



ભાવનગર મહાનગરપાલિકા - ભાવનગર

સ્વચ્છ ભારત મિશન

જાહેર ખબર



ભાવનગર શહેરને ૫ સ્ટાર ગાર્બેજ ફ્રી સીટી જાહેર કરવા તથા વાંધા સુચનો મંગાવવા બાબત.

જાહેર જનતાને આથી સુચિત કરવામા આવે છે કેભારત સરકારશ્રીના સ્વચ્છ ભારત મિશન અંતર્ગત શહેરોને ગાર્બેજ ફ્રી સ્ટાર રેટીંગ આપવાનું નક્કી કરવામાં આવેલ છે. જે અન્વયે નિયત ગાઇડલાઇન અનુસાર ભાવનગર મહાનગરપાલિકાને ૫ સ્ટાર ગાર્બેજ ફ્રી સીટી જાહેર કરવામાં આવે છે.૫ સ્ટાર માટેના પરિમાણ વિશેની વિગતવાર જાણકારી / ગાર્બેજ ફ્રી સ્ટાર રેટીંગ માટેની ટૂલકીટ ભાવનગર મહાનગરપાલિકાની વેબ-સાઇટ www.bmcgujarat.com પર મૂકવામાં આવેલ છે.

આ બાબતે કોઇપણ નાગરિકોને વાંધા-સુચન હોય તો દિન-૦૮ માં ભાવનગર મહાનગરપાલિકાની કચેરીમાં લેખિતમાં રજૂઆત કરવા વિનંતી છે.

(સહિ : અવાચ્ય)

સ્થળ : ભાવનગર

કમિશ્નર

તારીખ : ૦૮/૦૧/૨૦૨૨

ભાવનગર મહાનગરપાલિકા

Swachh Bharat Mission-Urban



STARRATING *of* GARBAGE FREE CITIES 2022



Scoring Methodology – Principles and Features



- Defined applicable components for each Star Rating allows cities to focus on specific areas encouraging more cities to participate while maintaining the requirement of passing in each component with Level 1 to ensure stringency:
 - 1 and 3 Star: 16 components
 - 5 and 7 Star: 24 components
- Simplified calculation with minimum marks requirement for each Star Rating:
 - 1 Star: 2400 out of 5200 Marks
 - 3 Star: 3600 out of 5200 Marks
 - 5 Star: 6300 out of 7500 Marks
 - 7 Star: 7500 out of 7500 Marks
- Continued graded approach allowing cities the flexibility to score anywhere between Level 1 and Level 4 of each component
- In-built flexibility for cities to work on additional indicators and score more marks in Swachh Survekshan (example enclosed)
- Weightage of components aligned with SBM-2.0 objectives: higher weightage to segregation, processing, dumpsite remediation etc.

- Pre-qualifying conditions: ODF+ for 1 Star, ODF++ for 3 and 5 Star, Water+ for 7 Star

Scoring-StarRatingProtocolforGarbageFreeCities(Proposed)							
Component/Condition		Ward/CityLevel	Level1	Level2	Level3	Level4	
1	DoortoDoorCollection	Ward	150	200	250	300	1and3Star
2	SourceSegregation	Ward	350	450	575	700	
3	Sweeping +LitterBins+Secondary StorageBins	Ward	150	200	250	300	
4	C&DWaste-Collection	Ward	150	200	250	300	
5	WasteProcessing& Capacity-WetWaste	City	350	500	550	600	
6	WasteProcessing&Capacity-DryWaste	City	350	500	550	600	
7	DumpsiteRemediation	City	100	250	300	400	
8	PlasticBan	City	100	200	300	300	
9	GrievanceRedressal	City	50	150	175	200	
10	Usercharges	City	150	200	250	300	
11	ProcessingbyBulkWasteGenerators	Ward	50	100	150	200	
12	IECand CapacityBuilding	City	75	100	125	150	
13	ScientificLandfill	City	75	150	200	250	
14	Novisiblesolidwasteinwaterbodies+ScreeningofStormwaterdrains/Nallahs	City	100	150	200	200	
15	C&Dwaste-Storage&Segregation(non-bulkwastegenerators)	City	100	150	200	250	
16	Geo-mappingofwasteprocessingfacilities,C&D facilities, landfills,dumpsites,STPs/FSTPs	City	100	100	150	150	
						5200	
17	Geo-mappingofthewardsi.e.wardboundaries, drains, nallahs,waterbodies	Ward	100	150	200	200	5and7Star
18	CityBeautification	Ward	100	150	225	300	
19	On-sitewetwasteprocessing	City	100	150	225	300	
20	C&Dwaste-Processing&Recycling	City	100	150	200	250	
21	C&DWaste-Useofmaterials	City	100	150	200	250	
22	Sale ofwasteby-products	City	100	150	200	250	
23	ProcessingofSanitaryandDomesticHazardouswaste	City	150	200	250	300	
24	Digital MonitoringofSWMOperations(incl.City facilities)(Onlydigitalrecord tobeconsidered)	City	100	200	325	450	
						7500	

Scoringmatrix(Revised)



Matrix-Star Rating Protocol for Garbage Free Cities			
Star Rating	Maximum Score	Minimum Score	Corresponding SS2022 Score
1 Star	5,200	2,400	400
3 Star	5,200	3,600	600
5 Star	7,500	6,300	1,050
7 Star	7,500	7,500	1,250

- 6marks in Star Rating Protocol = 1 Mark in Swachh Survekshan:
 - 1 Star: 2400 Marks in Star Rating = 400 Marks in SS
 - 3 Star: 3600 Marks in Star Rating = 600 Marks in SS
 - 5 Star: 6300 Marks in Star Rating = 1050 Marks in SS
 - 7 Star: 7500 Marks in Star Rating = 1250 Marks in SS

