

INST MIRA ROAD CONTRACTOR

das Paine was the first



Safaímítra Suraksha Challenge

CASES

search for the other two.

was shut for a few months and

Pir: Hanif Patel

in Hyderabad - vacase cos

National Competition

supposed to proworker dies while cleaning a sewer in northeast Delhi's Shahdara mechanised equi 2016 at dangerous site November 2019 | A sanitation worker

City Challenge on Man-hole to Machine-hole Transformation

ning a sewer pit at Greens in vo men die after xic gases in a sewage plant at a five-star tyens' Delhi 17 | Sanitation s in LNJP hospital

Aug 14 | Iwo workers cleaning a sewer die at a mall in Shahdara Aug 7 | Three inhale toxic gas in Vasant Kuni, die Jul 16 | Four labourers killed in a tank in Ghitorni Mar 4 | Youth dies and his colleague is injured while cleaning sewer in Fatehpur Beri

check presence c > Workers go in: when the matchs not extinguish, b like methane are under sediments

released when w

removing debris

2010	68	e
2018		Y
2019	110	Ur
ISOURCE, SOCIAL II	ISTICE MINISTRY IN THE	Dist.

SOURCE: SOCIAL JUSTICE MINISTRY IN THE LOK SABHA ON FEBRUARY 11, 2020



intering a septic tank at a house in Rohini

02 hindustantimes

2 workers die cleaning 22-year-old dies septic tank, 3 critical

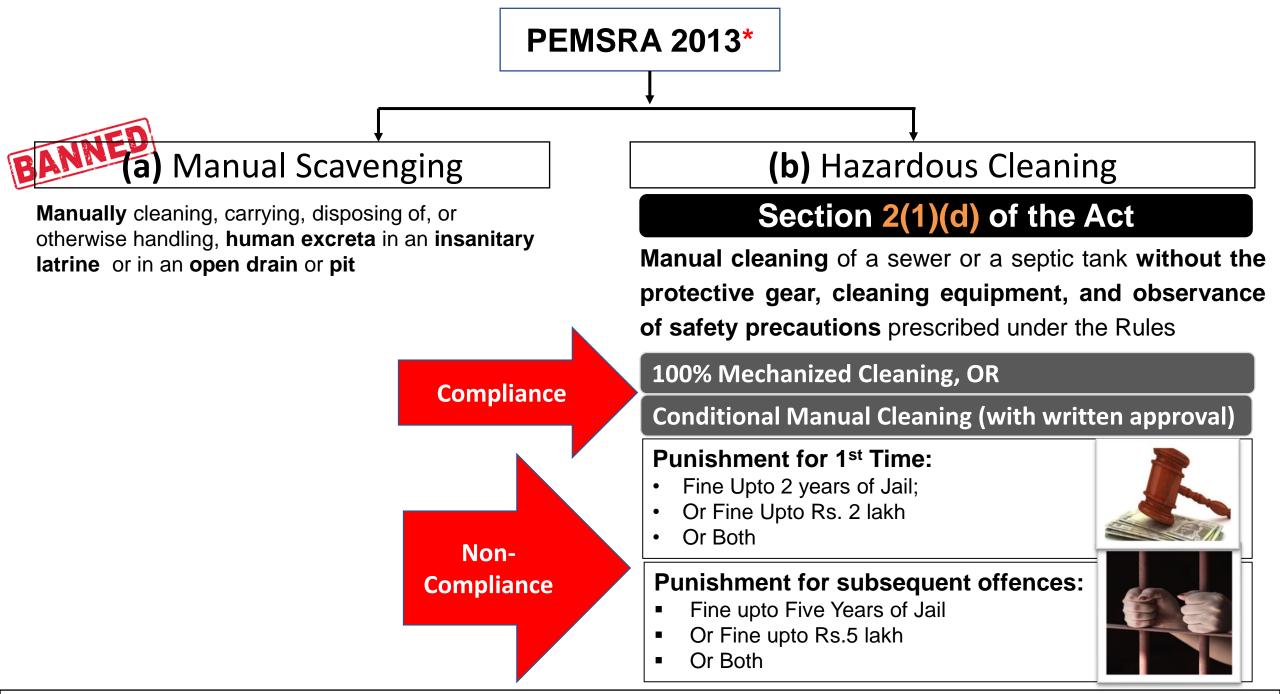
factory near GT Kamal Road



Building owner among ver death in capital.



