

The Karnataka Panchayat Raj (Management of Solid Waste) Model Bye-laws, 2020

The Karnataka Panchayat Raj (Management of Solid Waste) Model Bye-laws, 2020 for handling and management of Solid Waste within the territorial limits of the Gram Panchayats which the government of Karnataka proposes to make in exercise of Section 316 of Karnataka Gram Swaraj and Panchayat Raj Act, 1993 along with provisions of the Solid Waste Management Rules, 2016 is hereby published as required by sub-section (1) of Section 316 of the said Act. This is for the information of all persons likely to be affected by it and notice is hereby given that the said draft will be taken into consideration after 30 (thirty) days from the date of its publication in the Official Gazette.

Any objection or suggestion which may be received by the State Government from any person with respect to the said draft before the expiry of the period specified above will be considered by the State Government. Objections and suggestions may be addressed to [Commissioner, Rural Drinking Water & Sanitation Department, 2nd floor, KHB Building, Kaveri Bhavan, Bangalore-560009, email-wsrdrpr@gmail.com]

CHAPTER I – GENERAL

1. Short title, commencement and application

- 1.1. These are the Karnataka Panchayat Raj (Management of Solid Waste) Model Bye-laws, 2020 and shall come into operation from the date of their publication in the Official Gazette.
- 1.2. These Bye-laws shall come into force in accordance with the procedure laid down under the Karnataka Gram Swaraj and Panchayat Raj Act, 1993.

2. Definitions

In these Bye-laws, unless the context otherwise requires -

- 2.1. “**Act**” means the Karnataka Gram Swaraj and Panchayat Raj Act, 1993, as may be amended from time to time.
- 2.2. “**Agency**” means any person or entity, including any registered organisation of Waste Pickers or Waste Traders, appointed or authorised by the Gram Panchayat or directed by the Government to act on behalf of the Gram Panchayat in accordance with an agreement, for the discharge of duties or functions under these Bye-laws.
- 2.3. “**Bio-degradable Waste**” means any organic material that can be degraded by micro-organisms into simpler stable compounds, an illustrative list which is specified in **Part A of Schedule I**.

- 2.4. “**Bio-medical Waste**” shall have the same meaning as set out in the Bio-medical Waste Management Rules, 2016.
- 2.5. “**Building**” means any temporary or permanent structure which may be mobile or immobile that generates solid waste.
- 2.6. “**Bulk Waste Generator**” means and includes
- (i) Buildings occupied by the Central government departments or undertakings, State government departments or undertakings, Gram Panchayat, Market Associations, hospitals, nursing homes, schools, colleges, universities, other educational institutions, hostels, hotels, restaurants, shops, households, commercial establishments, places of worship, marriage halls, railway stations, bus stations etc., each generating an average of 50kg or more of Solid Waste(from all waste streams) per day;
 - (ii) residential, apartment and housing complexes and Resident Welfare Associations, each generating an average of 50 kg or more of Solid Waste (from all waste streams) per day;
 - (iii) gated communities, corporate campus, technology parks and institutions with an area of more than 5000 sqm; and
 - (iv) any other Bulk Waste Generator as notified by the Gram Panchayat in accordance with these Bye-laws from time to time.
- 2.7. “**Bye-laws**” shall mean the Karnataka Panchayat Raj (Management of Solid Waste) Model Bye-laws, 2020, as amended from time to time.
- 2.8. “**Chief Executive Officer**” shall have the same meaning as set out in the Act.
- 2.9. “**Cluster**” means two or more geographically contiguous Gram Panchayats that converge for processing of Solid Waste.
- 2.10. “**Committees**” means the Village Water and Sanitation Committees and the Village Health, Sanitation and Nutrition Committees formed under Section 61-Aof the Act.
- 2.11. “**CPCB**” means the Central Pollution Control Board.
- 2.12. “**Domestic Hazardous Waste**” means household waste that can catch fire, react, contaminate or explode under certain circumstances, or that is corrosive or toxic, an illustrative list of which is specified in **Part C of Schedule I**.
- 2.13. “**Door to Door Collection**” means collection of Solid Waste from the door step of households, shops, commercial establishments, offices, institutional or any other Premises occupied by Waste Generators.

- 2.14. “**Dry Waste Collection Centre or DWCC**” means a decentralised waste management facility to aggregate, store, sort and handle Non-Biodegradable Waste that is operated by the Gram Panchayat and/or the Agency.
- 2.15. “**E-Waste**” shall have the same meaning as set out in the E-Waste Management Rules 2016.
- 2.16. “**Executive Officer**” shall have the same meaning as set out in the Act.
- 2.17. “**Government**” shall have the same meaning as set out in the Act.
- 2.18. “**Gram Panchayat**” shall have the same meaning as set out in the Act.
- 2.19. “**Gram Panchayat Development Plan**” means the development plan formulated by the Gram Panchayat in accordance with Section 309 and other applicable provisions of the Act.
- 2.20. “**KSPCB**” means the Karnataka State Pollution Control Board.
- 2.21. “**Market Associations**” means any registered or unregistered group or association of sellers, shop owners, shop keepers, traders, businessmen, dealers, merchants, vendors, brokers or other Persons of a particular market or locality including Agricultural Produce Market Committees.
- 2.22. “**Micro-plan**” means the plan for collection and transportation of Solid Waste for the smallest unit of management of the Gram Panchayat which includes allocation of the manpower and vehicles and schedule of Street Sweeping in such unit.
- 2.23. “**Non-biodegradable Waste**” means any Solid Waste that cannot be degraded by microorganisms into simpler stable compounds.
- 2.24. “**Panchayat Development Officer**” shall have the same meaning as set out in the Act.
- 2.25. “**Person**” includes any individual or association of individuals whether incorporated or not.
- 2.26. “**Point to Point Collection**” means the system wherein segregated Solid Waste is deposited by the Waste Generator at such places and storage points which may be designated by the Gram Panchayat for onward delivery provided by the Gram Panchayat or Agency.
- 2.27. “**Premises**” means any land, building or part of a building and includes any gardens and grounds appertaining to a building or part thereof and structures constructed on the land, used for purposes of residence, trade, industry, business, government or any other public or private purpose including weddings, meetings, exhibitions, organized events etc.

- 2.28. “**Receptacle**” means container, including bins and bags, used for the storage of any category of Solid Waste.
- 2.29. “**Recyclable Non-biodegradable Waste**” means Non-biodegradable Waste that can be transformed through a process into raw materials for producing new products, which may or may not be similar to the original products, an illustrative list of which is specified in **Schedule Part B of Schedule I**.
- 2.30. “**Resident Welfare Associations**” means a group or association of owners and/or occupiers of residential premises of a particular neighborhood or locality that may or may not be registered with the Registrar of Co-operative Societies.
- 2.31. “**Sanitation Motivator**” means an individual engaged by the Gram Panchayat in accordance with the Swacchagrahi Guidelines, 2018, issued by the Government of India and/or any other subsequent applicable regulations, for sanitation related activities in the Gram Panchayat.
- 2.32. “**Sanitary Landfill**” means the final and safe disposal facility of residual Solid Wastes and inert waste which is designed in accordance with various applicable regulations to prevent the pollution of ground water, surface water, air fugitive dust, wind-blown litter, bad odour, fire hazard, animal menace, bird menace, pests or rodents, greenhouse gas emissions, persistent organic pollutants, slope instability.
- 2.33. “**Sanitary Waste**” means wastes comprising of used diapers, sanitary towels or napkins, menstrual cloth and cups, incontinence sheets, tampons, condoms, ear buds, toilet paper, bandage, cotton swabs, syringes from households and any other similar waste.
- 2.34. “**Solid Waste**” means and includes solid or semi-solid domestic waste, Sanitary Waste, commercial waste, institutional waste, catering and market waste and other non-residential wastes, Street Sweepings, silt removed or collected from the surface drains, horticulture waste, agriculture waste, excluding industrial waste, Bio-medical Waste, E-waste, battery waste and radio-active waste generated within the Gram Panchayat.
- 2.35. “**Street Sweeping**” means the sweeping and collection of Solid Waste from public streets, parks and other public areas and cleaning of surface drains/ trenches abutting public streets and related activities.
- 2.36. “**SWM Rules**” means the Solid Waste Management Rules, 2016, as may be amended from time to time.
- 2.37. “**SWM User Fee**” means a fee imposed by the Gram Panchayat on the Waste Generator to cover the whole or part of the cost of providing Solid Waste collection, transportation, processing and disposal services by the Gram Panchayat and/or the Agency in accordance with these Bye-laws.

