

### Solid Waste Management Rules, 2016- Major changes and likely implications

Municipal Solid Waste (Management and Handling) rules, 2000	Solid Waste Management Rules, 2016	Reasons and likely implications
<b>Title</b>		
Municipal Solid Wastes (Management and Handling) rules, 2000	Solid Waste Management Rules, 2016	The jurisdiction of the rules have been extended beyond Municipal area hence the word 'Municipal' has been removed.
<b>Application</b>		
apply to every municipal authority.	The jurisdiction of the rules have been extended beyond Municipal area to cover, outgrowths in urban agglomerations, census towns, notified industrial townships, areas under the control of Indian Railways, airports, airbase, Port and harbour, defense establishments, special economic zones, State and Central government organizations, places of pilgrims, religious & historical importance .	To ensure effective implementation of the Rules and achieve objectives of the Swachh Bharat.
<b>Duties of Waste generator</b>		
..Nil...	Every waste generator shall segregate and store the waste generated by them in three separate streams namely bio-degradable, non-bio-degradable and domestic hazardous wastes in suitable bins and handover segregated wastes to authorized rag-pickers or waste collectors	The SWM rules, 2016 emphasises source segregation of waste, a basic need for channelizing the waste to wealth by recovery, reuse and recycle. In line

	<p>Event organizer of more than 100 persons shall intimate the local authority, at least three working days in advance. Such person or the organizer of such event shall ensure segregation of waste at source and handing over of segregated waste to waste collector or agency as specified by local authority.</p> <p>All Resident Welfare and Market Associations, Gated communities and institution with an area &gt;5,000 sq m and all hotels and restaurant shall, within one year from the date of notification of these rules and in partnership with the local authority by the generators as prescribed in these rules, ensure segregation of waste at source, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers. The bio-degradable waste shall be processed, treated and disposed of through composting or bio-methanation within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local authority.</p> <p>The developers of Special Economic Zone, Industrial Estate, Industrial park to earmark at least 5% of the total area of the plot or minimum 5 plots/ sheds for recovery and recycling facility.</p>	<p>with the above, the event organizers, Resident Welfare and Market Associations, Gated communities, institution and SEZ have been assigned responsibility.</p> <p>This will improve the waste segregation and utilization, less waste or only inert to landfill.</p>
<b>Collection and disposal of sanitary waste like diapers, sanitary pads and other disposal items</b>		
...NIL..	The manufacturers or Brand owners of sanitary napkins and diapers shall provide a pouch or wrapper for disposal of each napkin or diapers along with the packet of their sanitary products.	The issue of collection and disposal of sanitary waste like diapers, sanitary pads

	<p>All such manufacturers, brand owners or marketing companies shall educate the masses for wrapping and disposal of their products.</p> <p>All waste generators shall wrap securely the used sanitary waste like diapers, sanitary pads etc., in the pouches provided by the manufacturers or brand owners of these products or in a suitable wrapping material and shall place the same in the bin meant for dry waste / non- bio-degradable waste.</p> <p>The manufacturers or Brand owners of disposable products such as tin, glass, plastics packaging etc. or brand owners who introduce such products in the market and sale or market their products in such packaging material shall provide necessary financial assistance to local authorities for establishment of waste management system.</p>	<p>and other disposal items have been addressed.</p> <p>This will improve the other waste utilisation and management namely organic waste for composting, high calorific waste to energy recovery etc.</p>
<b>Duties of Ministry of Urban Development</b>		
...Nil....	<p>MoUD shall formulate National Policy and Strategy on Solid Waste Management including policy on Waste to Energy in consultation with stakeholders within 6 months from the date of notification of these Rules;</p> <p>review of the measures taken by the States and local bodies,</p> <p>undertake training and capacity building of local bodies and other stakeholders;</p>	<p>Being the nodal Ministry on the subject Solid Waste Management, more responsibilities have been assigned to MoUD.</p> <p>The national policy on SWM, will be guiding tool for the States/ local authorities in SWM.</p>