•



*Prohibition of Employment as Manual Scavengers and their Rehabilitation Act

Hazardous Cleaning of Sewers and Septic Tanks: Penal Consequences

PEMSRA Act^{*}, 2013 Deals with two distinct aspects – (a) manual scavenging, and (b) hazardous cleaning *Prohibition of Employment as Manual Scavengers and their Rehabilitation Act

Section 2(1)(d) of the Act

The Act defines "hazardous cleaning" as manual cleaning of a sewer or a septic tank without the protective gear, cleaning equipment, and observance of safety precautions prescribed under the Rules

Under Section 7 of the Act

It is an offence to directly or indirectly employ or engage any person for hazardous cleaning. Thus, violation of the aforementioned safety precautions is an offence under the Act, even in cases when hazardous cleaning does not result in death or serious injuries. This prohibition applies to individual persons as well as local authorities and agencies.

Under Section 9 of the Act Punishment for 1st Time: Fine Upto 2 years of Jail; Or Fine Upto Rs. 2 lakh Or Both

Provision under section 9

Procedure : Section 9 is made cognisable and non-bailable under section 22

- 1. Any person coming across an **instance of hazardous cleaning** of a sewer or septic tank **can give** this **information to the police**, who are then required to file an FIR
- 2. The **police** can subsequently **arrest the accused without warrant** and the accused will be required to approach a Court for bail.
- 3. Under section 21 of the Act, the offence may be tried summarily before a Judicial Magistrate of the first class. This results in simpler process for trial and conviction, without the requirement of framing a formal charge.

Nature of Evidence : Proving the Offence under section 9

- 1. Act **only requires evidence of hazardous cleaning** being carried out by a worker in direct or indirect engagement or employment with the person being prosecuted
- Example: If an officer of a local authority is found to be engaging workers for manual cleaning of a sewer without the written permission of the CEO, the lack of such permission could provide evidence of the offence being committed
- 3. Similarly a **photograph or video** of a worker cleaning a septic tank without prescribed safety equipment, can constitute evidence of an **offence by the person engaging or employing such worker**

Safaimitra Suraksha Challenge

To Save the Lives of Formal/Informal Workers engaged in Septic Tank/Sewer Cleaning



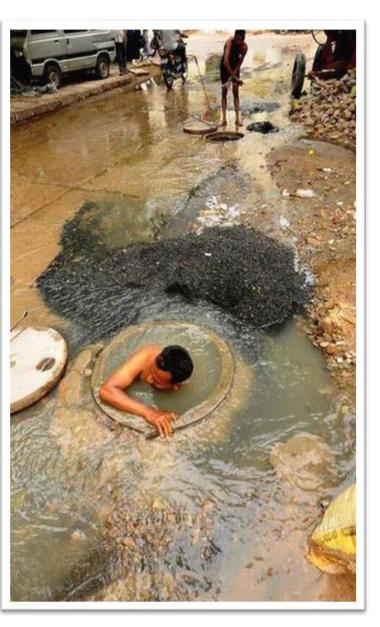




Bottomline

All informal Workers to be identified by the City to integrate them with formal mechanism in place for cleaning Septic Tanks/Sewer Lines

Focus of the Challenge



- Thrust on mechanized cleaning of sewers and septic tanks, to minimize necessity of human entry
- Availability of proper protective gears and equipment in case manual entry is unavoidable.
- **Creation of conducive eco-system through:**
 - trained workforce,
 - large scale citizen outreach,
 - 24x7 helpline,
 - enforcement mechanisms



Key Points to Remember

Important Timelines

- Preparatory period
- IEC Activities
- On-field Validation

- : 19th Nov to 30th April 2021
- : January 2021 onwards
- : 1st May 2021 30th June 2021
- : 15th August 2021

• Results

Safaimitra Suraksha Challenge-2021 (SSC-2021)

- Monthly Progress to be updated mandatorily by 5th day on SBM portal
 - March 2021 progress to be updated by 5th April 2021
 - April 2021 progress to be updated by 25th April 2021
- SSC-2021 will be evaluated by an independent third party agency
- Assessment Agency will create a portal for SSC-2021.
- ULBs are expected to upload their supporting documents and pictures of IEC/Public Awareness campaign on this portal. Supporting documents to be updated by 20th April 2021
- Pictures of IEC/Public Awareness campaign are also expected to be updated on Swachh Manch and ULBs Face Book Page
- The assessment agency may ask for any other document which are required for the evaluation. ULB will be given 48-Hours window to upload the same – state will also be alerted simultaneously.

Safaimitra Suraksha Challenge-2021 (SSC-2021).....contd.

