

**MINUTES OF THE TENTH MEETING OF THE STATE LEVEL
MONITORING COMMITTEE CONSTITUTED BY THE HON'BLE
NATIONAL GREEN TRIBUNAL HELD ON 8th NOVEMBER 2019 AT
HOTEL APOLLO DIMORA, THAMPANOOR,
THIRUVANANTHAPURAM**

SLMC/KER/MNTS-10/2019

Present:

1. Justice A.V. Ramakrishna Pillai, Chairman, SLMC
2. Smt. Sreekala S., Member Secretary, SLMC (Member Secretary, KSPCB)
3. Sri. T. K. Jose IAS, Additional Chief Secretary, Local Self Government Department
4. Dr. Rajan Khobragade, Principal Secretary, Health and Family Welfare Department
(Principal Secretary, Environment Department could not be present due to official exigencies)

Participation:

1. Dr. Ajit Haridas, (Chairman, KSPCB)
2. Smt. Valsa V., Additional Secretary, Environment Department
3. Smt. R. Girija, Director, Directorate of Urban Affairs
4. Dr. Ummuselma, Joint Director (Health), Directorate of Urban Affairs
5. Sri. M.A. Baiju, Chief Environmental Engineer, Regional Office, Ernakulam
6. Sri. Ramesh G.R., Nodal Officer & Deputy Secretary, Health & Family Welfare Department
7. Smt. Minimol D., Joint Secretary, LSGD
8. Sri. B.S. Thirumeni, Director, Panchayath
9. Sri. Sreejith L.K., Manager, Clean Kerala Company Ltd
10. Sri. Renju R. Pillai, Senior Consultant (Design), Suchitwa Mission
11. Sri. Rakesh Kumar R., Additional Secretary, Kochi Corporation
12. Sri. Titus H., Executive Engineer, Kochi Corporation
13. Sri. Raphy Mon J.M., Health Inspector, Kochi Corporation
14. Sri. Kiran Surya K.T., Environmental Engineer, Kochi Corporation
15. Sri. B. Anil Kumar, Municipal Secretary, Kalamassery Municipality
16. Smt. Rukiya Jamal, Chairperson, Kalamassery Municipality
17. Sri. Vahab, Health Standing Committee Chairman, Kalamassery Municipality
18. Sri. A. K. Basheer, Public Work Standing Committee Chairman, Kalamassery Municipality

19. Smt. Suprabha K.P., Secretary, Muthuthala Panchayath, Palakkad
20. Sri. Kunjahammadkutty, Secretary, Sreekrishnapuram Panchayath, Palakkad
21. Sri. Haridas, Secretary, Vellinezhi Panchayath, Palakkad
22. Sri. D. Noushadh, Assistant Secretary, Chaliyar Panchayath, Malappuram
23. Sri. Shanir K., Assistant Secretary, Thuvur Panchayath, Malappuram
24. Smt. Raji M.N., Junior Superintendent, Maranchery Panchayath, Malappuram
25. Sri. Pramod C., Junior Superintendent, Vythiri Panchayath, Wayanad
26. Sri. Pradeepan C.P., Secretary, Meenangadi Panchayath, Wayanad
27. Sri. Jomon George, Secretary, Muttil Panchayath, Wayanad
28. Sri. A.V. Ajikumar, Secretary, Nedumkandam Panchayath, Idukki
29. Sri. Rajesh P.S., Nedumkandam Panchayath, Idukki
30. Smt. Deepa L.S., Secretary, Thiruvananthapuram Corporation
31. Sri. Rajeev K.S., Assistant Engineer, LSGD, Thiruvananthapuram Corporation
32. Sri. Anoop Roy R.P., Health Inspector, Thiruvananthapuram Corporation
33. Smt. Sheeba M.S., Chief Environmental Engineer, KSPCB, Regional Office, Kozhikode
34. Sri. Eby Varghese, Environmental Engineer, KSPCB, District Office, Idukki
35. Smt. Sauma Hameed, Environmental Engineer, KSPCB, District Office, Malappuram
36. Sri. Shiju M.A., Environmental Engineer, KSPCB, District Office, Wayanad
37. Sri. Krishnan M.N., Environmental Engineer, KSPCB, District Office, Palakkad
38. Sri. Tom Joseph, Technical Assistant, KSPCB, Head Office
39. Smt. Bindu V. Gopal, Environmental Engineer, KSPCB, Head Office
40. Miss. Jisha T.J., Assistant Engineer, KSPCB, Head Office
41. Smt. Deepthi S., CA, KSPCB, Head Office