- 2.38. **“Waste Generator”** means and includes Persons or group of Persons, every Building, residential premise and non-residential establishment including Indian Railways and defence establishments, which generate Solid Waste.
- 2.39. **“Waste Picker”** means a person or groups of persons informally engaged in collection and recovery of Non-Biodegradable Waste from the source of waste generation, streets, bins, dumping areas, public areas etc. for sale to recyclers directly or through intermediaries such as Waste Traders to earn their livelihood.
- 2.40. **“Swachatha Worker”** or **“Sanitary Worker”** means a person employed by the Gram Panchayat or Agency, either directly or indirectly who is responsible for
- (i) Street Sweeping including drain cleaning;
 - (ii) Door-to-Door Collection such as collection of Solid Waste using pushcarts/small auto-tippers (excluding night soil);
 - (iii) operations in waste processing units such as composting, bio-methanation, Dry Waste Collection Centres and other waste processing units; and/or
 - (iv) other sanitation and waste management activities as required by the Gram Panchayat from time to time.
- 2.41. **“Waste Traders”** means Persons and entities who are involved in the sorting, sale and purchase of Non-biodegradable Waste including scrap dealers, itinerant buyers, and traders.

Any words or expressions not defined in these Bye-laws shall have the same meaning as in the Solid Waste Management Rules, 2016.

CHAPTER II – SOLID WASTE MANAGEMENT PLANNING

3. Solid Waste management planning and budgets:

- 3.1. The Gram Panchayat, either individually or as a Cluster, shall prepare a detailed five year sanitation plan, which shall be composed of yearly plans, as a part of the Gram Panchayat Development Plan.
- 3.2. The Gram Panchayat sanitation plan shall contain details of the following:
- (i) implementation timelines and annual milestones to be achieved by the Gram Panchayat,
 - (ii) assets and infrastructure relating to Solid Waste management,
 - (iii) human resources required for Solid Waste management activities in the Gram Panchayat,
 - (iv) funding requirements for capital and operational expenses including sources of the funds to cover such expenses,
 - (v) monitoring and evaluation parameters,

- (vi) capacity building, awareness and behavioural change activities; and
 - (vii) any other details that may be communicated by Karnataka Rural Drinking Water & Sanitation Department, from time to time.
- 3.3. The Gram Panchayat shall, either individually or as a Cluster, prepare a detailed project report for management of Solid Waste generated within the territorial limits of the Gram Panchayat or the Cluster, as the case may be, on the basis of Micro-plans relating to collection mechanism and processing of Solid Wastes
- 3.4. Such detailed project report and Micro-plan shall contain details for each of the following:
- (i) collection times for different categories of Solid Waste,
 - (ii) details of the collection vehicles and points,
 - (iii) map of the village(s) in the Gram Panchayat or the Cluster,
 - (iv) roads/public streets for Street Sweeping,
 - (v) personnel required for carrying out Solid Waste management activities,
 - (vi) other information required for effective implementation of the Solid Waste management that may be communicated by Karnataka Rural Drinking Water & Sanitation Department from time to time.
- 3.5. The Gram Panchayat shall prepare annual budgets as a part of the Gram Panchayat Development Plan which shall include:
- (i) the capital costs required for initial investment in Solid Waste infrastructure and facilities,
 - (ii) the recurrent expenditures required to operate and maintain the facilities and,
 - (iii) the programme costs for activities such as capacity building including training, information education and communication, behavioural change and awareness activities.

The Gram Panchayats shall reserve at least 25% of their total budget for all sanitation and solid and liquid waste management infrastructure, operations and activities every year.

- 3.6. The Gram Panchayat shall open a separate bank account for sanitation and waste management activities including management of Solid Waste, in which all amounts collected as SWM User Fees, grants and fund under various schemes from the central government and state shall be deposited. The funds from this bank account shall only be used towards the costs incurred by the Gram Panchayat in fulfilling its functions relating to sanitation and waste management. The transactions of this bank account will be audited periodically and in a manner determined by the Karnataka Rural Drinking Water & Sanitation Department in accordance with applicable law.

CHAPTER III – POWERS AND FUNCTIONS

4. Powers and Functions of Different stakeholders in the Gram Panchayat

4.1. The Gram Panchayat shall be primarily responsible for the collection, processing and disposal of Solid Waste in accordance with these Bye-laws.

4.2. **Planning and Management:** The Village Water and Sanitation Committee and/or Village Health, Sanitation and Nutrition Committee formed under the Act, or, in their absence, the Gram Panchayat, shall be responsible for the following functions related to Solid Waste management:

- (i) Identification and allocation of land within the Gram Panchayat for Solid Waste management activities such as processing of Bio-degradable Waste and storage of Non-Biodegradable Waste in a Dry Waste Collection Centre.
- (ii) Preparation of the sanitation plan as a part of the Gram Panchayat Development Plan, detailed project report, micro-plans, annual budgets for sanitation and waste management systems and approval of such plans and budgets in the Gram Sabha.
- (iii) Ensure that funds for discretionary functions of the Gram Panchayat have been allocated only after meeting the requirement of necessary funds for Solid Waste management and other obligatory functions of the Gram Panchayat as per the Act.
- (iv) Enforcement and collection of SWM User Fees for Solid Waste management services.
- (v) Approve works and expenditures for Solid Waste Management activities, procure capital infrastructure such as machinery, vehicles and equipment and organise for agencies for capital infrastructure such as DWCC, waste collection vehicles and composting or bio-methanation units.
- (vi) Engage personnel and/or Agency for different activities such as collection, transportation and processing of Solid Waste and for various awareness, information, educational and behavioural change activities within the Gram Panchayat.
- (vii) Provide logistical support for transportation of Non-recyclable Non-Biodegradable Waste to nearest aggregation centre in Taluk Panchayat and/or Zilla Panchayat, as may be necessary.
- (viii) Help create a system to recognise organisations (including self help groups) of Waste Pickers and promote and establish a system for integration of these authorised Waste-Pickers to facilitate their participation in Solid Waste management including door to door collection of waste.
- (ix) Assessment of quantifiable impacts such as improvement in source segregation, reduced dumping and burning of Solid Waste, increased recovery of resources from Solid Waste, improvement in local health and environment due to proper waste management systems through itself and/or other qualified agencies.
- (x) Half yearly review of annual budgets for Solid Waste management activities against the expenditures and quarterly and annual reports on implementation progress and operational performance of Solid Waste management activities.