- If satisfactory documents not given upon requests, zero marks will be given agency will take a call on all such cases in consultation with the Ministry.
- **Progress claimed** by the ULB against each indicator will be **validated through call/field visits**.
- Log Books/supporting documents, supporting the progress, should be maintained at the plant/24X7 call centre only – to be provided/uploaded, if asked.
- Ministry will share the IEC creatives for ULBs to disseminate. ULBs may also design similar creatives to promote the campaign
- Safaimitra : Any worker engaged in cleaning of Septic tank/sewer lines

Awards

□ Award Categories for Best performing Corporations

Sub-Categories 1 st prize		2 nd prize	3 rd prize	
(population)				
≻ 10 lakh	Rs 12 Crores	Rs 6 Crores	Rs 3 Crores	
3 - 10 lakh	Rs 10 Crores	Rs 5 Crores	Rs 2.5 Crores	
Upto 3 lakh	Rs 8 Crores	Rs 4 Crores	Rs 2 Crores	
Total		Rs 52.5 crores		

□ Cities ranked 4th & 5th in each category will also be felicitated

- □ Top-2 performing States will be felicitated
- □ Top performing UT will be felicitated



Evaluation Process Summary

Key Performance Areas : Total 1000 Marks

Qualification Conditions for Participating Cities

1. Setting-up RSA and SRU

2. Certified ODF+

3. Ban on Single-Use Plastic

Marks

200

Marks

400

Marks

100

Core Parameters : 700 Marks

1. Citizen's Empowerment

- 24X7 Helpline
- Public Awareness Campaigns
- 2. Mechanised Cleaning: Men & Machine
 - Equipment & Infrastructure
 - Workforce
- 3. Mechanised Cleaning: Soft Measures
 - Capacity Building
 - Empowerment of Safaimitra

Eco-System Parameters: 300 Marks

Marks

100

Marks

50

Marks

50

Marks

50

Marks

50

1.	Periodic preventive
	maintananaa

maintenance

- 2. Sustainable O&M
- 3. Treatment Capacity
- 4. Adoption of **Innovative** Approach
- **5. Standardization** of Septic Tank



70%

Core Parameters (Drivers)

1. Citizens Empowerment – Total Marks 200

1. 24X7 Helpline

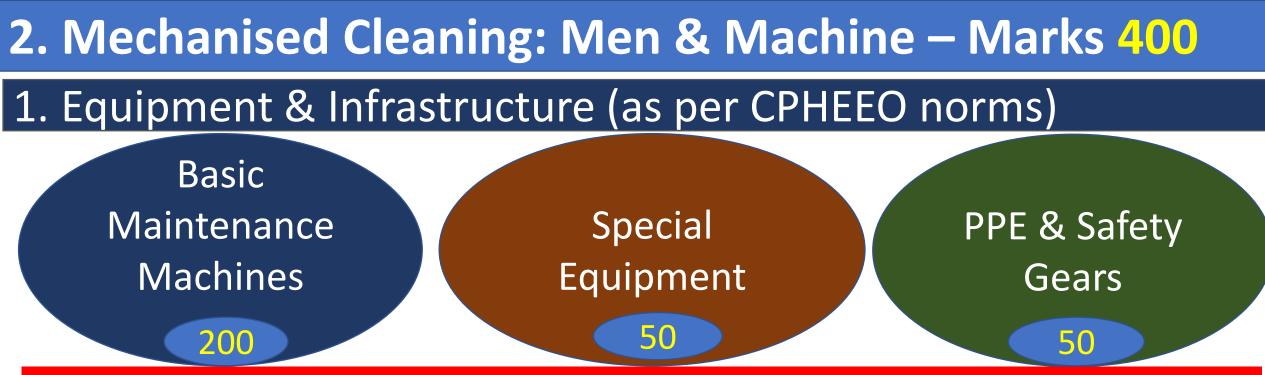
24X7 Helpline Number, Portal and WhatsApp number

for queries/ complaints



2. Public Awareness Campaigns Citizens/Service providers familiar with Do's and Don'ts of the business





Note: If mandatory PPEs mentioned (in red) in the list not in place, **20% marks will be deducted** from this section carrying total 400 marks







Mechanised Cleaning: Men & Machine (contd.)