Scoring-Example of City 'X'

Component/Condition		Ward/CityLevel	Level1	Level2	Level3	Level4
1	DoortoDoorCollection	Ward	150			
2	SourceSegregation	Ward	350			
3	Sweeping +LitterBins+Secondary StorageBins	Ward	150			
4	C&DWaste-Collection	Ward		200		
5	WasteProcessing& Capacity-WetWaste	City	350			
6	WasteProcessing&Capacity-DryWaste	City	350			
7	DumpsiteRemediation	City	100			
8	PlasticBan	City	100			
9	GrievanceRedressal	City				200
10	Usercharges	City		200		
11	ProcessingbyBulkWasteGenerators	Ward	50			
12	IECand CapacityBuilding	City	75			
13	ScientificLandfill	City	75			
14	Novisiblesolidwasteinwater bodies+ScreeningofStorm waterdrains/Nallahs	City	100			
15	C&Dwaste- Storage&Segregation(non-bulkwaste generators)	City	100			
16	Geo-mappingofwasteprocessingfacilities,C&Dfacilities, landfills,dumpsites,STPs/FSTPs	City	100			
						2650
17	Geo-mappingofthewardsi.e.wardboundaries,drains, nallahs,waterbodies	Ward	Fail/NotApplied			
18	CityBeautification	Ward	100			
19	On-sitewetwasteprocessing	City	Fail/NotApplied			
20	C&DWaste-Processing&Recycling	City	Fail/NotApplied			
21	C&DWaste-Useofmaterials	City	Fail/NotApplied			
22	Sale ofwasteby-products	City	100			
23	ProcessingofSanitaryandDomesticHazardouswaste	City	Fail/NotApplied			
24	ExtendedProducerResponsibility	City	Fail/NotApplied			
25	DigitalMonitoringofSWMOperations(incl.Cityfacilities) (Onlydigitalrecordtobeconsidered)	City	Fail/NotApplied			
						2850

City 'X' is passing in first 16 components applicable for 1 and 3 Star and failing/not applied in certain parameters of 5 & 7-Star. The city is scoring 2850 marks (total) in Star Rating, hence it will get 1-Star and 475 Marks in SS:

- 1 Star: 2400 Marks in Star Rating = 400 Marks in SS
- 450 (2850-2400) additional marks in Star Rating = 75 Marks in Swachh Survekshan
- Total marks in SS: 400 + 75 = 475 Marks

Component 1: Door to Door Collection



CONDITION

At least 'x' percent of households/ premises/gates in the ward are covered by door-to-door collection and transportation of solid waste (through ULB/ULB-authorized garbage collectors)

Note: Waste collector needs to inform each household/premise/gate to provide their waste

Level	Level 1	Level 2*	Level 3*	Level 4*
Condition	At least 50%	At least 75%	95%	100%
Marks	150	200	250	300

NOTE

- *In case of Level 2/Level 3/Level 4, real-time segregated collection details to be maintained by the ULB along with vehicle & vendor (if outsourced) details, need to be monitored on daily basis and data linked with the SBM Portal
- All waste should be collected in compartmentalized/separate vehicles with closed lids to prevent the foul odour, littering and unsightly conditions.

Component 2: Source Segregation at Ward Level



CONDITION

At least 'x' percent of households/premises/gates in the ward have segregation at source (wet, dry & sanitary/domestic hazardous) maintained till processing/disposal facilities.

Note: Waste collector must check that waste is segregated properly by waste generator before collection. Sanitary/Domestic hazardous waste to be disposed in a separate bag and placed in separate area of vehicle.

In case of collection of mixed waste from households/premises/gates, it should be kept separately and not mixed with segregated waste collected, till processing/disposal facilities. Mixed waste shall not be mixed with segregated waste at any point.

***"Domestic hazardous waste"** means discarded paint drums, pesticide cans, CFL bulbs, tube lights, expired medicines, broken mercury thermometers, used batteries, used needles and syringes and contaminated gauge, etc., generated at the household level*

Component 2: Source Segregation at Ward Level



CONDITION (Contd.)

Level	Level1	Level2	Level3	Level4
Condition	At least 40% (Excluding Sanitary Waste/Domestic Hazardous Waste)	At least 60% (Sanitary Waste i.e. diapers, sanitary pads, masks and gloves to be segregated, wrapped securely in the pouches provided by the manufacturer or brand owners of these products or in a suitable wrapping material as instructed by the local authorities and collected separately)	At least 80% (All kinds of sanitary and domestic hazardous waste to be segregated, wrapped securely in the pouches provided by the manufacturer or brand owners of these products or in a suitable wrapping material as instructed by the local authorities and collected separately)	At least 95% (All kinds of sanitary and domestic hazardous waste to be segregated, wrapped securely in the pouches provided by the manufacturers or brand owners of these products or in a suitable wrapping material as instructed by the local authorities and collected separately)
Marks	350	450	575	700

NOTE

- Wet, Dry and Sanitary Waste collection to be done on daily basis, domestic hazardous waste may be collected on weekly basis.
- Segregated waste should be collected in compartmentalized/separate vehicles with closed lids to prevent foul odour, littering and unsightly conditions.
- All kinds of sanitary waste should be wrapped in pouches provided by the manufacturer or brand owners of these products or in a suitable wrapping material as instructed by the local authorities. Domestic hazardous waste need not to be wrapped.
- ULB's Bye Law to be framed to incorporate criteria for levying of spot fines/penalties for littering, non-segregation and unsecure wrapping/handling of sanitary/domestic hazardous waste.

