation Dept.and concerned officers of local bodies,KWA, Irrigation Department, Suchitwamission, Amruth, KSITM, KSPCB were also present in the meeting. A total of 82 people are attended.

Member Secretary, KSPCB made a presentation regarding the action points formulated as per OA 395/2013- Restoration of Periyar River and reviewed the progress of the projects. Copy of PPT attached as annexure.

The progress of items reported and decisions are summarized below

Sl no	Item	Agency/Action taken/	Status/ Decision
1	Identification of industries/establishments/commercial complexes/flats/hotels etc. discharging sewage /wastewater to the public drain/stream/river/encroachments	LSGI, Board	Completed
2	Periodical inspections in industries/ Establishments/ Commercial complexes/Flats/Hotels etc Monitoring of STP/ETP etc, notices.	LSGI, Board Periodical monitoring is being done The details periodical inspections by the Board and local bodies were reported	Regular Activity. Progress is to be ensured.
2a	<b>CSTP/FSTP</b>		
	Kochi corporation	LSGI:Bye law approved by Counsel and sent to Govt. for approval.	Progress is to be reported.

		KWA:Regarding Elamkulam STP, KWA informed that trial run for co treatment facility can be done before 31.05.2023.MD KWA will visit the plant on 20.05.2023 in connection with trial run. Similar action is to be done in case of GCDA plant also.	
	Thrissur Corporation	10 kLD FSTP at Madakkathara in Thrissur Corporation is under trial run	Progress is to be reported.
	Munnar FSTP	Civil work started for Munnar FSTP but a case is filed in High court and hearing is on 24.05.2023 and status quo be maintained.	Progress is to be reported.
2b	Number of inspections carried out / fine collected in the events of illegal outlets/ illegal dumping and single use plastic ban	Details of inspections carried out and fine collected are reported by each local body in detail. It is noted that no fine is imposed by 15 local bodies including 8 from Ernakulam (namely Vadakkekara, Koovappaady, Keerampara, Chendamangalam, Kuttampuzha, Kottappady, Choornikkara and Cheranelloor), 5 from Idukki (Kanchiyar, Konnathadi, Kumaly, Mariyapuram, Vaathikkudi and Vazhathope) and one from Thrissur (Poyya).	Instructions were given to take urgent necessary action in this regard. <b>JD &amp; DD SWAG</b> instructed all local bodies that notice to be issued in case of observance of violations, hearing is to be conducted and if no rectification is done in time fine should be collected and then prosecution procedure is to be initiated. If no progress is achieved actions will be taken against the LSGI.
3	Aluva Municipality- a)Adwaitha Ashramam- Augmentation and Revamping of existing STP and to increase the capacity of STP so as to treat more sewage generated in the municipality.	Civil Part-agreement signed; mechanical part:Execution of work by Irrigation Dredger Section and awaiting for fund deposit. Electrical Part: 2nd retender	Follow up is to be done by DUA

	b)Aluva market		
4	<p>Kalamassery Municipality-</p> <p>a. STP</p> <p>b. Construction of retaining wall with HDPE liner at Kalamassery dumping yard in order to prevent the leachate discharge from the yard to Thoompunkal Thodu</p> <p>c. Dumpsite</p>	<p>DPR to be prepared</p> <p>Reported as completed</p>	Details to be updated
5	Kodungallur Municipality- STP	Secretary informed that no existing facility Mini FSTP and STP are proposed but not approved for this financial year.	Matter to be reported to the notice of the ACS, LSGD by DUA.
6	<p>Munnar Grama Panchayat</p> <p>a. Legacy waste management</p> <p>b. Solid waste management</p>	<p>Completed</p> <p>Windrow Plant (4 TPD ) functional</p>	Completed
7	Cleaning of weeds, grasses at the river bank in order to ensure the smooth flow of water	<p>Irrigation/ LSGI</p> <p>It is also reported that 80% of grass water hyacinth, earth etc. has been cleared from tributaries. Work carried out with the close coordination of LSGD with the utilisation of MGNREGS/AUEGS scheme and awaiting for fund for carrying out the balance work.</p>	<p>Progressing.</p> <p>Decision on fund to be taken urgently. The stretch in which work done are to be reported.</p>
8	Maintaining of Minimum flow in river during lean period and periodical operation of Regulators at River in-order to maintain	Irrigation Dept. reported that they are monitoring the flow and operating accordingly	Action taken