- (xi) Facilitate social audit of the sanitation plan developed by the Gram Panchayat in accordance with the guidelines issued by the state by involving all primary stakeholders, beneficiaries, vulnerable communities and other members of the Gram Panchayat as may be required for a comprehensive review of the sanitation plan.
 - (xii) Compliance with all the duties listed for Gram Panchayats in Plastic Waste Management Rules, 2016 and enforcement of the ban on use of plastic issued by Forest, Ecology and Environment Department, Government of Karnataka as per Notification No. FEE 17 EPC 2012, Bangalore dated March 11, 2016.
 - (xiii) Any other role and/or responsibility as may be directed in accordance with applicable law by the Gram Panchayat, district and state authorities.
- 4.3. The transaction of business of the Gram Panchayat and its Committees, shall take place in the meetings of the Gram Panchayat or its Committees as per the procedure established under the Act, provided that the Gram Panchayat and/or the Committees shall meet for the purposes of these Bye-laws at least once every three months in a year.
- 4.4. **Panchayat Development Officer:** The Panchayat Development Officer shall be responsible for the following functions and responsibilities related to Solid Waste management:
- (i) Assist the Gram Panchayat and Village Water and Sanitation Committee and/or Village Health, Sanitation and Nutrition Committee in preparation of the sanitation plan as a part of the Gram Panchayat Development Plan, detailed project report, micro-plans, annual budgets for sanitation and waste management systems, and computation and finalisation of the SWM User Fees.
 - (ii) Provide information to the Gram Panchayat members about various technologies, schemes etc. relating to Solid Waste management.
 - (iii) Supervise implementation, operation and maintenance of Solid Waste management systems such as Door to Door Collection, Street Sweeping, construction of compost pits, bio-methanation plants and DWCC, Sanitary Landfills (if applicable) and operations of such processing and disposal facilities.
 - (iv) Assist the Gram Panchayat in procuring suitable vehicles and equipment for Solid Waste management.
 - (v) Menstrual hygiene management activities, including awareness generation among the general public, with particular focus on women and adolescent girls, and safe disposal of Sanitary Waste.
 - (vi) Daily financial management and maintenance of records of the Solid Waste management systems, including review of accounts, resources, assets and systems.
 - (vii) Assisting the Gram Panchayat and the Committees in preparing the reports, forms and other documents evidencing status and progress of Solid Waste management systems.
 - (viii) Any other role and/or responsibility as may be directed as per applicable law by the Gram Panchayat, district and state authorities.

4.5. **Non-governmental and community based organisations:** The Gram Panchayat may entrust the following roles relating to Solid Waste Management to non-governmental and/or community based organisations and self-help groups:

- (i) Support the Gram Panchayat in planning, dissemination and execution of various awareness, information, educational and behavioural change activities involving the entire community.
- (ii) Involvement in training and capacity building of the Gram Panchayat officials, Sanitation Motivators, Swachatha Worker, Agencies and other Persons involved in Solid Waste management.
- (iii) Assist the Gram Panchayat in implementation of sanitation plan and other waste management programs.
- (iv) Carry out surveys and monitor the impact of the sanitation and waste management programs and assist in the social and other independent audits of Solid Waste management systems.
- (v) Door to door collection, transportation and processing of Solid Waste generated in the Gram Panchayat as may be entrusted by the Gram Panchayat.
- (vi) Any other role as may be directed by the Gram Panchayat, district and state authorities, in accordance with applicable law.

4.6. **Sanitation Motivators:** The Sanitation Motivators shall have the following functions, as may be entrusted by the Gram Panchayat:

- (i) Assist Gram Panchayat in preparation of Gram Panchayat sanitation plan, detailed project report, Micro plans and other waste management plans.
- (ii) Facilitate strengthening and capacity building of members of Committees, Swachatha Worker, Agencies and other Persons involved in Solid Waste management activities.
- (iii) Assist in planning, dissemination and execution of various awareness, information, educational and communication activities and facilitate sustained behaviour change.
- (iv) Evaluate the quality of the infrastructure being built for Solid Waste management, equipment and other assets procured in this regard.
- (v) Raise awareness about the proper operations and maintenance of the assets created for safe sanitation and Solid Waste management.
- (vi) Ensure sustainability of the Solid Waste management program by assisting the PDO with monitoring activities and maintenance of records of data at the Gram Panchayat level.
- (vii) Menstrual hygiene management activities including awareness generation and safe disposal of Sanitary Waste.
- (viii) Carry out surveys and monitor the impact of the sanitation and waste management programs and assist in the social and other independent audits of Solid Waste management systems.
- (ix) Any other role as may be directed by the Gram Panchayat, district and state authorities, in accordance with applicable laws.

CHAPTER IV – SEGREGATION OF SOLID WASTE

5. **Segregation of Solid Waste into different categories at source by the Waste Generator**
- 5.1. Every Waste Generator, including Bulk Waste Generators, shall be required to segregate Solid Waste at source of generation into the following categories:
 - (i) Bio-degradable Waste, also referred to as Wet Waste,
 - (ii) Non- biodegradable Waste, also referred to as Dry Waste,
 - (iii) Domestic Hazardous Waste, including Sanitary Waste,
- 5.2. The Sanitary Waste shall be securely wrapped in pouches provided by the manufacturers or brand owners or in appropriate wrapping which shall clearly indicate its nature and all Sanitary Waste shall be stored with the Domestic Hazardous Waste.
- 5.3. The Bio-degradable Waste, Non- biodegradable Waste and Domestic Hazardous Waste (along with Sanitary Waste) shall each be stored separately, without mixing them, in specified Receptacles for handing over or delivery to Gram Panchayat and/or Agency, as the case may be.
- 5.4. The colour of the Receptacles where the following segregated Solid Waste shall be stored before eventual handover to Gram Panchayat and/or Agency, as the case may be, shall be:
 - (i) Green for Bio-degradable Waste, in the event the Gram Panchayat is carrying out Door to Door Collection of Bio-degradable Waste;
 - (ii) Blue for Non-biodegradable Waste or high density polyethylene (HDPE) bag, and
 - (iii) Red for Domestic Hazardous Waste including Sanitary Waste.
- 5.5. **Duty of specific categories of Waste Generators:**
 - (i) The Waste Generators such as street vendors shall segregate the Solid Waste generated during the course of its activity such as food waste, disposable plates, cups, cans, wrappers, coconut shells, leftover food, vegetables, fruits and similar items in accordance with the categories set out in Bye-law 5.1.
 - (ii) Every occupier of any Premises who generates poultry, fish and slaughter waste as a result of any commercial activity, shall store such waste separately in a closed and hygienic condition and such waste shall not be mixed with any other category of Solid Waste.

CHAPTER V – COLLECTION AND TRANSPORTATION OF SOLID WASTE

6. Door to Door Collection of segregated Solid Waste

- 6.1. The Gram Panchayat shall be responsible for Door to Door Collection of segregated Solid Waste at such times and in such manner as shall be notified by the Gram Panchayat in accordance with these Bye-laws.
- 6.2. The Gram Panchayat shall notify the area-wise time slots including the relevant day of the week, the frequency and the manner (through pushcarts or automated vehicles) of Door to Door Collection of different categories of Solid Waste in accordance with Bye-law 6.3, provided that the Gram Panchayat shall collect Non-biodegradable Waste at least once a week subject to the payment of SWM User Fee under Chapter X of the Bye-laws. Such notifications shall be published in the Gram Panchayat office and other prominent and visible areas of the Gram Panchayat.
- 6.3. The Gram Panchayat shall take into account the following factors while determining the frequency and manner of Door to Door Collection as per Bye-Law 6.2:
 - (i) density of population,
 - (ii) characteristics of the Solid Waste,
 - (iii) width of the streets, and
 - (iv) manpower and funds available with the Gram Panchayat.
- 6.4. The Waste Generators may handle the Bio-degradable Waste onsite or offsite by feeding it to livestock, through home composting, bio-methanation or any other forms of treatment as permitted under applicable laws or guidelines, instead of handing over such waste for Door-to-Door Collection.
- 6.5. In addition to Door to Door Collection of Solid Waste under Bye-law 6.1, the Gram Panchayat and/or Agency, as the case may be, shall also collect Solid Waste from public places such as roads, public streets, common areas, playgrounds, parks, markets, gardens, tourist areas and similar areas at specified times and days.
- 6.6. The Gram Panchayat may designate an Agency in accordance with applicable laws to implement Door to Door Collection of all and/or certain categories of segregated Solid Waste, from Waste Generators in all villages of the Gram Panchayat.
- 6.7. The Gram Panchayat shall designate a specific days in a week and vehicles for collection of slaughterhouse waste and the relevant occupier/owner shall ensure that such waste is ready for collection on the designated days and times.