Component 3: Sweeping of Residential, Public & Commercial Areas + Litters Bins + Secondary Storage Bins



CONDITION

3.1. At least 'x' percent of commercial, public, residential areas, have Sweeping (one time or twice, including night sweeping)

Note: Mechanised Sweeping to be encouraged especially in cities with population above 10 lakh

3.2. 'x' percent of fixed Twin-bin/segregated litter bins are available in commercial and public areas at every 50-100 meters, as per CPHEEO norms

Note: Waste should only be deposited in such bins - no littering or spillover of waste

3.3. Waste storage bins are placed in strategic locations across the city, as per the requirement

Note: Waste should directly be transferred from generators' premises to transportation vehicle to processing center (verification will be done)

Component 3: Sweeping of Residential, Public & Commercial Areas + Litters Bins + Secondary Storage Bins



CONDITION (Contd.)

Level		Level1	Level2	Level3	Level4
Condition	3.1	100% public and commercial areas have daily sweeping	100% Public, commercial, and residential areas have daily sweeping	100% Public and commercial areas have twice daily sweeping, including night sweeping and residential areas have daily sweeping NCAP Cities shall have mechanized sweeping for 4-lane roads having median.	100% Public and commercial areas have twice daily sweeping, including night sweeping and residential areas have daily sweeping NCAP Cities shall have mechanized sweeping for 4-lane roads having median.

Component 3: Sweeping of Residential, Public & Commercial Areas + Litters Bins + Secondary Storage Bins

					All backlanes* of Commercial/Residential areas are clean – no water logging, drainage system not choked, no solid waste floating and walls properly maintained
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Component 3: Sweeping of Residential, Public & Commercial Areas + Litters Bins + Secondary Storage Bins



CONDITION (Contd.)

Level		Level1	Level2	Level3	Level4
Condition	3.2	Atleast40%	Atleast60%	Atleast80% and all available Litter Bins should be covered (with a lid or mechanism to restrict access by animals)*	Atleast90% and all available Litter Bins should be covered (with a lid or mechanism to restrict access by animals)*
	3.3	Atleast80%	100%	No Storage Bins (Binless)	No Storage Bins (Binless)
Marks		150	200	250	300

Component 3: Sweeping of Residential, Public & Commercial Areas + Litters Bins + Secondary Storage Bins



3.1 :Sweeping

- ❖ **Backlanes suggest the backside of commercial buildings/office complexes, backside of houses, religious places or any building in the city.**

3.2 :Litter Bins

- ❖ **In case the already existing bins are NOT covered with lids, ULB to ensure:**
 - there should not be spill over, or it would be considered as Garbage Vulnerable Point
 - there should be a mechanism in place to restrict access of litter bins by animals
 - the bins required to be placed in future should be covered (with a lid or mechanism to restrict access by animals)
- ❖ **If 100% dust bins are distributed/available to the shops in commercial/public areas, ULB to ensure:**
 - the bin should be visible and accessible by citizens to avoid roadside littering
 - the bin should have the ULB logo (in a standard format)
 - the emptying/collection schedule of litter bins should be developed and monitored to ensure no spillage/littering around bins
- ❖ **The concept of 'Bin-less' city is relevant for secondary storage bins and not litter-bins. The public areas shall mandatorily have installed and fixed litter bins. No temporary bins will be considered.**
- ❖ **In Industrial areas, the ULB may decide the requirement of number of litter bins while ensuring that the Industrial Areas are kept clean and there is no littering**
- ❖ **Litter bins ranging in capacity 60-100 litre twin bins placed along roadside to cater to the needs of the public for throwing garbage along roadside including commercial and public areas. Bins with capacity more than 100 litres shall be considered as storage bins.**

3.3 :Secondary Waste Storage Bins

- ❖ **In case of 'Underground Bins', ULB needs to ensure that a monitoring mechanism is in place to check if the bins are frequently cleaned/emptied and only segregated waste is transferred in the vehicles.**

Component 4: C&D Waste-Collection Facilities



CONDITION

Facilitation of collection of C&D waste from premises of non-bulk generator through:

- **Mobile collection unit (on call basis facility and weekly schedule); and/or**
- **Designated* collection points within reasonable distance for generator to bring and deposit**

Note:

- **ULB to ensure suitable vehicles of different capacities (such as Rickshaws at ward level, Tempo at Zonal Level and Tractors/ Trucks at ULB Level) are made available at fixed rate, and staff is assigned at each level to ensure C&D waste collection is completed within the SLA period for Debris Removal/Construction Material as defined in Swachhata App i.e. 12 hours.**
- **For C&D Waste, Bulk Generators are that generate ≥ 20 Tonnes/day or 300 tonnes/month per project, other generators are considered non-bulk generators**

NOTE

- **Designated Collection points within reasonable distance for C&D waste generator to bring and deposit the waste**
- **For all Levels, Notification and enforcement of charges for C&T, P&D of C&D Waste is mandatory**

Component4:C&DWaste-CollectionFacilities



CONDITION(Contd.)