2. Workforce as per CPHEEO norms



Requisite Water borne Safaimitras (Sanitation Commandos) in place





3. Mechanised Cleaning: Soft Measures – Marks 100

1. Capacity Building

Training / Skill Development of Safaimitras/workers engaged in cleaning of Septic Tank/Sewer lines

60 Marks



Standard Operating Procedure for Cleaning of Sewers and Septic Tanks

Central Public Health and Environmental Engineering Organisation (CPHEEO)

Mechanised Cleaning: Soft Measures ...(Contd.)

2 (a). Empowerment of Safaimitra

Rehabilitation of informal Safaimitras ...linking with **social** welfare schemes, **Ration Cards**, **Education for Children etc.**





Mechanised Cleaning: Soft Measures ...(contd.)

2 (b). Empowerment of Safaimitra

Rehabilitation of informal Safaimitras ..linkage with Entrepreneurship/ Lilvehood Opportunities





30% Eco-System Parameters (Enablers)

Periodic Preventive Maintenance – Total Marks 100

Scheduled de-sludging of Septic Tanks and Sewer manholes

50 Marks

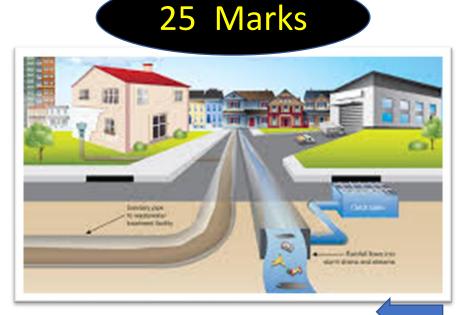


All Critical Hot Spots mapped

25 Marks



% of Wards connected to closed system (septic tank/sewers) % of Septic Tanks Geo-tagged



Sustainable O&M – Total Marks 50

Whether Revenue collected is matching the total O&M expenses



Treatment Capacity of FSTP/STP & Actual Treatment –

Whether treatment capacity is matching with the total faecal sludge/sewage generated/collected

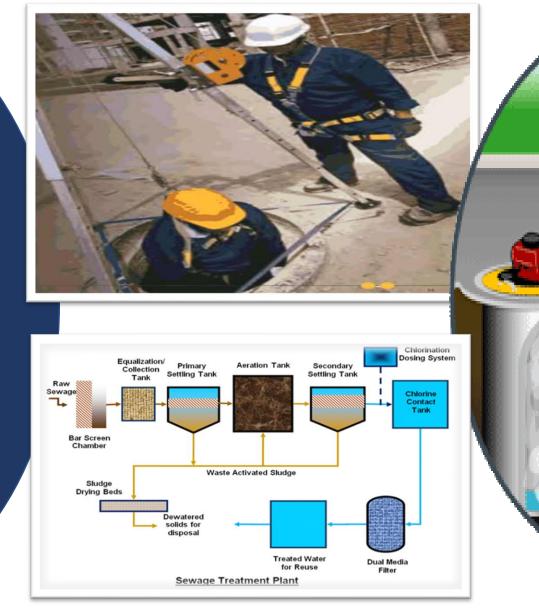


What % of faecal sludge/sewage is actually treated



Innovations – Marks 50

Like low-cost solutions, faster solution, alert system, efficiency improvement etc.



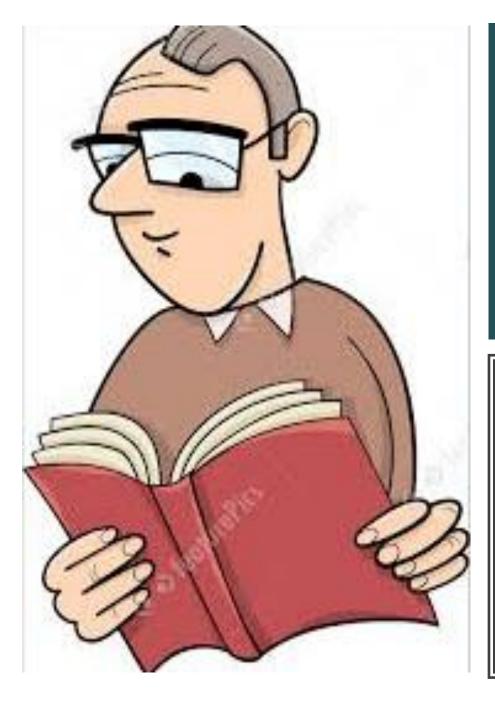
Standardization of Septic Tanks – Marks 50

Septic tanks to be constructed as per the prescribed design and specifications



Standardized septic tank design to be incorporated in **building by**laws **Building Bye Laws** % of Septic tanks in compliance with **IS 2470** Code







