



No. KSPCB/WMC/NGT/2022-23/ 330

Date 06 DEC 2022



**Proceedings of the meeting held by Justice Subhas B. Adi,
Chairman, State Level Committee, (Constituted as per Hon'ble
NGT, Principal Bench, New Delhi Order O.A. NO. 606/2018) on
19.11.2022 at 3:00 PM, 3rd floor, #49, Parisara Bhavana,49,
Church street, Bengaluru-560001**

Preamble:

To review the implementation of Solid Waste management (SWM) Rules,2016; the Plastic Waste Management Rules, 2016; the Construction and Demolition Waste Management Rules, 2016; the Biomedical Waste Management Rules,2016; E-Waste Rules, 2016; Hazardous Waste Management Rules,2016 and to implement the direction of the Hon'ble National Green Tribunal (NGT) with respect to O.A No. 606/2018, it became necessary to adopt certain best practices to minimize the waste generation as well as to manage the same as per the SWM Rules, hence, a meeting was convened with the different government departments viz., Urban Development Department, Department of Health and Family Welfare, Environment and Ecology, Rural Development and Panchayath Raj



Department, Primary Education Department, Higher Education Department, Department of Public Instruction, Central Pollution Control Board, Directorate of Municipal Administration & Swachh Bharat Mission and Religious and Charitable Endowment.

Waste management rules have come into force in 2016, as per schedule to the rules, the implementation of these rules was required to be completed within three years from date of the notification of the rules. However, despite lapse of more than six years the progress in implementation of the said rules is not satisfactory.

In this context it would be appropriate to mention here that, protection of environment is fundamental duty of every citizen under article 51A of the constitution of India. It is proved beyond doubt that, waste for which these rules are made causes major impact on the environment. In this regard apart from the requirement of compliance of SWM rules, the National Green Tribunal (NGT) is not only monitoring environmental issues but also has been issuing directions from time to time to all the State Governments to ensure that, there is full compliance with the SWM Rules.

Apart from UNO, all the countries also considering the importance of protection of environment, and have been deliberating on the issue of protection of environment and ecology. Under Article 21 of the constitution of India it is the fundamental right of every citizen to have clean water, air and environment. To

have pollution free air and water it would become is possible only when the citizens acts and participates in protection of the environment by complying with his responsibilities as per rules. Hence, in this regard, there is a need to bring certain behavioral changes amongst the citizens to ensure clean-green, garbage free city and with this object this meeting is held by the State.

Following officials attended the meeting:

| Sl. No. | Name of the Officer | Designation |
|----------------|------------------------------|--|
| 01 | Sri. Rakesh Singh, IAS | Additional Chief Secretary, Urban Development Department |
| 02 | Sri. Ajay Nagabhusan M.N.IAS | Secretary to Government, Urban Development Department |
| 03 | Sri. Vijay Mohan Raj, IFS | Principal Secretary, Ecology and Environmental Department |
| 04 | Smt. N. Manjushree | Director Municipal Administration, Urban Development Department |
| 05 | Sri. Tukaram Kalyanker | Deputy Secretary to Government, Urban Development Department |
| 06 | Sri. Abhijin B | Deputy Commissioner & Head Quarter's Assistant to Endowment Commissioner. |
| 07 | Sri. C Mahesh | Deputy Secretary, Development Rural Drinking Water & Sanitation (RDWSD), Bengaluru |
| 08 | Sri. Ramesh D. Naik | Senior Environmental Officer, WMC, KSPCB |

| | | |
|----|----------------------|--|
| 09 | Sri. Dr. Raj Kumar | Deputy Director & State Nodal Officer, Bio Medical Waste Management, Department of Health & PW |
| 10 | Sri. Saleem pasha | Deputy Director, Department of State Educational Research Training |
| 11 | Sri. Vivek. K | Senior Executive Engineer, Regional Directorate CPCB, Bengaluru |
| 12 | Sri. Rudresh Murthy | Environmental Officer, WMC,KSPCB |
| 13 | Smt. Hemalatha K.R | Environmental Officer, WMC,KSPCB |
| 14 | Sri. S.M. Gireesha | Executive Engineer |
| 15 | Smt. Seema R | SLWM Engineer, RDWSD |
| 16 | Sri. Nithin. S | Team Leader, SLWM Unit |
| 17 | Sri. Nagendra Prasad | Project Assistant, WMC |
| 18 | Smt. Archana | Project Assistant, WMC |

Proceedings:-

To begin with, Chairman highlighted the importance of management of solid waste in the State and role of different departments in implementing the same. Apart from the solid waste management by the local bodies, there is a need of other State Organizations to be part of solid waste management. Hence, following are the main points of agenda for discussion:

- a. Waste is not only generated in urban and rural (Panchayath area) but large quantity of waste is generated on transit namely from the passenger transport and is very difficult to manage unless appropriate action is taken. Hence, to discuss the issue of prevention, generation of waste on transit particularly from the passenger transports – Public or Private.
- b. Schools and Colleges could be the best media to create awareness in implementation of SWM Rules, 2016. Hence, to discuss, on the following aspects;
 - i. The extra curriculum to primary school children for the management of solid waste.
 - ii. Creating awareness
 - iii. Higher secondary and college student play major role in creating awareness which has created bigger impact in other cities.
 - iv. To create environment friendly schools and colleges and all also other educational institution which would not only reduce the waste generation but will enhance the beauty and environment of schools and other educational institutions.
- c. To discuss the issues related to veterinary as well as other hospitals which are operating without valid authorization from the KSPCB and not disposing the bio-medical waste as per the rules. As well for making every hospital and medical educational institutions as green

campuses from the point of the students, patients and also from the point of hospitals environment.

- d. India is place of faith and belief; we have innumerable temples, masjids, churches, gurudwars etc. and depending on the rituals different ceremonies are performed, however, to ensure that, such activities don't add to the environment problem is also an issue of discussion in this meeting.

1. The additional Chief Secretary, Urban Development Department briefed the status of Solid Waste Management in Karnataka and action being taken by the government in implementing the same.

In this regard, Chairman, SLC mentioned that, object of SWM Rules, rule 2(57) provides for minimizing the minimize generation of waste and in this regard it was suggested for implementation of the following.

- In Bengaluru 30-40% of waste is generated from the government quarters/police quarters, group houses public or private and bulk genertors. If such of the groups are identified and if it is mandatory to follow decentralized processing by encouraging in-situ processing. This would reduce the waste generation as well as substantially reduce the burden of cost of collection, transportation and processing.
- Unauthorized C&D waste collection and disposal should be banned. Policy should be adopted for mandatory registration

of vehicles which are used exclusively for collection and transportation of C & D waste as well as the user fee be prescribed and penal provisions be made to prevent unauthorized collection and transportation.

- Processing of solid waste must be dependent on the quantity of waste generation. Hence, as far as possible. Cluster of local bodies should be identified and common sites for processing be used to minimize cost of land, processing and man power and to generate quality compost or bio-methane.
- Banners, bunting, and other advertising materials are causing nuisance apart from defacing of public and private properties hence, there is need for strict action to bring a change. Today the world has become digital and has substantially reduced the use of paper in day to day life. Due to uncontrolled and unregulated advertisement has not only spoiled the beauty of the city but has increased the generation of plastic and paper waste. To have better environment and visually clean city then every city need to adopt modern technologies such as complete ban of paper and plastic advertisement and to make digital regulated authorized advertisement. It not only makes the city clean but it would reduce the waste generation as well as generates revenue to the respective local bodies with less expenditure.
- There is a special need to mention about city of Bengaluru that is, in recent days, illegal advertisements are on rampant and are totally uncontrolled. It has become passion for some

of the organizations and political parties to make public properties as their own private properties to use them for their personal purpose. Whether it is death or birthday or political or religious or for any other reason, public streets, walls are being used as of right for their selfish motive. Even, there are rules and byelaw of BBMP but BBMP is acting as silent spectator. It is very unfortunate, at least now, BBMP should wake-up and take action against all such illegal acts irrespective of the personality involved.

- Heavy user fee be prescribed for the events conducted as they generate large quantity of waste and cause huge public disturbance.
- Out of 11 Corporation, Tumkur, Mysore and Mangalore have shown improvement in implementation of waste management rules and action need to be initiated for improvement of the rest of the ULBs.
- Periodic performance assessment of each local body is required to be made and ranking be assigned based on the performance. Best performing local bodies could be suitably rewarded.

(Action:-Additional Chief Secretary, Urban Development Department)

2. Deputy Commissioner & Head Quarter's Assistant to Religious and Charitable to Endowment Commissioner briefed the chair, about the status of waste management in temples and explained that there are 205 - 'A' Grade temples, 139 - 'B' Grade temples and

34219 'C' Grade temples in the state based on the number of foot falls. 'A' Grade temples form the large temples of the state which attracts tourists and popular temples in the country with foot falls ranging from 100's to 20000s per day on regular days. These temples generate substantial quantity of waste and required interventions for management of waste. And also briefed that there are 26 No. of major temples based on the source of income they are madewaste free and also briefed to extend the same to the remaining smaller temples.