- 6.8. The Gram Panchayat shall assess the number of vehicles, push-carts and **Swachatha**/Sanitary Workers that will be allotted to each village for efficient collection of Solid Waste and to ensure that there is no inter-mixing of segregated Solid Waste.
- 6.9. The ratio of number of Swachatha/Sanitary Workers and vehicles with respect to number of Waste Generators shall be computed in accordance with the methodology as may be specified by the Karnataka Rural Drinking Water & Sanitation Department from time to time.
- 6.10. It shall be the duty of every Waste Generator to assist the Gram Panchayat and/or Agency in collection of the segregated Solid Waste by ensuring the Solid Waste is segregated and deposited in correct Receptacles and is ready for collection at the appointed time in accordance with the time-slots published by the Gram Panchayat or Agency.
- 6.11. The Door to Door Collection of segregated Solid Waste shall be implemented in the following manner:
- (i) The Gram Panchayat or Agency shall publicly announce its arrival at the specified area for Door to Door Collection.
 - (ii) The Waste Generator shall handover the Solid Waste to the Gram Panchayat and/or Agency upon its arrival at the specified area.
 - (iii) In the event the Waste Generator is not available to handover the Solid Waste, such Waste Generator shall ensure that the Solid Waste is stored in a segregated manner at a prominently visible, convenient and accessible place for the Gram Panchayat and/or Agency to collect the Solid Waste. The segregated Solid Waste should not be left in the open without an enclosure where they are susceptible to be wind, water or animals.
- 6.12. There shall be no mixing of segregated Solid Waste during the collection and transportation of the Solid Waste.
- 6.13. The collected Bio-degradable Waste will be transported to composting units, bio-methanation plants or any other processing unit which complies with SWM Rules and/or applicable CPCB and KSPCB guidelines.
- 6.14. The Non-biodegradable Waste and/or Domestic Hazardous Waste (including Sanitary Waste) will be transported to the Dry Waste Collection Centre of the Gram Panchayat or any other authorised site designated by the Gram Panchayat.
- 6.15. The different streams of Solid Waste shall be processed in accordance with provisions contained in Chapter VI of the Bye-laws.

7. Point to Point Collection of Solid Waste

7.1. Until Door to Door Collection is implemented by the Gram Panchayat, the Gram Panchayat may, through notification, designate certain areas and collection points within its jurisdiction for Point to Point Collection, where segregated Solid Waste shall be deposited by Waste Generators.

8. Vehicles for transportation of Solid Waste:

8.1. The Gram Panchayat will deploy suitable vehicles for the collection of Solid Waste including auto-tippers or vehicles having separate compartments for carrying Bio-degradable, Non-biodegradable Waste and Domestic Hazardous Waste.

8.2. In the event it is not feasible to have three compartments for different streams of Solid Waste, separate days shall be designated for collection of Bio-degradable, Non-biodegradable Waste and Domestic Hazardous Waste to ensure that there is no mixing of different categories of Solid Waste.

8.3. The vehicles used for transportation of Solid Waste shall be covered in such a manner that the collected waste is not

- (i) exposed to the open environment, or
- (ii) visible to the public and
- (iii) scattered on the road and/or open areas during transportation.

CHAPTER VI – PROCESSING AND DISPOSAL OF SOLID WASTE

9. Facilities to be provided by the Gram Panchayat:

9.1. The Gram Panchayat shall, either individually or as a Cluster, comply with the following provisions with respect to processing and disposal of Solid Waste:

- (i) The Gram Panchayat shall identify suitable site(s) for storage and processing of different streams of Solid Waste within one year from the date of coming into force of these Bye-laws.
- (ii) The Gram Panchayat shall construct, operate and maintain solid waste processing facilities and associated infrastructure on its own or through an Agency.
- (iii) The Gram Panchayat shall utilise suitable technology as per the guidelines issued by Karnataka Rural Drinking Water & Sanitation Department, KSPCB, CPCB and/or any other appropriate authority, in order to minimise the use of Sanitary Landfills.
- (iv) The facilities shall have adequate utilities to ensure clean & hygienic conditions including provision of water and toilets, for the avoidance of adverse health and environmental conditions.

- (v) All processing facilities shall comply with any additional standards, specifications and guidelines notified by KSPCB, CPCB, Karnataka Rural Drinking Water & Sanitation Department and/or relevant authority or prescribed by any law for the time being in force.

9.2. Dry Waste Collection Centres:

- (i) The Gram Panchayat shall provide for Dry Waste Collection Centre(s) for collection and sorting of Non-biodegradable Waste, either by itself or through an Agency, which shall be operational within one year of notification of these Bye-Laws.
- (ii) The Gram Panchayat may identify suitable existing buildings or sheds for use as Dry Waste Collection Centres.
- (iii) Recyclable Non-Biodegradable Waste from the Dry Waste Collection Centres shall be sold to Waste Traders and/or recyclers authorised by competent authorities.
- (iv) Non-Recyclable Non-Biodegradable Waste and Domestic Hazardous Waste from the Dry Waste Collection Centres shall be aggregated at the hobli or taluka level for appropriate processing and disposal such as waste-to-energy technologies, co-processing at cement plants, disposal at Sanitary Landfills and any other processing/disposal method prescribed by KSPCB and/or CPCB.

9.3. Bio-degradable Waste processing unit:

- (i) The Gram Panchayat will provide, by itself or through an Agency, processing units for composting, vermi-composting, microbial composting, aerobic composting, anaerobic digestion, bio-methanation or any other KSPCB and/or CPCB approved process for stabilisation of Bio-degradable Waste.
- (ii) The processing units shall be operational in each Gram Panchayat within one year of notification of these Bye-Laws.

9.4. Disposal of Sanitary Waste:

- (i) The Gram Panchayat shall ensure that Sanitary Waste, is processed along with Bio-medical Waste, at the nearest common biomedical treatment facility and/or incinerators.
- (ii) Until the common biomedical treatment facility and/or incinerators are not available, the Gram Panchayat shall dispose the Sanitary Waste in safe local incinerators and/or by any other appropriate method that complies with the relevant standards issued by the CPCB, KSPCB and/or any other appropriate authority.

9.5. Disposal of slaughterhouse waste:

Waste generated from slaughterhouses, poultry, meat and fish markets/commercial shops will be processed or disposed through controlled incineration or deep burial where

stipulated scientific standards are followed and/or any other method approved by CPCB, KSPCB and/or any other appropriate authority.

9.6. Disposal at Sanitary Landfills:

- (i) The Gram Panchayat shall, on its own or through an Agency, construct, operate and maintain Sanitary Landfills and associated infrastructure in accordance with standards prescribed under SWM Rules, for disposal of residual waste (i.e. Solid Waste which cannot be processed in accordance with Bye-laws 9.2 to 5) and inerts.
- (ii) The Gram Panchayat and/or Cluster of Gram Panchayats shall establish, operate and maintain Sanitary Landfills in accordance with SWM Rules, guidelines issued by CPCB, KSPCB, Karnataka Rural Drinking Water & Sanitation Department and/or any other competent authority after carrying out appropriate pre-feasibility studies and other required tests/pilot projects.
- (iii) The residual Solid Waste and inerts which cannot be processed by any of the methods set in Bye-laws 9.2 to 5 above shall be disposed in Sanitary Landfills in a scientific manner by the Gram Panchayat.
- (iv) The Gram Panchayat shall ensure that the Solid Waste disposed in Sanitary Landfills does not exceed 15% of the Solid Waste generated within the territorial jurisdiction of the Gram Panchayat.