TOOLKIT

For detailed indicators

City Challenge



Performance Parameters : 1,000 Marks

City with Maximum Marks will be the Winner

Core Parameters 700 Marks (70%)

- **1.** Citizen's Empowerment
 - 24X7 Helpline
 - Public Awareness Campaigns
- 2. Mechanised Cleaning

core

- Equipment & Infrastructure
- Workforce
- 3. Mechanised Cleaning: Soft Measures
 - Capacity Building
 - Empowerment of Safaimitra

Eco-System Parameters 300 Marks (30%)

- 1. Periodic preventive maintenance
- 2. Adoption of Innovative Approach
- 3. Standardization of Septic Tank
- 4. Treatment Capacity
- 5. Sustainable O&M



Eco-System

Pre-qualification criteria to participate in challenge

 Setting up of Responsible Sanitation Authority (RSA) and Sanitation Response Unit (SRU)

State must have notified RSAs and established SRU in the participating cities to take care of emergency situations of blockages of sewers & septic tanks and thereby preventing manual hazardous cleaning

2. Valid ODF+ Certification

City must have valid ODF+ Certification on the closing date of application

3. Notification of ban on single use plastic Ban on single use plastic including <50 micron plastic is notified so as to minimize the choking of sewers & septic tanks

Total Marks 1,000



70% Core Parameters (Drivers) 700 Marks (70%)

1. Citizen's Empowerment

- **24X7** Helpline (to seek information, register complaint and track resolution status)
- Public Awareness Campaigns (IEC campaigns on mandatory mechanized cleaning and penal provisions for non-compliance)
- 2. Mechanised Cleaning
 - Equipment & Infrastructure (Availability of mechanized cleaning vehicles and equipment)
 - Workforce (Requisite resources along with PPE Kits & Safety Gears as per CPHEEO norms)
- 3. Mechanized Cleaning: Soft Measure
 - Capacity Building (In-house/private trained desludging operators/staff following CPHEEO Manual)
 - Empowerment of Safaimitra (Linkages with social welfare schemes along with developing entrepreneurship in this sector)

Total Marks 1,000



Eco-System Parameters (Enablers) 300 Marks (30%)

- **1. Periodic preventive maintenance of sewers/septic tanks** (whether mechanism exists for periodic/need-based maintenance of sewers/septic tanks)
- 2. Adoption of Innovative Approach to eradicate manual cleaning (promoting innovations in low-cost solutions for cleaning sewers/septic tanks, mainstreaming informal workers etc.)
- **3. Sewage/Septage Treatment Capacity** (whether sewage and septage treatment capacity is matching with its generation)
- **4.** Sustainable O&M (Ensure financial sustainability to match the operational cost like salary of contractual staff, diesel, consumables, breakdown repairs etc.)
- Standardization of Septic Tank (Standardise septic tank designs in Municipal bye-laws and a a mechanism in place to ensure compliance during building plan approval)



70% Core Parameters (Drivers)

Citizens Empowerment



Public Awareness Campaigns



1

50

200

150

2	4X7 Helpline, Portal & WhatsApp Number				
1. Is 24X7 Helpline number, portal and WhatsApp number in place and operational to help citizens in registering their complaints and provide their resolution status on real-time basis ?			Max Marks 50		
SI. No.	Services Provided				
		Yes	No		
1.	Whether a 24X7 Helpline, Portal and a WhatsApp number in place for calling de-sludging- Helpline15operators or registering complaints for septic tank/sewer overflow?- WhatsApp5	25	0		
2.	Whether following services provided:				
	a) Queries answered related to services available/legal obligations	5	0		
	b) Complaints can be registered 24x7	5	0		
	c) Real Time Status of Complaints available including resolution	5	0		
	d) Complaint is not closed till complainant is satisfied and 4 digit Happiness Code shared for closure or any other mechanism to ensure customer is satisfied before complaint is closed	5	0		
	e) Service Level Agreement (SLA) in place with Escalation Matrix for non-compliance in resolution time	5	0		
	Total	50	0		
Note: Each redressal system should have mechanism for generating monthly report showing all complaints received, in process, resolved and feedback received.					