The Tenth meeting of, the State Level Monitoring Committee constituted by the Hon'ble National Green Tribunal, was held at 10.30 a.m. on 8th November 2019 at Hotel Apollo Dimora, Thampanoor, Thiruvananthapuram with the Chairman presiding. The Chairman welcomed all members and other participants.



ADDITIONAL AGENDA

Additional Agenda on action taken by the Health Department was taken up first with the concurrence of the Chairman.

The Principal Secretary Health and Family Welfare Department informed the meeting of the following actions taken by the Department towards management of Bio medical waste.

- Workshops were conducted for staff of all Taluk and bigger hospitals in which one hundred and fifty hospitals participated.
- Gap analysis in the implementation of Biomedical Waste Rules was conducted and the gaps would be addressed.
- Site for common Bio medical waste treatment disposal facility has been identified at three Medical Colleges viz., namely Kottayam, Kannur & Thrissur. Request for proposal (RFP) for the facility has been collected.
- Facility at Kottayam Medical College will taken up first and will be a Hub & Spoke model.
- Facility at Thrissur & Kannur Medical Colleges will be taken up after Kottayam.
- New facilities will lower the pressure on the sole Bio medical facility functioning at present in Palakkad. The project would taken up as turn key project and can be completed in one year.

The Additional Chief Secretary, Local Self Government Department informed that the above common Bio Medical facility projects have been planned as Joint Projects and have been placed in the Coordination Committee. Also informed that if sites are identified, the Local Self Government Department will help to mobilize the resources for the Health and Family Welfare Department.

The Chairman, Kerala State Pollution Control Board informed the Committee that a common Bio medical waste treatment facility of KEIL is coming up at Ambalamedu in Ernakulam District.



AGENDA ITEMS

I. Approval of minutes of the 9th meeting SLMC

Read and passed the minutes of the 9th meeting of the SLMC held on 28/10/2019.

II. Review of Progress of Waste Management in Kochi Corporation with special reference to Brahmapuram Dumping Yard

The Chairman, SLMC informed the meeting that he along with the Chief Environmental Engineer, Kerala State Pollution Control Board, Regional Office, Ernakulam conducted an inspection of the Brahmapuram Dumping Yard on 16.10.2019 to verify whether the directions issued by the SLMC to the Municipal Corporation, Kochi regarding the activities to be done to mitigate the existing hazards. The Chairman informed that the experience of quite distressing.

It was pointed out that the specific directions issued by the SLMC regarding the installation of cameras, installation of water tank, providing drains for conveying leach ate, etc., were not complied with. It was also pointed out by the Chairman that there are various shortcomings on the part of the Corporation in maintaining the facility in accordance with the Solid Waste Management Rules and as directed by the SLMC. The following are the shortcomings pointed out by the Chairman.

- a. The quantity of city compost produced out of the bio-degradable waste dumped at the site is marginal compared to the daily waste collected by the Corporation.
- b. No records were provided for assessing the quantity of the production of the city compost.
- c. The Corporation has failed to set-up anaerobic digesters proposed by the KSPCB which could have reduced the quantity of solid wastes collected and dumped at the yard.
- d. No action has been taken to install proper effluent facilities as agreed to by the Corporation in the previous meetings.
- e. All the windrow sheds are in a dilapidated state.
- f. The construction of the drain around the dumping site is not completed so far.