The department has taken the issue of waste management seriously and has taken up initiative to scientifically handling the waste in the major 25 temples across the state which generate more than average of 100 kgs of waste per day. In all these 25 temples which includes Kukke Subramanya Temple, SaudattiYellamma Temple, Sri Banashankari Temple- Bengaluru, Sri Chamundeshwari Temple, Mysuru etc., waste management facilities are being developed in the temples to handle the waste generated within its own premises. Most of the SWM plants are under advanced stages of construction and is planned to be operational by January 2023.

In other A & B grade temples, the regular activities in the temples do not generate more than 100 kgs. of waste and temples have tied up with local bodies i.e. gram panchayts and municipalities to handle the waste. The department has systemically introduced provisioning of budget in the temples for

management of waste and for cleanliness activities in the temples starting from 2021 which has given emphasis in temple administration towards waste management.

Further, it is to be noted that all the 'C' Grade temples very minimal waste is generated in their premises which is being handled by the temples on its own.

In this regard, chairman, SLC directed to implement the following

- Proper cleanliness should be maintained in all the temples both public and private.
- Oil, Milk, curds, candles and other materials are used for performing the rituals which could be minimized and best use of such materials could be made by collecting, disposing to the needy, which will maintain purity as well as cleanliness in the temple premises.
- Awareness of plastic ban in temple and its surrounding should be made mandatory. Every temple should be directed to prevent the entry of single-use plastic and action be taken against the violation with proper penalty.
- Large temples are generating considerable quantity of solid waste including, flowers and food items, the same be processed in-situ or disposed of by local bodies with proper segregation.
- Extra care needs to be taken where the food in form of Prasad is served as to the quality as well as hygiene further wet waste generated therein is properly processed.

- Officials from other departments be involved in this process.
- Circular be issued considering the above points.

(Action:- Commissioner, Religious & Charitable Endowment)

3. Deputy Director & State Nodal Officer, Bio Medical Waste (BMW) Management, Department of Health & Family Welfare, briefed the status of waste management in Hospitals to the chairman, SLC and informed that Government Health Care Establishments (HCE) are disposing the NBMW through CBMWTF facility in their respective districts.

In this regard, chairman, SLC directed to implement the following

- The department should involve and should have proper check on collection and disposal of BMW wastes.
- Hospital generating liquid bio medical waste should have preliminary treatment mechanism before discharging into public sewer or to the STP's.
- HCEs should have STP as per the requirement of Pollution Control Board based on the quantity of sewage generated.
- The department shall ensure that the hospital file periodical returns to the PCB as per the mandate.
- Every hospitals must become green campuses in all respect.

(Action:-Health and Family Welfare Department)

4. Deputy Director, Department of State Educational Research Training Institute briefed the action taken by the department in creating awareness among school children and carrying out different activities in this regard. The Principal Secretary, Department of Ecology and Environment suggested utilizing the “Eco Clubs” for these kinds of activities. High School students could also be involved in these activities.

In this regard, chairman, SLC directed to implement the following

- Each school and college should adopt waste management system in its premises. Subjects could be designed and included in their curriculum.
- Circulars be issued regarding the environmental responsibility of each individuals to create ecofriendly schools and colleges
- Higher education –college, university should be defined as green campus and their refinement should be taken care by
- Each premises should have mechanism to collect and dispose the dry waste to the concerned municipality. Wet waste should be used for composting by insitu processing.

(Action:-Primary Education and Higher Education department)

5. Due to lack of communication, the representatives from the transport department could not attend the meeting. In the absence of officials from transportation department the following suggestions are issued to the department for consideration and implementation.

- Railways, BMTC, KSRTC and all private passenger transport operators should take effective steps in collecting and disposal of wastes which is generated during transit.
- Arrangements should be made to keep dustbins in public/private transport vehicles to collect both dry and wet wastes separately. Proper plan be made to clear these wastes at the bus depots, wherein the agency should have proper waste processing facilities.

If required separate meeting may be conducted with the transport department to ensure effective and clean buses.

- Appropriate notice be displayed in the passenger transports to create awareness i.e.
 - i) No chewing/spitting of pan or tobacco inside the bus or outside the bus on transit and at bus stations etc.
 - ii) Passengers be made aware of use of dustbins in the bus or railway stations for disposing of wet and dry waste and to prevent waste being generated on road or rail etc.
 - iii) Minimum fine be prescribed for the violation.
 - iv) Every bus station private or public or railway station be made environment friendly by making them as clean and green.