Public Awareness: IEC

1. Whether IEC carrying following messages have been carried out in print, electronic media, social media or through murals to educate citizens, other stakeholders as well as ULB employees about importance of following approved de-sludging practices for septic tank/sewer/storm water drain manhole cleaning from January 2021 onwards

Max Marks 45

1.	IEC messages around availability of 24X7 Helpline to help citizens in all queries/issues around cleaning of septic tanks and sewer lines/stormwater drains manhole. The helpline should also address Safaimitra's grievances	12
2.	IEC messages around scheduled cleaning (once in every 3 years) of septic tanks	11
3.	IEC messages around penal actions for non-compliance	11
4.	IEC messages around engagement of ONLY licensed operators in all wards	11
	Total	45

Note: All supporting pictures for monthly awareness campaigns to be uploaded by 5th day of the following month. Pictures to be uploaded on Safaimitra Suraksha Challenge-2021 portal and associated social media channel, Swachh Manch and FaceBook page. (City name and ULB Code mandatory for entries)

Public Awareness – Legal Picture	
2. Whether monthly Public Awareness campaign carried out in 100% wards, to educate citizens, other stakeholders as well as ULB employees about importance of following correct legal practices for septic tank/sewer/stormwater drain manhole cleaning	Max Marks 35
Public Awareness created for correct legal practices/penal provisions for non- compliance while cleaning septic tanks, sewer lines and stormwater drains through-	
- Street plays (monthly 2 in each ward)	7
- Door-to-Door messaging (monthly once)	7
 Focused Group Discussions(FGDs) in all vulnerable places i.e. unplanned colonies/slums/ hot spots identified etc. (monthly twice in each such vulnerable places) 	7
- Messaging done on 100% CT/PTs	7
- 100% de-sludging vehicles registered with ULB carrying messages	7
Total	35

Public Awareness – Hoarding, Posters, Wall Writing/Murals etc.				
3. Whether Public Awareness campaign carried out in 100% wards to educate citizens, other stakeholders as well as ULB employees through Hoardings, Posters, Wall Writings/Murals about importance of following correct legal practices for septic tank/sewer/stormwater drain manhole cleaning				
Public Awareness activities				
- In each ward minimum 1 hoarding is placed (each hoarding to be geo-tagged with unique ID)	6			
- In each ward minimum 20 posters are pasted on walls	6			
- In each ward messaging done through Wall Writing/Murals – Minimum 10 walls	6			
 In each slum & unplanned colony with 25 households minimum 1 hoarding is in place (each hoarding to be geo-tagged with unique ID) 	6			
- In each slum & unplanned colony with 25 households minimum 10 posters are pasted on walls	6			
 In each slum & unplanned colony with 25 households messaging done through Wall Writing/Murals – Minimum 3 walls 	5			
Total	35			

Note: Hoarding/Poster Sizes: Hoarding minimum 8'x10' and Poster minimum 2'X4'

Public Awareness– Impact on Citizens				
4. Impact of Public Awareness Campaigns: Whether public awareness campaign carried out by the ULB has been able to penetrate key messages among all citizens and other key stakeholders (including service providers)				
SI. No.	Do Your Citizens Know that			
1.	there is a helpline number for calling de-sludging operators or registering complaints for septic tank/sewer/stormwater drain manhole overflow?	7		
2.	Would they still call regular informal cleaner to clean their septic tanks or call 24X7 helpline to employ ULB registered cleaners/operators ?	7		
3.	In how many years a septic tank should be cleaned?	7		
4.	There is a provision of penal action for non-compliance?	7		
5.	5. Are Citizen's satisfied with the call centre services?			
	Total	35		

Mechanized Cleaning

Infrastructure & Equipment





Marks

400

Workforce

1	nfr	astructure & Equipment	
1. Holding of Core Sewer and Septic Maintenance Machines : Whether ULBs has number of machines / equipment available, as per CPHEEO norms, to clean sewers/septic/stormwater drain manholes tanks			
		ormance areas : ULBs are expected to match the 100% requirement of Itenance Machines to get 100% marks	Max Marks 180
Percentage as calculated by the formula (CPHEEO norms) will be applied on 'Maximum score' which will become the score of the ULB			
SI N	o.	Performance indicators (This indicator will ascertain whether private desludging operators are registered with ULB / PHED and are being monitored to ensure zero tolerance on non-compliance)	Marks 20
	1.	100% private de-sludging operators (de-sludging staff) registered/license given	10
	2.	All de-sludging vehicles are tracked by ULB through RFID/GPS	10
		Total	20

Workforce 2. Holding of Requisite Water borne Sanitation Workforce/Safaimitras Max and SEPs (Sanitation Commandos) - Whether ULBs has dedicated Marks workforce available, as per CPHEEO norms, to meet daily de-sludging 100 requirements Marks **Performance areas :** ULBs are expected to match the 100% requirement of Waterborne Sanitation Workforce/staff to get 100% marks 80 Percentage as calculated by the formula (CPHEEO norms) will be applied on 'Maximum score' which will become the score of the ULB Marks **Performance areas :** Hardship Allowance 20 Whether hardship allowance added with monthly salary of the Safaimitras – minimum 10% of the salary

Infrastructure & Equipment

3. Holding of PPE and Safety Gear: Do you have required number of PPEs and Safety Gears to meet daily cleaning requirements as per CPHEEO norms?