Level	Level1	Level2	Level3	Level4
Condition	Facility ofcollectionof C&D waste frompremises ofNon-bulkgeneratorstobeavailable in 30% ofwards.	Facility ofcollectionof C&D waste frompremises ofNon-bulkgeneratorstobeavailable in 75% oftotal number ofwards	Facility ofcollectionof C&D waste frompremises ofNon-bulkgeneratorstobeavailable in 90% oftotal number ofwards	Facility ofcollectionof C&D waste frompremises ofNon-bulkgeneratorstobeavailablein 100%oftotal numberofwards
Marks	150	200	250	300

Component 5: Wet Waste-Processing & Capacity



At least 'x' percent of Wet waste being processed (out of total wet waste generated) and At least 'y' percent of Wet waste processing capacity of functional plants (out of the total wet waste generated)

CONDITION

Level		Level 1	Level 2	Level 3*	Level 4*
Condition	x	At least 60%	At least 80%	At least 95%	100%
	y	At least 70%	At least 90%	100%	100%
Marks		350	500	550	600

Component 5: Wet Waste-Processing & Capacity



NOTE

- ❖ Daily Processing Log-Book, Sale Register, vendor details (if outsourced) & electricity bills to be maintained by ULB
- ❖ For Pit composting facilities:
 - The processing capacity shall be 15-20 times the daily wet waste input of the processing facility. For example, for a 1 TPD pit composting facility, the facility shall have pits (2 or more) equivalent to accommodate 15-20 tons of wet waste.
 - Effort shall be made to not have hazardous pits considering the following guidelines:
 - The bottom of pits shall be cemented or on a suitable waterproof barrier to prevent infiltration of leachate. The bottom of compost bed shall be at least 2 meters above the highest yearly groundwater table (GWT) depth. Leachate shall be properly collected, treated and re-circulated.
 - The lowest ground level in the pits shall be above ground and at least 1 meter above HFL (highest flood level) recorded

Component 6: Dry Waste-Processing & Capacity



CONDITION

At least 'x' percent of Dry waste being processed (out of total dry waste generated) through MRFs manufacturers and/or NHAI (other road construction organizations).

Additionally, with further linkages/tie-

up to authorized recyclers or recycling or RDF or Waste to Energy plants or cement cities shall segregate and sell/use recyclables (with record tracking from receiving to final use/sale):

- For cities with more than 10 lakh population, 'x' percent of Total waste collected
- For cities with less than 10 lakh population, 'x' percent of only Dry waste collected AND

At least 'y' percent of Dry waste processing capacity (out of total dry waste generated) of functional MRFs with the linkages/tie-

up to authorized recyclers or recycling or RDF or Waste to Energy plants or cement manufacturers and/or NHAI (other road construction organizations).

Please ensure that there is no double counting of capacities, and in case of shared facility being used by the cities, the capacities are divided.

Component 6: Waste Processing-Dry Waste(2/2)



CONDITION(Contd.)

Level		Level1	Level2	Level3*	Level4*
Condition	x	Dry waste processing: At least 60%	Dry waste processing: At least 80% Recyclables: More than 10 lakh Population: 20% of Total waste generated; Less than or equal to 10 lakh Population: 40% of Dry Waste generated	Dry waste processing: At least 95% Recyclables: More than 10 lakh Population: 25% of Total waste generated; Less than or equal to 10 lakh Population: 50% of Dry Waste generated	Dry waste processing: 100% Recyclables: More than 10 lakh Population: 30% of Total waste generated; Less than or equal to 10 lakh Population: 60% of Dry Waste generated
	y	At least 70%	At least 90%	100%	100%
Marks		350	500	550	600

NOTE

- ❖ Daily Processing Log-Book, Sale Register, vendor details (if outsourced) & electricity bills to be maintained by ULB
- ❖ For ULBs with population more than 1 lakh, there should be at least 1 MRF with mechanized processing/

Component 7: Dumpsite Remediation (1/2)



CONDITION

Remediation of all identified dumpsites.

NOTE

- **ULB to identify legacy dumpsite within its jurisdiction through survey conducted in last 12 months from the date of application**
- **In case of no existing/old dumpsites (within the city limits) and not dumping waste in shared dumpsites/dumpsites outside city limits, this criteria will not be applicable and considered as 100% work has been completed.**
- **However, if old dumpsite is outside city limits, then the city that contributed majority of waste in the dumpsites shall be responsible for its remediation.**
- **If ULBs are using a shared landfill and the remediation of shared landfill is not viable, for a ULB to pass this component, following conditions shall be met:**
 - **not more than 10% should be going to landfill;**
 - **no waste should be going to non-landfill (i.e. dumpsites)**

Component 7: Dumpsite Remediation (2/2)



CONDITION(Contd.)

Level	Level1	Level2	Level3*	Level4*
Condition	CSWAPAActionPlan submitted	50% work as perremediationprojectplan has beencompleted	75% work as perremediationprojectplanhasbeencompleted	100% work as perremediationprojectplanhasbeencompleted
Marks	100	250	300	400

Component 8: Plastic Ban



Ban on the use, sale and storage of non-biodegradable plastic bags/single-use plastic products/Styrofoam/Thermocol.

CONDITION

Level	Level 1	Level 2	Level 3	Level 4
Condition	Public Notification and enforcement of ban on non-biodegradable plastic bags/ plastic products less than 75 microns	Public Notification and enforcement of ban on non-biodegradable plastic bags/ plastic products less than 75 microns and user fee on use, sale and storage of plastic bags more than 75 microns	Public notification and complete ban on storage, supply, transport, sale or distribution of single use plastic including polystyrene and expanded polystyrene, non-woven plastic carry bags (shall not be less than 60 Gram Per Square Meter (GSM)), and thermocol Note: 'Single use Plastic' may be defined by States respectively as per the PWM Rules 2021*	Public notification and complete ban on storage, supply, transport, sale or distribution of single use plastic including polystyrene and expanded polystyrene, non-woven plastic carry bags (shall not be less than 60 Gram Per Square Meter (GSM)), and thermocol Note: 'Single use Plastic' may be defined by States respectively as per the PWM Rules 2021*
Marks	100	200	300	300