- g. The portion of the drain already constructed is not properly covered by concrete slabs. Old slabs discarded elsewhere are seen placed over the drain at few places for name sake. As the drains are partly open there is every chance of oozed slurry from the open dump site and storm water entering the drain.
- h. The existing drain provided is blocked with hard slurry flowing from windrow compost yards and the primary bio-degradable dumping area.
- i. The leach ate collected in the existing leach ate collecting pit which is only few meters away from Kadamprayar is not being removed regularly, resulting in overflow of the leach ate to the nearby vicinities including the Kadamprayar, especially during rainy season.

The representatives of the Kochi Municipal Corporation were directed to furnish their explanation for the aforesaid non-compliances.

The Assistant Secretary, Kochi Corporation reported the following:

- Security has been provided.
- Cameras have been installed.
- Tender was called and agreement signed for road construction.
- Administrative and technical sanction has been obtained for water tank.
- Retender was called for legacy waste management but nobody has responded.

The Executive Engineer, Kochi Corporation submitted the following:

- The area is flooded and works can be done only after the water recedes.
- Drain has been completed.
- For covering the drainage with slabs, decision of the council has to be obtained.
- New trommel will be installed
- All quotations are submitted at rate above the Public Work Department rate.



The Additional Chief Secretary, Local Self Government Department observed that the minutes of the SLMC meetings ought to have been included in the agenda of the Council meetings. He observed that this has not been done.

The Chairman, SLMC expressed displeasure over the inaction on the part of the Corporation in complying with the directions of the SLMC in letter and spirit. He also warned that if the Pollution Control Board does not take action against the Corporation, the matter will have to be reported to the Hon'ble NGT for appropriate action.

The Member Secretary enquired regarding the installation of digester and warned that Environment Compensation would be calculated from the date of visit of Regional Monitoring Committee. She also directed the Corporation to submit proposal for sewage treatment for submitting to the NGT as per a recent order.

The Chairman, Pollution Control Board stated that bio-digester has to be installed and the contention that bio digester is impractical is untenable. He also pointed out that the recent flood in Kochi City was mainly due to choking of drains by waste.

The Chief Environmental Engineer, Regional Office, KSPCB, Ernakulam informed the Committee that O.A.533 & O.A. 535 pertaining to the issue shall come up before the Hon'ble NGT during the last week of November, 2019.

The Additional Chief Secretary, Local Self Government Department directed that Secretary and Superintending Engineer to attend the next posting of the cases before the Hon'ble NGT personally.

It was resolved that a report regarding the events hitherto taken place and the present situation be presented by the Chairman, SLMC before the Hon'ble NGT.

III. Progress regarding the implementation of the directions of SLMC to Kalamassery Municipality

A team consisting of the Secretary, Chairperson of the Municipality, Chairman of the Health Standing Committee, Chairman of the Public Works Standing Committee was present.

The Chairman, SLMC informed the meeting that, he along with the Chief Environmental Engineer, KSPCB, Regional Office, Ernakulam conducted an inspection of the dumping site of the Municipality on 16.10.2019. It was pointed out by the Chairman that plastic in huge quantity is dumped in the yard and the leach ate from the dumping yard is reaching Periyar (Aluva) river through a nearby thodu. It was also pointed out the directions issued earlier by the SLMC have not been complied with by the Municipality. It was further pointed out that the situation was worsened during the last rainy season.

The following interim directions given by the Hon'ble High Court to the Municipality in W.P(C) No. 20363 of 2019 were taken note off.

- a. Removal of legacy waste from the dumping yard in a time bound manner.
- b. Installation of biogas plant for treatment of bio-degradable waste.
- c. Installation of aerobic waste bins at different parts of the Municipality.
- d. Construction of retention walls to prevent the flow of sewage to the adjacent properties.
- e. Obtaining NOC from the Railway to construct the retaining wall.
- f. Deployment of Health Inspector to supervise the activities in the waste treatment centre.
- g. Installation of modern insinuator.
- h. Removal of shredded plastic from the units at frequent intervals.
- i. Installation of sheds with proper roofing for keeping and storing plastic wastes.
- j. Construction of green belt around the waste dumping yard.
- k. Installation of Camera for surveillance
- l. Providing shelter and resting room for workers in dumping yard.
- m. Providing health protective measures to the workers engaged in waste collection and treatment.