9.7. Waste management in tourist spots: The Gram Panchayat will have the following responsibilities when it comes to management of Solid Waste in the tourist areas:

- (i) The Gram Panchayat will ensure that tourists comply with provisions of Bye-law 12 relating to prohibition of littering and they shall be directed to deposit Solid Waste in the Receptacles that shall be placed by the Gram Panchayat at all tourist destinations.
- (ii) Gram panchayat shall arrange to convey the provisions of waste management under these Bye-laws and generally provide information regarding Solid Waste management to all tourists visiting these areas at the entry point or in any other manner deemed fit by the Gram Panchayat.
- (iii) Gram panchayat may levy waste management charges from the tourist at the entry point or in any other manner to make the waste management services in such tourist areas sustainable.

9.8. Prohibition on Open dumping and burning of Solid Waste: Open dumping of Solid Waste and disposal by burning of any type of Solid Waste is prohibited. The Gram Panchayat shall handle instances of open dumping or burning of Solid Waste in the following manner:

- (i) The Gram Panchayat shall serve a notice to the relevant Waste Generator and/or occupier of the Premises, as the case may be, requiring such Person to clear any waste on such premises in a manner and within a time specified in such notice.

- (ii) If the Person on whom the notice has been served fails to comply with the requirements imposed by the notice, the Gram Panchayat shall take all or any of the following actions:
 - (a) enter the premises and clear the waste and recover from the Person the expenditure incurred in having done so; or
 - (b) impose penalties for dumping of Solid Waste in accordance with these Bye-laws.

9.9. **Occupational safety:** The Gram Panchayat shall ensure occupational safety of its own staff including Swachatha/Sanitary Workers and staff of the Agency involved in Solid Waste management activities by providing appropriate and adequate personal protective equipment including uniforms, hand gloves, raincoats, appropriate foot wear and masks to all workers handling Solid Waste and ensuring that these are used by the workforce.

9.10. **Compliance with extended producer responsibility:** All manufacturers, producers and brandowners who introduce products in the Gram Panchayat that generate plastic waste shall directly or indirectly through government, comply with all its extended producer responsibility obligations as set out in Plastic Waste Management Rules, 2016.

CHAPTER VII – IDENTIFICATION OF BULK WASTE GENERATORS AND THEIR OBLIGATIONS

10. Identification of a Bulk Waste Generator

10.1. Public notice and verification:

- (i) Within thirty days of these Bye-laws coming into force, the Gram Panchayat shall issue a public notice in the format set out in **Schedule II**, informing the public about the provisions relating to Solid Waste management which are applicable to Bulk Waste Generators.
- (ii) The Gram Panchayat shall also carry out field surveys as per its own records to identify individual Bulk Waste Generators and issue notices to them as per the format set out in **Schedule III**, with instructions or for complying with the applicable provisions of these Bye-laws.

10.2. Responsibilities of Bulk Waste Generators: All Bulk Waste Generators shall:

- (i) to the extent possible, manage the Bio-degradable Waste in their Premises by themselves and handle Non-biodegradable Waste through their own arrangement in accordance with these Bye-laws;
- (ii) directly deposit their segregated Solid Waste to Bio-degradable Waste processing facilities and Dry Waste Collection Centres upon payment of processing fees component of the SWM User Fees to Gram Panchayat; and/or

- (iii) avail the services of Gram Panchayat for the collection, transport and processing of Solid Waste generated as a part of the Door to Door Collection system upon payment of SWM User Fees set out in **Schedule V**.

10.3. The Bulk Waste Generators who do not use the services of the Gram Panchayat under these Bye-laws shall be required to submit an annual return on the amount of Solid Waste generated at its Premises which is collected, processed and disposed in the form set out in **Schedule IV**.

CHAPTER VIII – STREET SWEEPING AND PROHIBITION OF LITTERING

11. Regular cleaning and Street Sweeping:

11.1. The Gram Panchayat shall:

- (i) Within its territory, be responsible for the cleaning of all public places including markets, parks, public streets and gardens, as well as ensuring regular Street Sweeping through Swachatha/Sanitary Workers.
- (ii) By notification, determine the frequency of Street Sweeping, the location of community bins and related activities, having regard to vehicular and pedestrian traffic, density of population, extent of commercial activity, labour welfare/safety and local situation in any public street or public areas, as stipulated by the normative standards which may be notified by the Karnataka Rural Drinking Water & Sanitation Department, from time to time.

11.2. The Gram Panchayat shall provide adequate and appropriate cleaning tools and equipment such as brooms and collection plates among others to the Swachatha/Sanitary Workers.

11.3. The Solid Waste collected from these street sweepings shall not be mixed with the segregated waste collected from the Waste Generators through Door to Door Collection. The Solid Waste collected from these Street Sweepings shall be segregated if required and the Gram Panchayat shall provide for transportation of:

- (i) Bio-degradable Waste to a convenient Bio-degradable processing facility; and
- (ii) Non-Biodegradable Waste to DWCC and/or any other processing facility as may be notified by the Gram Panchayat from time to time.
- (iii) Inert and residual waste to Sanitary Landfill, if available within the Gram Panchayat and/or Cluster of Gram Panchayats.

12. Prohibition of littering and provision of community bins

12.1. No Person shall throw, deposit or cause to be thrown or deposited any Solid Waste in any public place including agricultural fields, playgrounds, common areas, streets, market areas, drains and sewage system, any type of water body (natural or manmade) or open areas, except in the manner provided for in these Bye-laws, or any other applicable law.

12.2. Community bins in public places:

- (i) The Gram Panchayat shall provide and maintain suitable community bins/Receptacles in public places such as roads, public streets, playgrounds, gardens, parks, tourist areas and similar places, through itself or through an Agency where litter can be deposited by the public.
- (ii) The Gram Panchayat and/or the Agency shall ensure that the community bins/ Receptacles are not overflowing or exposed to the open environment and take steps to prevent their scattering by stray animals or birds.
- (iii) There shall be separate community bins/ Receptacles for Bio-degradable Waste and Non Bio-degradable Waste.

CHAPTER IX – EVENTS AND PUBLIC GATHERINGS

13. Public gatherings and events in public places:

13.1. Obligations of organizers:

- (i) The organiser of events or gatherings of more than one hundred Persons at any licensed or unlicensed place and events in public places for any reason (including for processions, exhibitions, circus, fairs, political rallies, commercial, religious, socio-cultural events or demonstrations.) shall ensure that Solid Waste is segregated, collected and processed in accordance with these Bye-laws no later than 24 hours after the completion of the event.
- (ii) In case the organizer of such event wish to avail the services of Gram Panchayat for the cleaning, collection and transport of Solid Waste generated as a result of that event, they shall apply to the concerned authority at the Gram Panchayat and pay the necessary charges in advance as may be fixed for this purpose by Gram Panchayat.

13.2. Refundable Cleanliness Deposit:

- (i) The organiser of the public gatherings and events, as set out in Bye-law 13.1, shall, prior to the gathering or event, deposit such amount with the Gram Panchayat, as may be determined by the Gram Panchayat having regard to the size of the event and the amount of Solid Waste likely to be generated.
- (ii) Any amount deposited with the Gram Panchayat under this Bye-law shall be refundable on the completion of the event, after the Gram Panchayat has determined that the Solid Waste generated as a result of the event has been segregated, collected and transported to designated sites in accordance with these Bye-laws.

- (iii) In the event the public space is not restored to a clean state within twenty four hours of the completion of the event, the cleanliness deposit paid to the Gram Panchayat shall be forfeited and the organiser shall be penalized as per these Bye-laws.