Component 8: Plastic Ban



NOTE

*** As per Plastic Waste Management (Amendment) Rules, 2021, 'single use plastic commodity' means a plastic item intended to be used once for the same purpose before being disposed of or recycled; including:**

- (a) ear buds with plastic sticks, plastic sticks for balloons, plastic flags, candy sticks, ice-cream sticks, polystyrene [Thermocol] for decoration;**
- (b) plates, cups, glasses, cutlery such as forks, spoons, knives, straw, trays, wrapping or packing films around sweet boxes, invitation cards, and cigarette packets, plastic or PVC banners less than 100 micron, stirrers (excluding commodities made of compostable plastic)**

Component 9: Grievance Redressal



CONDITION

'x' percent of total Swachhata App/Local App complaints that cover issues related to solid waste management (Burning Of Garbage In Open Space, Debris Removal/Construction Material, Dustbins not cleaned, Garbage dump, Garbage vehicle not arrived, Sweeping not done etc.) are resolved within SLA

Level	Level1	Level2	Level3	Level4
%age SWM complaints resolved within SLA*	At least 40%	At least 75%	At least 90%	At least 95%
Marks	50	150	175	200

*SLA is the existing SLA in Swachhata App

NOTE

❖ Level-1 shall be given to ULBs with zero complaints in the last three months on Swachhata App/Local App

Component 10: User Charges



User charges# for solid waste management being collected

CONDITION

Level	Level 1	Level 2	Level 3	Level 4
Condition	Byelawsnotifiedand enforced	Affordable&Differential User charges collected to recover at least 25% of cost to be recovered from at least 50% of commercial, institutional and industrial establishments and at least 25% of households	Affordable&Differential User charges collected (at least 50% of cost to be recovered) from at least 70% of commercial, institutional and industrial establishments and at least 50% of households	Viable & Sustainable User charges collected from at least 90% of commercial, institutional & industrial establishments, and at least 75% of households.
Marks	150	200	250	300

#

- User charges collected along with the cumulative operational cost incurred till the date of application to be considered.
- In areas where user charges are being collected by the informal waste collector and not ULB, cost of waste collection & transportation services that are not covered by the informal waste collectors may be considered. In such cases, ULB needs to ensure that informal waste collectors are identified, formalized and record of user charges collection is maintained as per the charges notified in ULB bye-laws.
- For all Levels, bylaws notification and enforcement of user charges collection is mandatory.

User Charges-Definitions



- **Affordable:** Based on the income level of the citizen of the ULB
- **Differential:** Different user charges for separate citizen categories of waste generators (commercial/non-commercial) for example: slums, single floor houses as per surface area, multi-storey houses/ apartments, houses disposing waste in a segregated manner, street vendors, schools/ colleges, restaurant/ hotels, etc. based on the waste generation, discount for on-site waste processing etc.
- **Viable & Sustainable:** User charges are sufficient to cover SWM operational costs (collection, transportation, salary expenses of daily wagers, contractual, or outsourced staff through service providers). Capital costs, land costs, public sweeping costs and waste processing & disposal costs shall be excluded from operational cost calculations.
- If ULB is collecting charges through property tax/any other tax/cess, then those should be specified and shall be used only for SWM operation to be considered as user charges. These charges and corresponding expenditures shall be maintained under separate accounting heads.

Component 1: Bulk Waste Generators (1/2)



CONDITION

Bulk Waste Generators (i) doing onsite processing of wet waste generated, including kitchen and garden waste or organic waste or getting wet waste collected and processed by private parties authorized by ULB. (ii) Handing over segregated dry waste to authorized waste pickers or waste collectors.

Note:

- **For cities with more than 1 lakh population, BWG shall do onsite processing of wet waste on their own through private parties authorized by ULB. No BWG shall give their waste to ULB.**
- **For cities with less than 1 lakh population, BWG may process their wet waste on their own or hand over the waste to either ULB or any private agency against appropriate user charges.**
- **A BWG will be considered as one that generates more than 100 kg of total waste per day (or as defined by ULB/state) for more than 15 days a month**
- **Community Hall/Function Hall/Marriage Hall/Public gathering waste generators shall be considered as BWG if the holding capacity is more than 200 pax**

In case no BWG, score for E1:

The lowest mark of the level nearest to the average marks in all the essential components \times Weightage of E1

Component 1: Bulk Waste Generators (1/2)



CONDITION (Contd.)

Level	Level 1	Level 2	Level 3*	Level 4*
Condition	All BWGs as defined by SWM Rules 2016, including RWAs identified and issued official notice for compliance	Compliance by all commercial BWGs as defined by SWM Rules 2016	Compliance by all BWGs as defined by SWM Rules 2016, including RWAs	Compliance by all BWGs as defined by SWM Rules 2016, including RWAs generating more than 50 kg of waste per day Separate Guidelines to ensure reduction of waste by BWGs such as at community hall/function hall/marriage hall/public gathering etc.
Marks	50	100	150	200

NOTE

- For BWGs processing waste off-site, details to be updated in the MIS

Component 12: IEC & Capacity Building



- i. 3R Initiatives (Innovative community waste reduction measures such as Bartan Bank, Food Bank, Cloth bank, Exchange shops, Upcycling) are in place
- ii. E-Learning for Capacity building of all officials
- iii. Waste based artefacts/park to create awareness about waste management for stakeholders/citizens
- iv. Development and enforcement of SOPs for Zero Waste Events
- v. Development of waste management strategy during pandemic, epidemic, natural disasters