Marks

50*

Performance areas :

- a) ULBs are expected to match the 100% requirement of PPE and Safety Gears to get 100% marks
- b) ULBs are expected to meet the requirement of specified **Safety Gear** to get 100% marks

Percentage as calculated by the formula (CPHEEO norms) will be applied on 'Maximum score' which will become the score of the ULB

* Failure to obtain >25 marks in this indicator will lead to deduction of 200 Marks in the ULB's overall score.

Machine and Workforce Benchmark

Sanitary Sewer Coverage

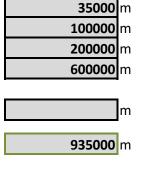


Length of Sanitary Sewers

- a) More than 900 mm Diameter
- b) 601-900 mm Diameter
- c) 301-600 mm Diameter
- d) Upto 300 mm Diameter

Length of Combined Sewers, if Any

Total Sanitary Sewerage



77272

(In metres)

*Not being Judged

Population Covered by Sewers

No of Combination Hydro Vac Equipment

The Hydrovac Set can be a single vehicle, usually called Super Sucker Else a train of one suction vehicle (Gully Emptier) and a water tanker can do the same job The Standard Hydrovac Set is expected to clear 15m/hr in a sewer of 601-900mm dia, 30m/hr in a sewer of 301-600 mm dia and 60m/hr in a sewer of <300 mm dia

Minimum Number of Hydrovac Sets

3

5

With Alternate Arrangements for small dia(upto and including 300mm diameter) sewers (to be proven by the City)

No of Sanitary Maintenance-holes (incl on Combined Sewers)

If Known

30000

No of Grabbers/ desilting machines

Else @30 per KM

6

24147

Household units (or equivalent) Covered by Septic Tanks

If Known

Includes others

Else, for Competition

At 4.8 pers per HH

The Septic Tank Vehicle cum Pumping Equipment may come in various combinations A Standard Septic Tank Vehicle is one which may collect and transport 9000 litres/day and manage 6 Households per day in the maintenance Cycle

No of Standard Septic Tank Vehicles

5

Note:

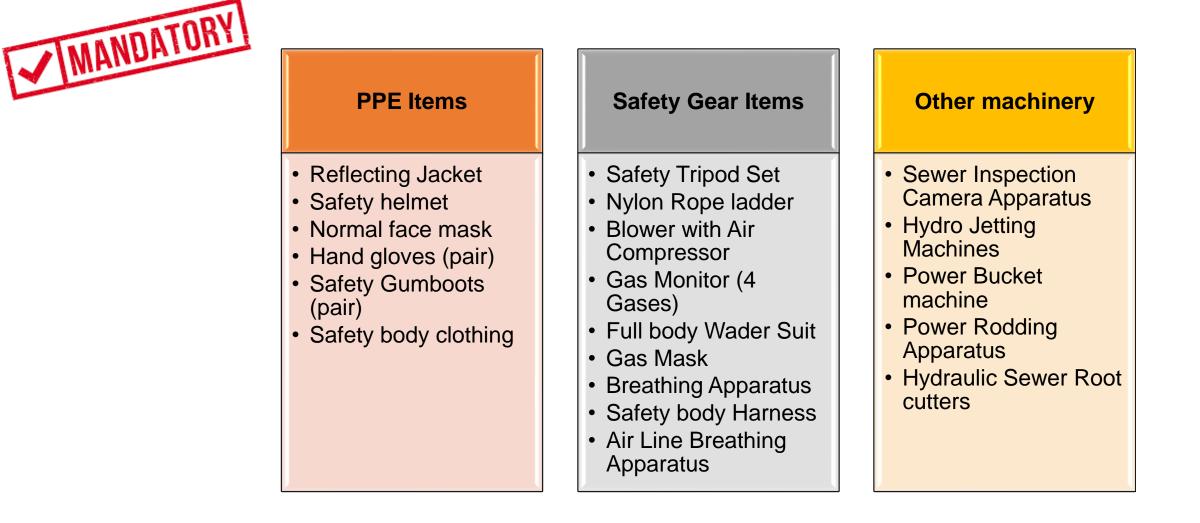
Calculator/Calculation sheet shared 1. with all participating cities to prepare better for the challenge.