CHAPTER X –USER FEES FOR MANAGEMENT OF SOLID WASTE

14. Provisions with respect to user fees payable to Gram Panchayat

- 14.1. The Gram Panchayat shall operate and maintain the Solid Waste management system within its territory through its own funds, including SWM User Fees generated by the Gram Panchayat, within 2 (two) years of these Bye-laws being adopted by the Gram Panchayat.
- 14.2. The SWM User Fee shall be payable by the Waste Generator to Gram Panchayat and/or the Agency, as the case may be, for services of collection, transportation, processing and disposal of Solid Waste.
- 14.3. The SWM User Fee shall be payable as per the rate specified under **Schedule V** of these Bye-laws. The SWM User Fees shall be proportionately reduced in the event the Waste Generator is managing its Bio-degradable Waste, through community initiatives and/or any other manner in accordance with applicable law, and is not handing over such waste to the Gram Panchayat for processing.
- 14.4. The SWM User Fee mentioned in **Schedule V** shall stand automatically increased by 15% every three years (to the nearest multiple of Rs. 10), with effect from the first day of April of each year. These rates shall be advertised in the Gram Panchayat office and other visible public areas within the jurisdiction of the Gram Panchayat.
- 14.5. **Collection of SWM User Fee:**
- (i) The SWM User Fee shall be collected by the Gram Panchayat in person and/or through any other method and on such days as may be specified by the Gram Panchayat, preferably in first week of each month.
 - (ii) The SWM User Fee may also be collected by the Gram Panchayat by charging the amount through property tax or license fees under provisions of the Act.
 - (iii) The Gram Panchayat may evolve additional mechanisms for billing/collection/recovery of SWM User Fees, from time to time and these shall be notified through general or special order/notification.
- 14.6. The Gram Panchayat by itself or through an Agency shall prepare the database of all the Waste Generators for the purpose of levying SWM User Fee and shall regularly update such database.

- 14.7. A surcharge at the rate of 10% of the SWM User Fee per month shall be charged if the fees are not paid within 30 (thirty) days of raising the demand for the amount by the Gram Panchayat.
- 14.8. In case of default of payment of SWM User Fee for longer than three months, the Gram Panchayat or any other competent authority may recover the SWM User Fee from the defaulter as taxes under the provisions of the Act.
- 14.9. Notwithstanding anything contained in these Bye-laws, the Gram Panchayat may stop providing Solid Waste management services till such SWM User Fees are paid by the defaulter.
- 14.10. All amounts collected as SWM User Fee by the Gram Panchayat shall be used towards the Gram Panchayat's operation and maintenance costs for providing Solid Waste management services under these Bye-laws, salaries of personnel and other waste management related activities as may be considered appropriate by the Gram Panchayat from time to time.

CHAPTER XI—MONITORING OF SOLID WASTE MANAGEMENT SYSTEMS

15. Provisions with respect to solid waste management systems:

- 15.1. **Periodic reporting:** In addition to the responsibilities as may be specified in these Bye-laws, the Gram Panchayat shall periodically report the status, progress, operations of Solid Waste management systems within its territorial limits to the Executive Officer, Chief Executive Officer and state authorities in such formats and in accordance with the directions as may be issued by the Karnataka Rural Drinking Water & Sanitation Department.
- 15.2. **Audits:** Independent third party audits including social audits of the Gram Panchayat sanitation plan and Solid Waste management systems in the Gram Panchayat will be carried out in accordance with the guidelines issued by the Karnataka Rural Drinking Water & Sanitation Department.
- 15.3. **Review of Agencies:**
- (i) The Gram Panchayat and/or the Government shall regularly review the facilities and operations of the Agencies to ensure that they are in compliance with the provisions of SWM Rules, these Bye-laws and other applicable regulations.
 - (ii) In the event of any non-compliance, the Gram Panchayat and/or the Government may take action against the defaulting Agencies including notice of remedial action, cancellation for Solid Waste management services, blacklisting, imposition of fines and penalties as set out in these Bye-laws.

15.4. Regular checks and review of Detailed Project Report and Plan:

- (i) The Panchayat Development Officer, Gram Panchayat members and other officers authorised by the Gram Panchayat shall conduct regular checks in various parts of the villages and other places of collection, transportation, processing and disposal of Solid Waste within its territory to supervise compliance of various provisions of these Bye-laws.
- (ii) Such official(s) shall have right to enter, at all reasonable times, with such assistance as he considers necessary, any place for the purpose of
 - (a) performing any of the functions entrusted to him by the Gram Panchayat under these Bye-laws,
 - (b) determining compliance of the provisions of these Bye-laws.

15.5. Designated officers: The Panchayat Development Officer and other authorised officials shall have the following responsibilities:

- (i) addressing grievances of the Waste Generators and suggestions for improvements in the implementation of the Bye-laws;
- (ii) levying fines and penalties;
- (iii) collecting SWM User Fees; and
- (iv) implementing such responsibilities of the Gram Panchayat specified under these Bye-laws, as may be entrusted or delegated by the Gram Panchayat in accordance with these Bye-laws, Act and any other applicable law.

CHAPTER XII – PENALTIES AND GRIEVANCE REDRESSAL

16. Penalties:

- 16.1. Whoever contravenes or fails to comply with any of the provisions of these Bye-laws shall be punished with a fine levied by the Gram Panchayat, as specified in **Schedule VI**.
- 16.2. In case of second contravention or non-compliance, the Gram Panchayat shall have the power to levy a fine which shall be twice the amount set out against the offence in **Schedule VI**.
- 16.3. In case of third contravention or non-compliance, the Gram Panchayat shall have the power to levy a fine which shall be thrice the amount set out against the offence in **Schedule VI**.
- 16.4. In the event of any contravention after the third contravention or non-compliance, the Gram Panchayat shall have power to cancel the relevant business license that is attached to the Waste Generator (if any), recover the penalty amounts as per the different modes set out in the Act and/or take any other appropriate action as may be notified from time to time.

- 16.5. The fine or penalty mentioned in **Schedule VI** shall stand automatically increased by 10% per year (to the nearest multiple of Rs. 10) with effect from April 1 of each successive year.
- 16.6. The Gram Panchayat may, in accordance with applicable law, alter or amend or vary any of the entries as mentioned in **Schedule VI** of these Bye-laws which shall in any event not be less than the amounts set out in **Schedule VI**.
- 16.7. The Gram Panchayat shall take appropriate disciplinary action against the employees of Gram Panchayat or the Agency or Swachhata/Sanitary Workers, if any of them mix segregated Solid Waste at any point of collection or transportation, fail to pick up Solid Waste during the specified time-slots, or otherwise, violate the provisions of these Bye-laws.
- 16.8. In the event an Agency contravenes or fails to comply with any of the provisions of these Bye-laws, the Gram Panchayat shall have the power to take any one or more of the following actions:
- (i) suspension or revocation of any license given to the agency to operate any Solid Waste collection, transportation or processing facility under these Bye-laws and/or applicable regulations.
 - (ii) termination of Solid Waste management services being provided by the agency for the Gram Panchayat under the relevant contract, and/or
 - (iii) any other permissible remedial or penal action authorized under the act and/or other applicable laws.
- 16.9. The Gram Panchayat may initiate appropriate proceedings for violation of any provisions of these Bye-laws under any other law in addition to any action under these Bye-laws, including the Act, the Environment (Protection) Act, 1986, the Indian Penal code, 1860, the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981 and/or any other applicable regulations.
- 16.10. All amounts collected as penalties shall be used towards the Gram Panchayat's operation and maintenance costs for providing Solid Waste management services under these Bye-laws, salaries of personnel, incentives and other waste management activities as may be considered appropriate by the Gram Panchayat from time to time.
17. **Grievance redressal:**
- 17.1. The Gram Panchayat shall develop public grievance redressal system(s) for registering complaints regarding non-collection of Solid Waste or violations of these Bye-laws among others. These systems may include a complaint centre in each village and/or Gram Panchayat office, mobile application and/or any other mechanism which the Gram Panchayat may consider appropriate keeping in mind the local conditions of the Gram Panchayat. The grievance may be submitted in person by any citizen, through telephone,

email/website, post, on the mobile application and/or any other appropriate method as determined by the Gram Panchayat.