CONDITION

Level	Level 1	Level 2	Level 3	Level 4
Condition	At least - parameter (i) - either of parameter (ii) or (iii)	At least - parameter (i) - parameter (ii) - Either of parameter (iii), (iv), (v)	At least - 2 initiatives in parameter (i) - Parameter (ii) - Parameter (iii) - either of parameter (iv) or (v) met	All parameters (including 2 initiatives in parameter (i))
Marks	75	100	125	150

Component 13: Scientific Landfill



13.1: Availability and use of Scientific Landfill

13.2: 'x' percent of waste collected is sent to landfill

CONDITION

Level		Level 1	Level 2	Level 3	Level 4
Condition	13.1	Land identified & acquired either in own city or in another city	Remaining unprocessed waste/ Process Rejects are sent to Scientific Landfill either within the city or to another city.	Only Process rejects are transported to Scientific Landfill either within the city or to another city	Only Process rejects are transported to Scientific Landfill either within the city or to another city
	13.2	Not more than 45% including process rejects, if any	Not more than 25% including process rejects, if any	Not more than 15% (Process rejects only, non-processed waste is sent to scientific landfill)	Not more than 10% (Process rejects only, non-processed waste is sent to scientific landfill)
Marks		75	150	200	250

NOTE

Component 13: Scientific Landfill

- The landfill may not necessarily be scientific landfill for Level 1 only for cities with population < 1,00,000. For Level 2, 3 and 4, only scientific landfill to be considered.

Component 13: Scientific Landfill



NOTE

- In case city is **zero landfill**: Evidence showcasing 100% processing of all municipal solid waste to be provided
- **The concept of Simple Landfill has been removed*** from both Swachh Survekshan and Star Rating Protocol. Cities/States are encouraged to set-up scientific landfills on cluster basis.

Component 14: No visible solid waste in water bodies + Screening of Stormwater drains/Nallahs



14.1 : No visible solid waste in water bodies (not limited to ponds, lakes, tanks, rivers etc.)

14.2 : At least 'x' percent of Storm Water Drains and/or Nallahs should have screens to avoid waste getting discharged directly into lakes/rivers/water bodies

CONDITION

Level		Level 1	Level 2	Level 3	Level 4
Condition	14.1	<ul style="list-style-type: none"> No visible solid waste in water bodies (not limited to ponds, lakes, tanks, rivers etc.) in 100 percent of area under ULB jurisdiction, and Anti-Littering & Cleanliness message along the water bodies through signage/painting/displays/hoarding (no plastic usage). 	<ul style="list-style-type: none"> No visible solid waste in water bodies (not limited to ponds, lakes, tanks, rivers etc.) in 100 percent of area under ULB jurisdiction, and Anti-Littering & Cleanliness messages along the water bodies through signage/painting/displays/hoarding (no plastic usage). No open dumping of waste present within the radius of 1 km from edge of the water body 	<ul style="list-style-type: none"> No visible solid waste in water bodies (not limited to ponds, lakes, tanks, rivers etc.) in 100 percent of area under ULB jurisdiction, and Anti-Littering & Cleanliness messages along the water bodies through signage/painting/displays/hoarding (no plastic usage). No open dumping of waste present within the radius of 1 km from edge of the water body Sweeping & Cleaning arrangements are in place and No Garbage Vulnerable Points (GVPs) present within the radius of 1 km from edge of the water body Trash Cleaners*/suitable methods are available to trap the solid waste floating on the river surface No sewage/septic tank effluent discharged in the water bodies 	<ul style="list-style-type: none"> No visible solid waste in water bodies (not limited to ponds, lakes, tanks, rivers etc.) in 100 percent of area under ULB jurisdiction, and Anti-Littering & Cleanliness messages along the water bodies through signage/painting/displays/hoarding (no plastic usage). No open dumping of waste present within the radius of 1 km from edge of the water body Sweeping & Cleaning arrangements are in place and No Garbage Vulnerable Points (GVPs) present within the radius of 1 km from edge of the water body Trash Cleaners*/suitable methods are available to trap the solid waste floating on the river surface No sewage/septic tank effluent discharged in the water bodies

Component 14: Non-visible solid waste in water bodies + Screening of Stormwater drains/Nallahs



CONDITION

Level		Level1	Level2	Level3	Level4
Condition	14.2	At least 50% SWD/ Nallahs should have screens/filters at points of discharge into other nallahs/water-bodies	At least 90% SWD/ Nallahs should have screens/filters at points of discharge into other nallahs/water-bodies	<p>100% SWD/Nallahs should have screens/filters:</p> <ul style="list-style-type: none"> At points of discharge into other nallahs/water-bodies Additionally, At a distance of every 1 km in case of 'Secondary Nallahs' For cities with more than 10 Lakh population: Automated/Mechanical screens on Secondary Nallahs for collection and cleaning of waste <p>Also, no sewage/septic tank effluent discharged into the water bodies</p>	<p>100% SWD/Nallahs should have screens/filters:</p> <ul style="list-style-type: none"> At points of discharge into other nallahs/water-bodies Additionally, At a distance of every 1 km in case of 'Secondary Nallahs' For cities with more than 10 Lakh population: Automated/Mechanical screens on Secondary Nallahs for collection and cleaning of waste <p>Also, no sewage/septic tank effluent discharged into the water bodies</p>
Marks		100	150	200	200

Component 14: Non-visible solid waste in water bodies + Screening of stormwater drains/Nallahs

NOTE

- Non-visible waste on the Nallah/Drain having filters/screens

Component 14: Non-visible solid waste in water bodies + Screening of Stormwater drains/Nallahs