	minimum flow		
9	Remediation of contaminated sites along the stretch of Periyar river and its tributaries, especially for those areas for which DPR has been made	KSPCB, Industries Dept. Draft agreement sent to HIL for handing over land for establishing ETP in connection with Kuzhikandom thodu remediation. It is also reported that M/s HIL has submitted the draft agreement for the approval from the Central Government	CEE, RO Ernakulam is to submit status report on reassessment of quality of Kuzhikandom thodu and Edayar-Edayattuchal and Chakkarachal project areas in view of recent floods in 2018, 2021 and 2022.
10	Installation of additional continuous online River water monitoring station	KSPCB 2 stations are reported as working satisfactorily	Completed
11	Identification of the scientific reason for the colour change in the downstream of Pathalam bund	KSPCB Central lab has been entrusted. 1st phase completed. Samples collected from Aluva & Kalamassery. Meetings held with Env't Dept. & CUSAT. Preliminary report prepared TOC is 66.27%. Organic waste disposal results in DO depletion.	Progressing. Staff shortage have affected the progress.
12	Ensuring the treated water reuse in major industries to reduce effluent discharge and pollution load in river due to industrial discharge. Encouraging the best performing industries for suitable conservation measures.	KSPCB /Industries KSPCB reported 1 unit in Idukki area is reusing their treated effluent in the unit itself. <u>DIC reported</u> that most of the industries are already treating the water and some units are reusing the treated water 18 units already have effluent treatment plant.	Regular Activity. Progress is to be ensured. District officers of the Board to report compliance status of units discharging treated effluent into Periyar and its drains.
13	Converting the	KSPCB/ LSGIs:	Regular Activity.

	service stations in the watershed area to zero discharge unit for preventing oil pollution and ensuring water conservation	12 service stations identified. 1 identified unit is not having PCB's consent & hence notice issued. Matter being followed	Progress is to be ensured.
14	Ensuring rain water harvesting and ground water recharge by industries, commercial establishments and residences	KSPCB, Industries & Water Resources Depts. and District Administration  <u>KSPCB</u> reported that this Conditions included in Consent to Establish and Consent to Operate <u>DIC</u> reported that Rain harvesting system will be implemented in units were land is available	Regular activity
15	Construction of internal roads and proper drainage in Edayar industrial estate	Industries Dept  MSE CDP work completed, including completion of 13 nos internal road and 11 nos of drainage. Rs.6.2 crore released to EE PWD for Maintenance and repair of internal road. Rs.34 lakhs released to EE PWD for drainage works	Tender procedure of the work is in progress
16	Installation of CC TV Camera, boards in public places	KSPCB reported 7 night vision cameras installed recently by PCB in addition to the existing 2 cameras for surveillance. LSGIs: All urban & rural local bodies directed to ensure projects in wm	Completed  Progress is to be reported.

		including cctv , net fencing, trash traps, stps /fstps in revision projects for the fy 2023-24.	
17	Encouraging water sports and Establishing tourism spots across the river so that both the local and tourist people will feel ownership of river.	LSGI, Irrigation, Tourism, District administration  <u>Irrigation Department:</u> Action taken for encouraging tourism promotion. Eg: Thumbical chira in Keezhmadu Panchayath in Ernakulam District 10.35 acres of land desilted and proposal submitted for lotus ponds, adventure sports, agriculture	LSGIs and District Administration has to update further.
18	Install trash trap across all tributaries and check dams to collect whatever floating debris coming through it.	LSGI, Tourism, District administration in association with Irrigation  <u>Irrigation Department:</u> Action to be taken as objection raised by downstream people as this will cause inundation at lower level	Updated details to be reported in next meeting
19	Controlling the excessive use of pesticides for farming	LSGI, District Administration, Agriculture	LSGI/Agri Dept. may be requested for updation during the meeting
20	NGT - Preventing pollution of Periyar through the pipe	During the joint inspection with KSPCB officials on 11.01.2021, it was found	Irrigation Dept. and EE, Esc to update.