	providing technical guidelines and project finance to States, UTs and local bodies on solid waste management to facilitate meeting timelines and standards.	The technical and financial support will improve the SWM .
<b>Promotion of marketing and utilization of compost</b>		
..NIL..	<p>The Department of Fertilisers, Ministry of Chemicals and Fertilizers shall provide market development assistance on city compost and ensure promotion of co-marketing of compost with chemical fertilizers in the ratio of 3 to 4 bags: 6 to 7 bags by the fertilizer companies to the extent compost is made available for marketing to the companies.</p> <p>The Ministry of Agriculture shall provide flexibility in Fertiliser Control Order for manufacturing and sale of compost , propagate utilisation of compost on farm land set up laboratories to test quality of compost produced by local authorities or their authorized agencies and issue suitable guidelines for maintaining the quality of compost and ratio of use of compost visa-a-vis chemical fertilizers while applying compost to farmland.</p>	This will make the compost plants economically viable and improve the gainful utilization of waste.
<b>Promotion of waste to energy plant</b>		
....Nil..	Ministry of Power shall fix tariff or charges for the power generated from the Waste to Energy plants based on solid waste and ensure compulsory purchase of power generated from such Waste to Energy plants by DISCOMs .	This will make the waste to energy plants economically viable and improve the gainful utilization of waste.

	<p>The Ministry of New and Renewable Energy Sources shall facilitate infrastructure creation for Waste to Energy plants and provide appropriate subsidy or incentives for such Waste to Energy plants.</p> <p>All industrial units using fuel and located within 100 km from an solid waste based RDF plant shall make arrangements within six months from the date of notification of these rules to replace at least 5 % of their fuel requirement by RDF so produced.</p> <p>Non recyclable waste having calorific value of 1500 K/cal/kg or more shall not be disposed of on landfills and shall only be utilized for generating energy either or through refuse derived fuel or by giving away as feed stock for preparing refuse derived fuel.</p>	<p>The incentives and mandatory provision to utilize 5 % of RDF by the nearby industries will support the waste to energy plants, and reduce the consumption of fossil fuel.</p>
<p><b>Duties of Secretary, State Urban Development Department, the Commissioner Municipal Administration, Director of Local Bodies, local authorities and village Panchayats</b></p>		
<p>The Secretary-in-charge of the Department of Urban Development of the concerned State or the Union territory, as the case may be, shall have the overall responsibility for the enforcement of the provisions of these rules in</p>	<p>Detailed duties and responsibilities have been assigned to the Secretary, State Urban Development Department, the Commissioner Municipal Administration, Director of Local Bodies, local authorities and village Panchayats of census towns and urban agglomerations:</p> <p>They are responsible for preparation of state policy and solid waste management strategy in consultation with stakeholders including representative of waste pickers, self-help group and similar groups working in the field of waste management.</p>	<p>Integration of Waste pickers/ Shelf Help Groups in waste management will improve the collection, segregation and recovery of reusable etc.</p> <p>Imposition of user charge and fine will improve waste collection and management</p>

<p>the metropolitan cities.</p> <p>The District Magistrate or the Deputy Commissioner of the concerned district shall have the overall responsibility for the enforcement of the provisions of these rules within the territorial limits of their jurisdiction.</p>	<p>User fee for solid waste management, spot fine for littering / have been introduced which shall be as specified in the bye-laws of the local bodies.</p>	<p>and strengthen the financial position of local authority.</p>
<p><b>Criteria and standards for Waste treatment facility and pollution Control</b></p>		
	<p>The SWM Rules 2016 provide for detailed criteria for setting-up solid waste processing and treatment facility, solid waste management in hilly areas, for waste to energy process, for Sanitary Landfills,for site selection, development of facilities at the sanitary landfills, specifications for land filling operations and closure on completion of landfilling, pollution prevention, Closure and Rehabilitation of Old Dumps etc.</p> <p>Notify buffer zone for the solid waste processing and disposal facilities of more than 5 tons per day in consultation with the State Pollution Control Board and Buffer zone to be provided.</p>	<p>The criteria and buffer zone for waste treatment and landfill facility and stringent standards will facilitate smooth functioning of the facility without any pollution issues.</p>

	<p>The landfill site shall be 100 meter away from river, 200 meter from a pond, 500, 200 meter from Highways, Habitations, Public Parks and water supply wells and 20 km away from Airports or Airbase</p> <p>Emission Standards are completely amended and includes parameters for dioxins, furans, reduced limits for particulate matters FROM 150 TO 100 AND NOW 50 .</p> <p>Compost Standards have been amended to align with Fertiliser Control Order.</p>	
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