14.1 : Non-visible solid waste in water bodies

❖ Trash Cleaners* to be available in Cities having Water Bodies exceeding certain sizes such as:

1. Greater than 1 Acre area; and/or
2. Greater than 30m width

14.2 : Screening of Stormwater drains/Nallahs

❖ Definition of Nallahs/Drains based on their width:

- **Primary Nallahs/Drains:** More than 5m width
- **Secondary Nallahs/Drains:** Between 1m to 5m width
- **Tertiary Nallahs/Drains:** Less than 1m width

❖ Any stormwater drain which carries wastewater/sewerage, or is mixed with wastewater/sewerage, it will be considered as a 'Nallah', and NOT stormwater drain

❖ All 'tertiary nallahs/drains' (irrespective of the width) and 'secondary nallahs/drains' having width between 1 meter to 5 meter, are to be considered for screening

- Screens/Filters shall be regularly monitored to keep the screens/filters clean
- Minimum cleaning schedule of screens/filters:
 - Quarterly for 'Primary Nallahs/Drains'
 - Monthly for 'Secondary & Tertiary Nallahs/Drains'

Component 15: C&D Waste-Storage & Segregation (1/2)



CONDITION

Facilitation of storage, segregation of C&D waste - 'X' percent of C&D waste collected from non-bulk waste generators is stored and segregated within municipal limits in a designated area or space allotted by authorities

Segregations should be in the following five categories:
Concrete, soil, steel, wood & plastics, bricks & mortar

NOTE

- Designated facility to have a civil structure in place with separate areas for segregated storage of the five categories of C&D waste.
- For all Levels, Notification and enforcement of charges for C&T, P&D of C&D Waste is mandatory

Component 15: C&D Waste-Storage & Segregation



CONDITION (Contd.)

Level	Level 1	Level 2	Level 3	Level 4
Condition	- Storage and segregation of 20% of C&D waste from non-bulk generators in a designated facility with a civil structure in place	- Storage and segregation of 40% of C&D waste from non-bulk generators in a designated facility with a civil structure in place - Segregation machineries/plants for cities to be in place	- Storage and segregation of 60% of C&D waste from non-bulk generators in a designated facility with a civil structure in place - Segregation machineries/plants for cities to be in place	- Storage and segregation of 95% of C&D waste from non-bulk generators in a designated facility with a civil structure in place - Segregation machineries/plants for cities to be in place
Marks	100	150	200	250

Component 16: Geo-mapping of waste processing facilities, landfills, dumpsites, STP/FSTPs



All waste processing facilities, landfills, dumpsites, STP/FSTPs to be geo-mapped

CONDITION

Level	Level1	Level2	Level3	Level4
Condition	Geo-mapping of: <ul style="list-style-type: none"> - MRFs - Wet waste processing facilities - Dumpsites - Scientific Landfills - Waste to Energy facilities 	Geo-mapping of: <ul style="list-style-type: none"> - MRFs - Wet waste processing facilities - Dumpsites - Scientific Landfills - Waste to Energy facilities 	Geo-mapping of: <ul style="list-style-type: none"> - MRFs - Dumpsites - Scientific Landfills - Wet waste processing facilities - Waste to Energy - C&D waste processing facilities - STPs/FSTPs 	Geo-mapping of: <ul style="list-style-type: none"> - MRFs - Dumpsites - Scientific Landfills - Wet waste processing facilities - Waste to Energy - C&D waste processing facilities - STPs/FSTPs

Marks	100	100	150	150
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Component 17: Geo-mapping of the wards i.e. ward boundaries, drains, nallahs, water bodies



All ward boundaries, drains, nallahs, water bodies to be geo-mapped

CONDITION

Level	Level 1	Level 2	Level 3	Level 4
Condition	Geo-mapping of: - 100% of total wards	Geo-mapping of: - 100% of total wards - Water bodies (not limited to ponds, lakes, tanks, rivers etc.)	Geo-mapping of: - 100% of total wards - Water bodies (not limited to ponds, lakes, tanks, rivers etc.) - Storm Water Drains - Nallahs	Geo-mapping of: - 100% of total wards - Water bodies (not limited to ponds, lakes, tanks, rivers etc.) - Storm Water Drains - Nallahs
Marks	100	150	200	200

Component 18: City Beautification (1/2)



Visible beautification of city with focus on sustainability, including repairs and maintenance of public places under ULB jurisdiction to achieve a clean and aesthetically pleasing city. Every ward shall have:

- i. Well-lit public places
- ii. Footpaths/Side-road/Medians/Crossing/Circle well-maintained
- iii. Roads and pavements free from pot-holes with proper signage and no debris
- iv. Maintenance of green belts of roads and public places in the ward with Tree Plantation and proper landscaping for mitigation of air pollution based on location of pollution sources
- v. Incorporation of local art, culture and heritage elements
- vi. Introduce water fountains at traffic intersection, wherever feasible, to reduce air pollution or installation of wire mesh on bridges over water-bodies to reduce littering in the water-bodies
- vii. All tourist/iconic places to be well-lit, must have no GVP, segregated litter bins (wet and dry) twice a day, daily sweeping, no hanging banners with public walls free from posters/bills
- viii. Pedestrianisation of high footfall commercial places and other public places
- ix. No hanging banners and Public walls are free from posters/bills (except government notices)
- x. All construction/maintenance work in public roads/areas are demarcated and covered to avoid dispersion of particulate matter

Component18:CityBeautification(2/2)



CONDITION (Contd.)	Level	Level1	Level2	Level3	Level4
	Condition	At least 3parametersmet	At least 5parametersmet	Atleast8 parametersmet	At least 10parametersmet
	Marks	100	150	225	300

Component 19: On-site wet waste processing by non-bulk waste generator



CONDITION

At least 'x' percent of waste generators (excluding BWGs, RWAs) shall have on-site wet waste processing facility (composting/biomethanation). This may include individual homes (not part of RWAs), commercial and other non-bulk waste generators.