	installed near upstream of Pathalam regulator leading to Edayattuchal paddy field	that the polluted water in red colour is flowing through the said pipe towards Pathalam Regulator side. Since the bottom level of the pipe is found to be at a higher level than the highest water level (cont.) in the river , the pipe laid does not serve the purpose of irrigation to the Edayattuchal agriculture land. For identification of unauthorised discharge, arranged a work amounting to Rs. 1,00,000/-. Even though a PVC pipe was found discharging polluted water, it was unable to find out the source of the residue. So the pipe was blocked and closed the inspecting chamber using concrete.	
21	Construction of Mini MCF in 20 wards (31 Nos) Construction of building for MCF	Vazhakulam GP: 75% - May be completed by 31.03.2023	Status of mini MCF is to be sought from Vazhakulam GP
22	Fencing of the river along the banks along the stretches of waste disposal	Cochin Municipal Corporation Throwing of waste materials into the river bodies can be prevented	Regular Activity. Progress is to be ensured. The plan details are to be furnished
23	Beautification of the river stretches	Cochin Municipal Corporation  Ensuring the public participation in river	Regular Activity. Progress is to be ensured. The plan details are to be furnished

		conservation	
24	Collection and disposal of domestic hazardous waste	LSGIs / PPP/ KSPCB  Ensuring the public participation in river conservation	Regular Activity. Progress is to be ensured. The details are to be furnished
25	Collection and safe disposal of Electronic waste	LSGIs / PPP/ KSPCB  Ensuring the public participation in river conservation	Regular Activity. Progress is to be ensured
26	Collection and safe disposal of domestic biomedical waste	LSGIs / PPP/ KSPCB  Ensuring the public participation in river conservation	The details are to be furnished
27	Installation of modern abattoirs including poultry and meat rendering plants	District Panchayat Ernakulam/ Idukki/ Thrissur/ private entrepreneurs  Unauthorized slaughtering & improper waste disposal can be controlled.	Progress is to be ensured.
28	Installation of FSTPs for septage treatment at least in block level	District Panchayat Ernakulam/ Idukki/ Thrissur/ private entrepreneurs  Prevent septage	The details are to be furnished



		contamination in river by unauthorized discharging of Septage at night by private contractors	
29	Constructing of walkway, ring roads etc. at the Periyar River bank	LSGI / Irrigation Department Helps in monitoring of industries and can easily, find any unauthorized discharge from industries	Progress is to be ensured. The plan details are to be furnished

The Member Secretary thanked all the participants and concluded that all stake holder Department need to work hard to achieve the progress in targeted time limit and the actions are to be documented and reported.

The meeting came to a conclusion by 1.45pm

**ADDITIONAL CHIEF SECRETARY**

---

Fwd: OA395/2013 FILE :A3/108/2020

1 message

---

Environment Department <envtkerala@gmail.com>

20 July 2023 at 15:35

To: expenditureb@gmail.com, lsg.wm7427@gmail.com, dcek.m.ker@nic.in, dcts.r.ker@nic.in, dcidk.ker@nic.in, pdlsgkerala@gmail.com, CHAIRMAN KSPCB <chn.kspcb@gmail.com>, chn.kspcb@gov.in, "Sheela A.M" <ms.kspcb@gov.in>, ms.kspcb@gmail.com, envt.mc@gmail.com, Ernakulam DIC GM <gm.dic.ekm@gmail.com>, eeidernakulam2@gmail.com, ernakulamdc@gmail.com, industriesdirector@at@gmail.com, esceloor@yahoo.co.in, edsuchitwamission@gmail.com, Deepa nc <deepananda725@gmail.com>, tsrroll.ker@nic.in, manoj.nair@smartcity-kochi.in, directorofpanchayat@gmail.com, sanitation.sm@kerala.gov.in, duatvpm@gmail.com, aclaclr@gmail.com, pdlsgdphsection@gmail.com, pd.lsgd@kerala.gov.in, dydrurban@gmail.com, jddj.dp@gmail.com, tsctsrker@gmail.com, tscek.m@gmail.com, misdsmidk@gmail.com, irrigationplanning@gmail.com, Priyesh R <34.priyesh@gmail.com>

----- Forwarded message -----

From: Environment Department <envtkerala@gmail.com>

Date: Thu, Jul 20, 2023 at 3:22 PM

Subject: Fwd: OA395/2013 FILE :A3/108/2020

To: <waterirso@gmail.com>, WASCON KWA <wasconkwa@gmail.com>

----- Forwarded message -----

From: Environment Department <envtkerala@gmail.com>

Date: Thu, Jul 20, 2023 at 2:46 PM

Subject: OA395/2013 FILE :A3/108/2020

To: Krishna Thulasi <krisfnathulasi971@gmail.com>

Sir,

Please find the attachment regarding minutes of the meeting held at 18.05.2023.



Minutes 395 ON 18.05.2023 (Draft minutes).docx

35K