- 17.2. The Gram Panchayat shall ensure that each grievance is redressed in a timely and efficient manner and in no event later than 15 (fifteen) days from the date of submission of the complaint. The Gram Panchayat shall consider the type of grievance, environmental and/or health related consequences, inconvenience cause to public, associated financial costs and other relevant considerations when determining the appropriate remedial action for the grievance.
18. **Accident Reporting:** In case of an accident at any Solid Waste processing or disposal facility or landfill site, the Person - in- charge of the facility shall report to the Gram Panchayat in **Schedule VII** and the Gram Panchayat shall review and issue instructions if any, to the in- charge of the facility.

CHAPTER XIII – OTHER RESPONSIBILITIES AND DUTIES OF THE GRAM PANCHAYAT

19. In addition to the responsibilities and duties set out in other Chapters of these Bye-laws, the Gram Panchayat shall also have the following additional duties:
- 19.1. **Publicity and citizen information services:**
- (i) The Gram Panchayat shall publicise the provisions of the Bye-laws through interpersonal communication by Sanitation Motivators, community based organisations, and through signs, leaflets, announcements on radio, newspapers and any other appropriate means, so that all citizens are made aware of the Gram Panchayat's duties and their own duties in relation to segregation, littering, penalties and fines.
 - (ii) The Gram Panchayat shall provide information about segregation, composting, bio-gas generation, recycling and menstrual hygiene management at community level by conducting training classes, seminars and workshops.
 - (iii) The Gram Panchayat may, by itself or through experts in the field undertake awareness and outreach programmes about management of Solid Waste, reduction and minimising of Solid Waste, grievance redressal mechanisms under the Bye-Laws etc.
 - (iv) The Gram Panchayat shall make efforts to minimise and reduce the generation of Solid Waste by publicising the ban of plastic bags and other materials issued by the state, discouraging the production, sale and consumption of other single use disposable products through awareness programs and provision of incentives.
- 19.2. **Transparency and public accessibility:** To ensure greater transparency and public accessibility, the Gram Panchayat shall make available the following information, data and reports in relation to the activities under the Bye-laws in the offices of the Gram Panchayat during its working hours:
- (i) Name and contacts of the officers who shall be responsible for implementing the

- responsibilities of Gram Panchayat specified under these Bye-laws.
- (ii) Annual data about the quantity of Solid Waste collected and processed
 - (iii) Statistics of complaints and actions taken by the Gram Panchayat to address the complaints.
 - (iv) Details of SWM User Fee, penalties collected by and on behalf of the Gram Panchayat and the manner in which these amounts have been utilised on a monthly basis.

19.3. Creating Incentives:

- (i) The Gram Panchayat may create incentive systems for adoption of decentralised processing of Bio-degradable Waste such as bio-methanation and composting such as through waivers of SWM User Fees, awarding and recognising the relevant Waste Generator by giving certificates and publishing their names on Gram Panchayat's office.
- (ii) The Gram Panchayat may purchase any extra compost, if available, from the Waste Generator, at a specified price as notified from time to time by the Gram Panchayat for its own use or for sale at remunerative prices.

CHAPTER XIII – MISCELLANEOUS

20. **Co-ordination with government bodies:** The Gram Panchayat shall co-ordinate with other government agencies and authorities, to ensure compliance of these Bye-laws within areas under the jurisdiction or control of such bodies.
21. **Review of implementation:** The Gram Panchayat shall review the implementation of these Bye-laws at least twice a year, and shall take appropriate remedial steps to ensure the effective implementation of and execution of the benchmarks under the Solid Waste Management plan.
22. **Amendments:** Where it is expedient to do so, the Gram Panchayat may, by following the relevant procedure(s) in the Act, add to, or amend the Bye-laws with the prior permission of the Government.
23. **Repeal and saving of Orders**
- 23.1. The coming into effect of these Bye-laws shall not affect any actions taken according to the applicable rules/regulations, unless such actions violate these Bye-laws.
24. **Interpretation:** Where any discrepancy, in the interpretation of any clause or terms of these bye-laws arises, the interpretation as per this English version shall be final and shall supersede the Kannada version.

SCHEDULE I

ILLUSTRATIVE LIST OF BIO- DEGRADABLE WASTE, RECYCLABLE NON BIO- DEGRADABLE WASTE AND DOMESTIC HAZARDOUS WASTE

Part A – Illustrative list of Bio-degradable Waste:

- Kitchen waste including tea leaves, egg shells, fruit and vegetable peels, meat, bones leftover and/or stale food
- Organic market waste such as fruit and vegetable peels, rotten and/or spoilt vegetables and fruits
- Garden and leaf litter, including flowers
- Coconut shells
- Wood/ leaf ashes

Part B – Illustrative list of Recyclable Non Bio-degradable Waste*:

- Newspapers
- Paper, books and magazines
- Glass
- Metal objects and wire
- Plastic
- Aluminum cans
- Rexene
- Rubber
- Wood /furniture
- Packaging
- Fabrics
- Styrofoam
- Thermocol
- Tetrapak

**The above are sample lists and will be customized (i.e. items to be added or removed) by each Gram Panchayat based on the identified processing and recycling destinations for each item.*

Part C – Illustrative list of Domestic Hazardous Waste:

- Aerosol cans
- Batteries
- Bleaches and household kitchen and drain cleaning agents
- Car batteries, oil filters and car care products and consumables
- Oils, Chemicals and solvents and their empty containers
- Cosmetic items, chemical-based Insecticides and their empty containers
- Medicines including expired medicines
- Paints, oils, lubricants, glues, thinners, and their empty containers
- Pesticides and herbicides and their empty containers
- Photographic chemicals
- Soft foam packaging from new equipment
- Thermometers and mercury-containing products

SCHEDULE II

PUBLIC NOTICE NOTIFYING BULK WASTE GENERATOR

The Gram Panchayat hereby directs all Bulk Waste Generators of Solid Waste defined as generating 50 kg or more of Solid Waste (from all waste streams) per day to implement the provisions of the Bye-laws thereof notified by the Gram Panchayat not later than 60 days(by date.....) from the date of this notice, including segregation of Solid Waste into 3 (three) categories/streams (Bio-degradable, Non-Biodegradable and Domestic Hazardous Waste (including Sanitary Waste) at source and onsite processing of Bio-degradable Waste and other obligations relating different streams of the Solid Waste. Detailed instructions are available in the Bye-laws available at website at _ _ _ _ _)

All Waste Generators falling within the definition of Bulk Waste Generators will be classified as such unless they submit within the notice period, a self- declaration of generating less than 50 kg of waste from their premises. Such self-declaration will be subject to verification and applicable penal costs if found untrue. Such self-declarations shall be submitted to the Gram Panchayat within 20 days (by date.....) of this notice for enabling verification. Self-declarations sent/submitted after the due date will be summarily rejected.

Any violation of these Bye-laws for Bulk Waste Generators after 60 days of this notice (after date) will attract applicable penal charges/fines as stated in the Bye-laws of the Gram Panchayat.

The declaration if found false at a later date will attract penalties as per the Bye-laws of the Gram Panchayat.

Place:

Authorised Signatory on behalf of the Gram Panchayat

SCHEDULE III

INDIVIDUAL NOTICE FORMAT

To <Insert name of the proposed Bulk Waste Generator>

Subject: Categorization as Bulk Waste Generator

Considering the activities/ business carried out at your premises and the amount of Solid Waste generated by you, the Gram Panchayat has designated you as a **Bulk Waste Generator**. Accordingly, you are directed to comply with the provisions of the Bye-laws and implement segregation of waste at source, segregated storage within premises and onsite processing of Bio-degradable Waste within Premises and other obligations contained in the Bye-laws.