Note: ULB to provide ecosystem/mechanism to support citizens with home or community composting/biomethanation needs, to help reduce waste.

Level	Level 1	Level 2	Level 3*	Level 4*
Condition	5%	7%	10%	15% + At least 1 ward with 100% on-site wet waste processing (within the ward)
Marks	100	150	225	300

Component 20: C&D Waste-Processing & Recycling (1/2)



Facilitation of processing & recycling of C&D waste - 'X' percent of C&D waste collected is processed and recycled within municipal limits in a designated facility or allotted space.

CONDITION

Level	Level 1	Level 2	Level 3	Level 4
Condition	<p>Bulk Generators: 100%</p> <p>- Processing & Recycling of 25% of C&D waste from non-bulk generators in a designated facility with a civil structure in place</p>	<p>Bulk Generators: 100%</p> <p>- Processing & Recycling of 50% of C&D waste from non-bulk generators in a designated facility with a civil structure in place</p> <p>- Processing & Recycling machineries/plants for cities to be in place</p>	<p>Bulk Generators: 100%</p> <p>- Processing & Recycling of 75% of C&D waste from non-bulk generators in a designated facility with a civil structure in place</p> <p>- Processing & Recycling machineries/plants for cities to be in place</p>	<p>Bulk Generators: 100%</p> <p>- Processing & Recycling of 100% of C&D waste from non-bulk generators in a designated facility with a civil structure in place</p> <p>- Processing & Recycling machineries/plants for cities to be in place</p> <p>For cities with more than 5 Lakh population, ULB to ensure C&D waste processing plants with provision of Segregation/Recycling center with machinery such as separators for segregation, hammer for crushing, conveyor belts for movement of materials, etc.</p>
Marks	100	150	200	250

NOTE

- Cities with population less than 50,000 may tie-up with other ULB(s) to process C&D waste up (Agreement copy to be submitted with details of parent ULB processing C&D Waste)

Component 21: C&D Waste-Use of Materials



CONDITION

Provisions made for use of 'X' percent of raw C&D waste in municipal/government/municipality approved construction activities in non structural applications: lower layers of road pavements, inner colony roads, filling of plinth and basement etc.

'AND/OR'

Provisions made for use of 'X' percent of material made out of C&D Waste in municipal and/or government construction activity (if available) in kerb stones, structural concrete as manufacturing aggregate, paving blocks, brick etc.

Level	Level1*	Level2*	Level3*#	Level4*#
Condition	At least 5%	At least 10%	At least 20%	At least 30%
Marks	100	150	200	250

NOTE

*For all Levels, Notification and enforcement of charges for C&T, P&D of C&D Waste is mandatory
 #In case of **Level 3/Level 4**, Daily/Weekly Processing Log-Book, Sale Register & Vendor details (if outsourced) digitally maintained by ULB are linked with SBM portal

Component 2: Sale of waste by-products



Sale of 'x' percent of waste by-products from Wet/Dry/C&D waste

Level		Level 1	Level 2	Level 3	Level 4
Condition	Wet waste	At least 20%	At least 30%	At least 50%	At least 75%
	Dry waste	At least 30%	At least 40%	At least 60%	At least 85%
	C&D waste	At least 2%	At least 5%	At least 7%	At least 10%
Marks		100	150	200	250

CONDITION

NOTE

Finished products consumed/absorbed by the ULB will be considered as revenue generated besides actual sale of the finished products. The sale value (self-consumption) will be calculated on the basis of commercial rate that ULB charges for supplying/selling compost/methane.

Component 23: Processing of Sanitary and Domestic Hazardous Waste



CONDITION

Percentage of total sanitary and domestic hazardous waste* (menstrual waste and baby/ad diapers and others) collected (either collected separately at source or received from MRF Centre) is treated, either by ULB or through third party. Bio-medical waste from Hospitals, Nursing homes/clinics/Lab etc. not considered.

**Discarded paint drums, pesticide cans, CFL bulbs, tube lights, expired medicines, broken mercury thermometers, used batteries, used needles and syringes and contaminated gauge, etc., generated at the household level – to be given to authorized recyclers*

Level	Level 1	Level 2	Level 3	Level 4
Condition	At least 30%	At least 50%	At least 75%	100%
Marks	150	200	250	300

Component 24: Digital Monitoring of SWM Operations (incl. City facilities) (Only digital record to be considered)



Digital recording & monitoring of SWM value chain components

CONDITION

Level	Level1	Level2	Level3	Level4
Condition	<ul style="list-style-type: none"> - Planning for ICT based monitoring of SWM components - Digital recording & monitoring of door-to-door collection and segregation in at least 2 wards 	<ul style="list-style-type: none"> - Door to Door Collection - Source Segregation - Waste processing facilities (waste processed and sale register & vendor details) 	<ul style="list-style-type: none"> - Door to Door Collection - Source Segregation - Waste processing facilities (waste processed and sale register & vendor details) - Waste disposal facilities - BWG Compliance 	<ul style="list-style-type: none"> - Door to Door Collection - Source Segregation - Waste processing facilities (waste processed and sale register & vendor details) - Waste disposal facilities - BWG Compliance - On-site wet waste processing by non-BWG
Marks	100	200	325	450