The Secretary of the Municipality has submitted a report stating that the Council Meeting held on 05.11.2019 has decided to prepare an action plan and to implement the aforesaid directions in a time bound manner following a calendar.

The Chairperson of the Kalamassery Municipality submitted the following:

- All directions issued by the committee will be implemented. This matter has been included in the agenda of the Council.
- Construction of compound wall separating the leach ate from rain water has been commenced;
- Railway has been addressed to fix the boundary.
- The number of shredding units will be increased.
- Shed has been provided for preventing wetting of collected plastic.
- Tender process has been commenced for bio-mining.
- There is local objection against setting up of MCF and RRF.

The Chairman of the Health Standing Committee stated that in the eastern region of the municipality there is no need for providing treatment of wet waste.

The Chairman of the Public Works Standing Committee stated that Municipality will complete all works as per the direction and action plan will be submitted within fifteen days.

The Chairman, SLMC remarked that all commercial establishments can do plastic shredding on their own. It was also directed that removal of non bio-degradable waste should be ensured by the Clean Kerala Company.

The Additional Chief Secretary, Local Self Government Department directed the Secretary of the Municipality that the minutes containing the directions of the SLMC should be placed before the Council in its meetings including in the agenda. The Additional Chief Secretary, Local Self Government Department noted that segregation at source is being provided only in 41% of the households.

The Chairman, Pollution Control Board stated that even if there is treatment at source, service should be provided for collection of waste as envisaged in Municipal Solid Waste Rules 2016. Onsite treatment cannot be enforced on households and small establishments. He also informed that notice has been issued to the Municipality.

The Member Secretary stated that the Municipality should give reply to the notice and they should submit time bound action plan. She also informed

regarding the order of the Hon'ble NGT, that facility should be provided for treating sewage generated before February, 2020.

The following directions were issued to the Municipality.

- a. Top priority shall be given for implementing the interim directions of the Hon'ble High Court in W.P(C) No. 20363 of 2019 in a time bound manner after preparing a proper action plan for the same.
- b. The number as well as a capacity of shredding units shall be increased.
- c. If biodegradable wastes are not treated by establishments, the license of such institutions should not be renewed.
- d. Collection frequency of non biodegradable waste from households should be increased.
- e. Shredded plastic should be used for road tarring.
- f. For overcoming shortage in labour, persons can be engaged instead of making appointments which takes considerable time and the concerned employment officer should be informed of the same.
- g. Fifteen more MCFs and two more RRFs should be setup within two months in the Municipality.
- h. The Municipality shall submit an action plan regarding setting up of sewage treatment plant.

IV. Evaluation of progress of Waste Management in model local

bodies of Palakkad District

The Additional Chief Secretary, Local Self Government Department asked the Environmental Engineer, KSPCB, District Office, Palakkad to point out the best Model Panchayaths in Palakkad District. The Environmental Engineer, District Office, Palakkad stated that Vellinezhi Panchayath is the best among the three Model Panchayaths.

A. Vellinezhi Panchayath:

The Secretary, Vellinezhi Panchayath submitted the following:

- Door to Door collection is being done from all houses and establishments.
- Although amount has been remitted in March, RRF machine has not been received.

- Thumboormuzhi model plant is working inside the Panchayath premise itself.
- Workers consist of team from Kudumbasree.
- Auditoriums have facility for treating biodegradable waste at source itself.
- There is no big market in the Panchayath.

The Chairman, SLMC remarked that there are complaints that Clean Kerala Company is not removing the collected waste. The Chairman appreciated the improvement achieved by Vellinnezhi Panchayath.

The Additional Chief Secretary, Local Self Government Department directed the Clean Kerala Company to immediately provide the machine to the local body and also remarked that the good practices should be recorded and made available to other local bodies.