In case you claim not to be a Bulk Waste Generator, you are required to submit a self-declaration to that effect within 20 days otherwise it will be deemed that you have no objection to be classified as a Bulk Waste Generator. In case your self-declaration is found untrue, the same will be cancelled and penalties in accordance with the Bye-laws will be levied.

Authorised Signatory on behalf of the Gram Panchayat

SCHEDULE IV

FORM OF ANNUAL RETURN BY A BULK WASTE GENERATOR WHO DOES NOT USE THE SERVICES OF THE GRAM PANCHAYAT

S.no	Headings	Details
1.	Name and address of the Bulk Waste Generator Phone no:	
2.	Type of Bulk Waste Generator (commercial shop or establishment/ marriage halls/ place of worship/educational institutions, school, college and research institutes/government offices, courts and other Premises occupied by the local, state or central governments/ any other type of Bulk Waste Generator)	
3.	Total quantity of Solid waste generated per year (i) Bio-degradable Waste (ii) Non-biodegradable Waste (iii) Domestic Hazardous Waste (including Sanitary Waste)	
4.	Whether Bio Degradable Waste is processed on site or through any other Person	Yes/No
5.	If Bio Degradable Waste is processed through any other Person, provide name, address and phone number of such Person	
6.	Details of technologies adopted for processing Bio Degradable Waste	
(i)	Composting	Qty. of compost produced per year Quantity of residual waste generated per year
(ii)	Bio-methanation	Qty. of biogas produced per year Quantity of residual waste generated per year
(iii)	Any other manner	
7.	Quantity of the Non-Biodegradable Waste collected per year	
8.	Name, address and phone number of the Person handling and	

	processing the Non-Biodegradable Waste	
9.	Manner/method/technology of handling and processing the Non-Biodegradable Waste (sale to Waste Traders/ Recycling/Co-Processing in cement plants/any other manner) including names, addresses and phone numbers of such processing destinations	
10.	Quantity of the Domestic Hazardous Waste (including Sanitary Waste) collected per year	
11.	Name, address and phone number of the Person handling and processing the Domestic Hazardous Waste (including Sanitary Waste)	
12.	Manner/method/technology of handling and processing Domestic Hazardous Waste (including Sanitary Waste) including names, addresses and phone numbers of such processing destinations	

SCHEDULE V

SWM USER FEES IN INDIAN RUPEES

PART A: SWM USER FEES FOR WASTE GENERATORS EXCEPT BULK WASTE GENERATORS

S.no	Type of Waste Generator except Bulk Waste Generator	User Fee per month (in INR) from each Waste Generator except Bulk Waste Generator to be not less than ¹ :		
		Population of the Gram Panchayat ≥ 50 and < 500	Population of the Gram Panchayat ≥ 500 and < 2000	Population of the Gram Panchayat > 2000
1.	Houses up to 200 sq.ft. built-up area	20	20	20
2.	Houses over 200 sq.ft. built-up area up to 500 sq.ft	30	30	30
3.	Houses with over 500 sq.ft built up area	40	50	60
4.	Small commercial establishments, shops and eating places (such as hotels, dhabas, messes, tiffin	60	75	90

¹ The SWM User Fees shall be reduced by 50% in the event the Waste Generator processes its entire Biodegradable Waste by itself and does not use the services of the Gram Panchayat.

	rooms, canteens and sweet shops) having an area less than 200 sqft and generating less than 50 kgs of Solid Waste per day			
5.	Large shops, commercial establishments and eating places (such as hotels, dhabas, messes, tiffin rooms, canteens and sweet shops) having an area more than 200 sqft and generating less than 50 kgs of Solid Waste per day	100	150	200
6.	Guesthouse, lodges, dharamshalas having an area less than 1000 sqft and generating less than 50 kgs of Solid Waste per day	150	200	250
7.	Hospitals, clinic, dispensary up to 20 beds)	110	130	150
8.	Hospitals, clinic, dispensary (more than 20 beds)	200	300	500
9.	Small and cottage industry units, factories and similar units (only non-hazardous)and generating less than 50 kgs of Solid Waste per day	200	250	300
10.	Vegetable and other markets generating less than 50 kgs of Solid Waste per day	150	200	250
11.	Institutions such as schools, colleges,	200	250	300

	places of worship tourist attractions etc. generating less than 50 kgs of Solid Waste per day.			
12.	Cleanliness Refundable Deposit for events and gatherings in public places (one time)	3000	4500	6000
13.	User Fee for collection, transport and processing of Solid Waste generated for events and gatherings in public places (one time)	2500	4000	5000
14.	Other places/activity not marked as above	As decided by Gram Panchayat by general or special order/notification.	As decided by the Gram Panchayat by general or special order/notification.	As decided by Gram Panchayat by general or special order/notification.

PART B: SWM USER FEES FOR BULK WASTE GENERATORS

S.no	Type of Bulk Waste Generator	User Fee per month (in INR) from each Bulk Waste Generator to be not less than ² :		
		Population of the Gram Panchayat ≥ 50 and < 500	Population of the Gram Panchayat ≥ 500 and < 2000	Population of the Gram Panchayat > 2000
1.	Vegetable and other markets	200	250	300
2.	Guesthouse, lodges and dharamshalas having an area more than 1,000 sqft	200	300	500
3.	Large shops and commercial establishments	300	500	700
4.	Institutions such as schools, colleges, places of worship tourist attractions etc.	300	500	700
5.	Halls for marriage and festivals with area over 1,000 sq.ft per event	1200	1500	2000
6.	Hospitals, clinic, dispensary (more than 20 beds)	300	500	700
7.	Cottage industry units, factories and similar units generating more than 50 kgs of Solid Waste per day.	300	500	700

²The SWM User Fees shall be reduced by 50% in the event the Bulk Waste Generator processes its entire Biodegradable Waste by itself and does not use the services of the gram panchayat. The SWM User Fees shall be reduced by 40% in the event the Bulk Waste Generator deposits segregated Solid Waste at the Bio-degradable Waste processing unit and the DWCCs by itself and does not use the transportation provided by the gram panchayat.

SCHEDULE VI
FINES AND PENALTIES

S.no	Non-compliance and type of Waste Generator	Fines (in INR) to be not less than:		
		Population of the Gram Panchayat ≥ 50 and < 500	Population of the Gram Panchayat ≥ 500 and < 2000	Population of the Gram Panchayat > 2000
1.	Littering, spitting, urinating in open areas	500	700	1,000
2.	Failure to segregate Solid Waste by the Bulk Waste Generators.	2000	3000	5000
3.	Failure to segregate and/or handover Solid Waste by Waste Generators who are not Bulk Waste Generators.	500	700	1000
4.	Disposal of Solid Waste by burning, dumping and/or unauthorised burial by a Bulk Waste Generator	2000	3000	5000
5.	Disposal of Solid Waste by burning, dumping and/or unauthorised burial by any Waste Generator who is not a Bulk Waste Generator	500	700	1000
6.	False declaration by the Bulk Waste Generator	2000	3000	5000
7.	Other places/activity not marked as above	As decided by Gram Panchayat by general or special order/notification.	As decided by the Gram Panchayat by general or special order/notification.	As decided by Gram Panchayat by general or special order/notification.

SCHEDULE VII

ACCIDENT REPORTING

S.no	Particulars	
1.	Date and time of accident	
2.	Sequence of events leading to accident	
3.	The waste involved in the accident	
4.	Assessment of the effects of the accidents on human health and the environment	
5.	Emergency measures taken	
6.	Steps taken to alleviate the effects of accidents	
7.	Steps taken to prevent the recurrence of such an accident	

Date:.....	Signature:.....
Place:.....	Designation:.....