- Wide publicity should be given in this regard and public has to be made aware of their responsibility during travelling to bring behavioral changes.
- Single used plastic be completely banned
- Throwing of waste from the running buses should be completely banned and proper mechanisms should be evolved to penalize (putting fine) by the respective driver/conductors.

(Action:-Transport Department)

6. Deputy Secretary, Development Rural Drinking Water & Sanitation (RDWSD), Bengaluru briefed the status of Solid Waste Management in Karnataka and action being taken by the government at panchayath level.

The Chairman, directed to work out the possibilities of setting up of single MSW processing plants for cluster of panchayath as the waste generated is considerably less, hence, depending upon the population of each panchayath and depending upon land availability the waste processing plants could to be setup.

Panchayaths being self-government under the constitution of India, should try to govern themselves from out of the revenue generated through the waste management which include collection of user fee, penalty and other incomes derived from processing of the waste.

7. Senior Executive Engineer, Regional Directorate CPCB, Bengaluru briefed the issues related to E-waste and Environmental Compensation notification applicable for the waste processing plants to the chairman SLC.

In this regard, chairman, SLC directed to implement the following

- Online portal issue on E-waste should be solved and be implemented as early as possible.
- Entry of illegal waste into the country be brought to notice of the Customs Department and the Local Bodies can monitor & modules in this regard be suggested to CPCB, Delhi to ensure non-entry of hazardous and plastic waste coming from outside into the country.
- EC notification from MOEF& CC regarding waste quantity in which it covers all the waste. EC requirement/exemption to be defined for solid waste processing plant in particular.

Chairman directed UDD and DMA authorities to convene meeting for assigning responsibility and duties to the each concerned officials.

Green campuses; means single use plastic free, waste management within the premises, water harvesting, use of renewable energy –solar, enhancing greenery keeping premises visually clean and beautiful etc.

The action taken report be submitted on the above observation within 15 days from the date of receipt of these proceedings. The meeting was concluded with the vote of thanks to the Chair.

Sd/-
Justice Subhas B. Adi
Chairman, State Level Committee
Constituted by NGT

Note: All Communication with respect to SLC Constitute as per Hon'ble NGT Order in the matter of O.A No. 606/2018 shall be addressed to Hon'ble Chairman, State Level Committee (Constituted as per Hon'ble NGT Order in the matter of O.A. No.606/2018), 2nd Floor, Parisara Bhavan 49, Church Street, Bangaluru-560001

A copy of the communication submitted to Hon'ble chairman shall be marked to Member Convener (SLC Constituted as per Hon'ble NGT Order in the matter of O.A No. 606/2018) and Member Secretary , Karnataka State Pollution Control Board , 5th Floor , Parisara Bhavan , 49, Church Street, Bengaluru

To,

- 1) Additional Chief Secretary to Government, Urban Development Department, Room Number 436, 4th Floor, VikasaSoudha, Bengaluru-01for information and requested to attend the meeting.
- 2) Principal Secretary to Government of Karnataka, Department Health and Family Welfare, Room Number, 105, 1st Floor, VikasaSoudha, Bengaluru-01for information and requested to attend the meeting.
- 3) Principal Secretary to Government (Environmental and Ecology), Forest Environment and Ecology Department, Karnataka Government secretariat, Room No. 708, 7th floor,

- Gate No.4, M S Building, Bengaluru-0701for information and requested to attend the meeting.
- 4) Principal Secretary to Government, Rural Development and Panchayath Raj Department, 3rd Floor, Gate No.3, M S Building, Bengaluru-01 for information and requested to attend the meeting.
 - 5) Principal Secretary, Higher Education Department, 2nd Gate, 6th Floor, M.S. Building, Bengaluru for information and requested to attend the meeting.
 - 6) The Commissioner, Primary Education Department of Public Instruction, Commissioner Office, Nrupathunga Road, Bengaluru-01 for information and requested to attend the meeting.
 - 7) Regional Director, Central Pollution Control Board, Nisarga Bhawan, 2nd Main road, Thimmaiah Road, Shivanagar, Basaveshwara Nagar Bengaluru-560079 for information and requested to attend the meeting.
 - 8) Director, Directorate of Municipal Administration & Swachh Bharat Mission(Urban) Bengaluru, Ambedkar Road, 9th & 10th Floor, Vishveshwariah Tower, Sampangi Rama Nagar, Bengaluru, Karnataka 560001
 - 9) Commissioner for Transport & Road safety, , 1st Floor, 'A' Block, T.T.M.C Building, K.H. road, Shanthinagar, Bengaluru-560027


SENIOR ENVIRONMENTAL OFFICER
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