The Member Secretary enquired regarding the treatment and disposal of market waste.

The Environmental Engineer, District Office, Palakkad reported that the performance of Panchayath is satisfactory.

B. Sreekrishnapuram Panchayath:

The Secretary, Sreekrishnapuram Panchayath submitted the following:

- There is 100% achievement in door to door collection.
- Collectors @ school scheme would be commenced within one month.
- Eight hundred and fifty Kg of e-waste was collected on 1st November.
- Panchayath is facing difficulty due to illegal dumping of poultry waste in forest area.
- There is one MCF in the Panchayath.

The Additional Chief Secretary, Local Self Government Department directed the Panchayath to setup a rendering plant for poultry waste.

The Environmental Engineer, District Office, Palakkad remarked that the performance of Panchayath is satisfactory.



C. Muthuthala Panchayath:

The Secretary, Muthuthala Panchayath submitted the following:

- There is 100% achievement in door to door collection from households and establishments.
- There are two MCFs in the Panchayath.
- Haritha Karma Sena is working in fifteen wards.

V. Evaluation of progress of Waste Management in model local

bodies of Malappuram District

On enquiry, the Environmental Engineer, District Office, Malappuram stated that out of the three model Panchayaths in the district, performance of Chaliyar Panchayath is the best.

A. Chaliyar Panchayath:

The Assistant Secretary, Chaliyar Panchayath submitted the following:

- Clean Chaliyar Project is being implemented in the Panchayath.
- Forteen Kudumbasree members are engaged in collection of waste.
- Non-biodegradable waste is collected once in a month from all households and establishments.
- Door to door collection from 100% households has been achieved.
- There is one MCF in the panchayth.

The Additional Chief Secretary, LSGD observed that the wastes collected after the flood have not been disposed satisfactorily. The Environmental Engineer, District Office, Malappuram was directed to ensure that the waste is given to authorized waste processors only. It was also directed that the frequency of collection of waste from households has to be increased to weekly basis.

The Environmental Engineer, District Office, Malappuram submitted that inspection had been conducted in fifteen houses in each ward.

B. Maranchery Panchayath:

The Junior Superintendent of the Panchayath submitted the following:

- Thirty eight numbers of Haritha Karma Sena members are working in the Panchayath.
- There is one MCF and Plastic Shredding unit.
- Shredded plastics are used for tarring.
- Five more MCFs are required.
- Aluminum foil is sent to RRF.
- Overall achievement is 60%.

The Environmental Engineer, District Office, Malappuram submitted that only plastic is collected in MCF. No other non-biodegradable waste is collected.

The Additional Chief Secretary LSGD directed that all types of non bio degradable waste should be collected by Clean Kerala Company. As monthly collection is insufficient, frequency should be increased.

The Chairman, SLMC observed that performance of the Panchayath is not satisfactory.

C. Thuvvur Panchayath:

The Secretary, Thuvvur Panchayath submitted the following:

- There is one MCF in the Panchayath.
- Rejects are being sent to CC Cements.
- Collection frequency is once in the three months.

The Chairman, Kerala State Pollution Control suggested that the present collection frequency is inadequate. The Environmental Engineer was directed to verify the receipts of the rejects said to be sent to ACC cements.

The Additional Chief Secretary, LSGD remarked that segregation of wastes at source has to be enforced. It was also directed that banned plastic carry bags should be confiscated and persons buying banned products should be prosecuted and the license of such establishments should be cancelled.

The Member Secretary directed the Chief Environmental Engineer, Regional Office, Kozhikode to follow up the matter of banned plastic reported by the Environmental Engineer, District Office, Malappuram.

VI. Evaluation of progress of Waste Management in model local

bodies of Wayanad District

On enquiry the Environmental Engineer, District Office, Wayanad submitted that out of the three Model Panchayaths in the district, the performance of Meenangadi Panchayath is the best.

A. Meenangadi Panchayath:

The Secretary, Menangadi Panchayath submitted the following:

- Thirty eight Haritha Karma Sena members are working in nineteen wards of the Panchayath.
- Haritha Karma Sena members have been given training.
- Green Protocol is being practiced in the auditoriums.
- Shredded plastics are used for road tarring.
- One MCF is installed in the Panchayath.
- Two Thumboormozhi units and plastic shredding unit are functioning in the Panchayath.
- Banned plastic has been seized and Rs. 11500/- has been fined.
- Nadayappa compost provided in 7244 units.
- Achievement is 83%.
- The achievement will be 100% by the end of November.

The Chairman, SLMC remarked that the failure of pipe compost and pot compost is mainly due to improper maintenance.

The Director of Panchayath pointed out that E-waste has been collected from the Panchayath.



B. Muttill Panchayath :

The Secretary, Muttill Panchayath submitted the following:

- Haritha Karma Sena is working in the Panchayath
- Plastic collection is done from 90% of households and 75% of establishments.
- Shredding machine has been installed but electrification is not completed.

The Additional Chief Secretary, LSGD directed the Secretary to get the electrification done with their help of ITI students from nearby Institute.

C. Vythiri Panchayath:

The Junior Superintendent submitted the following:

- There are more than 200 resorts in the Panchayath.
- Haritha Karma Sena is collecting waste from resorts.
- Achievement is 80%.
- The target of 100% would be achieved by December.

The Additional Chief Secretary, LSGD directed that use of cloth bag should be promoted.

It was directed that responsible tourism be promoted; seminars be conducted for Kudumbasree workers; more user fee be collected from large institutions; liquid waste management also be done; bottle booths be installed.

The Chairman, Kerala State Pollution Control Board directed that litter bins should be installed in trekking paths.

The Environmental Engineer, District Office, Wayanad reported that wastes are thrown by tourists on the road sides and action has to be taken to avoid this.

VII. Evaluation of progress of waste management in Nedumkandam

Panchayath in Idukki District

Written explanation regarding the absence of the Secretary in the previous SLMC meeting was submitted by him. The explanation was accepted and the Secretary was advised to avoid such failures in future.

The Environmental Engineer, District Office, Idukki submitted that the achievement of the Panchayath in waste management is 60%.

The Secretary, Nedumkandam Panchayath submitted the following:

- Door to door collection is done from 60% of households and 100% of establishments.
- Bio-compost collected from houses are packed and given as fertilizer.
- Plastic waste from other panchayaths are disposed here.
- Fine of Rs.16000/- has been imposed for illegal dumping.
- Thumboormuzhi unit was installed in the Panchayath but it is not working.

The Additional Chief Secretary, LSGD said that street cleaning in Nedumkandam Panchayath is not satisfactory and directed that collection should be made 100% in time bound manner. Thumboormozhi facility should be made functional.

The Member Secretary enquired about the waste disposal of fish market and directed that the Panchayath should achieve 100%.

The following directions were given to the representatives of the Model Local Bodies present in the meeting:

1. Local bodies should ensure that digesters are put up by the catering groups functioning in their respective area, for treatment of bio-degradable waste generated.
2. Thumboormozhi decentralized facility should be setup in the premises of the Panchayath/Municipality building itself in all local bodies. Technical advice, facilitation and support should be provided by Suchithwa Mission for model local bodies for this. Clean Kerala Company should also help to install facilities in model local bodies.
3. Clean Kerala Company should pick up the non-biodegradable waste collected and stored in the various local bodies at least once in a month.
4. Squads should be formed in the local bodies to apprehend persons throwing waste illegally and fine should be imposed upon wrong doers.

5. Local bodies shall install cameras to identify persons dumping waste in public places and water bodies. Environmental degradation shall be assessed and compensation shall be levied from culprits.
6. Best practices of all local bodies should be categorized by Suchithwa Mission and awareness be spread among other local bodies.
7. Separate awareness programme should be conducted for tourist destinations such as Munnar, Kumaly, Varkala, Vythiri, Kumarakam etc.

The Chairman, SLMC thanked all the participants. The meeting concluded at 1.45 PM.



CHAIRMAN