Mandatory Safety Gears for Safaimitras / Swachhata Commandos



Rule 4 of MS Rules:

Any person engaged to clean a sewer or a septic tank shall be <u>provided by his employer</u>, protective gear and safety devices including, but not limited to the following:















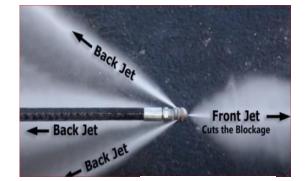




Mechanical Equipment











Scaling of Items for Evaluation purpose

While all items as stated in the MS Rules are needed to be held by a ULB, however the scale of any item will depend on various local situations and redundancies.

For purpose of Safai Mitra Suraksha Challenge -

PPE and Safety Gear Scaled items- The holding of PPE and Safety Gear will be considered adequate if the following scale of select equipment is maintained by the ULBs (including holding by parastatal, State PHED office responsible for the city or private empanelled sanitation service organisation

	PPE Item	Scale		Safety Gear Item	Scale	
1	Reflecting Jacket	Number equal to Sewermen+	1	Safety Tripod Set	One per each SEP team	
2	Safety helmet		2	Safety body Harness	two per each SEP team	
۷		sanitary beldars	3	Nylon Rope ladder	One per each SEP team	
3	Normal face mask	on roll/ required under CPHEEO norms	4	Blower with Air Compressor	One per each SEP team	
4	Hand gloves			norms	5	Gas Monitor (4 Gases)
5	Safety Gumboots		6	Full body Wader Suit	One per SEP	
6	Safety body clothing		7	Gas Mask	One per SEP	
			8	Breathing Apparatus	One per SEP	
			9	Air Line for Breathing Apparatus	One per SEP	

Infrastructure & Equipments

4. Holding of Special Maintenance/ Cleaning Equipment: Do you have special maintenance/cleaning equipment meeting daily cleaning requirement, as per CPHEEO norms?

Performance areas : ULBs are expected to match the 100% requirement of cleaning equipment to get 100% marks	Marks 50
Percentage as calculated by the formula (CPHEEO norms) will be applied on 'Maximum score' which will become the score of the ULB	

5. The local authority shall ensure that the following cleaning devices are used by persons engaged in cleaning sewer or septic tanks. including but not limited to the following:



Establishment of RSA and SRU







Composition

S/ N	Officer/ Staff	Mechanism of Appointment	Nature of Appt.
1	Responsible Sanitation Authority (RSA)	Nomination through State Gazette Notification Disst Collector or Equivalent	Additional Role
2	Officer In-charge of ERSU	Through Municipal or Distt Office Order Executive Engineer or Eq AEE or Eq for ULBs < 2 Lakh	Additional Role
4	Duty/ Entry Supervisor	Through Municipal or Distt Office Order Junior Engineer or Sanitary Inspector	Additional Role
5	Administrative Supervisor	Through Municipal or Distt Office Order Junior Engineer or Sanitary Inspector or Eq Ministerial	Full Time
6	Call centre Attendant	Through Municipal or Distt Office Order	Full Time/ Outsourced
7	Sewer Entry Professionals (Sewer Commandos)	Through Municipal or Distt Office Order 7% of Municipal sewer men/ beldars or sewer men of parastatal/ PHED or Empanelled PSSO workmen	Additional Role

State/UT Government RSA ERSU PSSO SEP/pSEP

Sewer Entry Professional (Sewer Commandos)

- Dedicated teams of at least two trained persons
- One team for 200 km of sewer length
- Minimum team of 2 for 1 lakh population and 7 % of overall sanitary persons required (sewer-men & sanitary beldar)
- Sewer-men & sanitary beldars (sanitary helpers) to be nominated as sewer entry professional through annual order from Municipal Commissioner/ head of parastatal.
- Private Sanitation Service Organizations (PSSOs) may be empanelled by ERSUs to provide an assured number of professionally trained and equipped private SEPs (pSEPs) and equipment sets.



Equipment holding with ERSU

- 5% of sewer/septic tank maintenance equipment will be placed at disposal of ERSU through Office Order of Municipal Commissioner or Head of Parastatal
- Special Entry Support Vehicle: Under Design process
- Akin to safety eqpt transporter, fire brigade veh and Ambulance



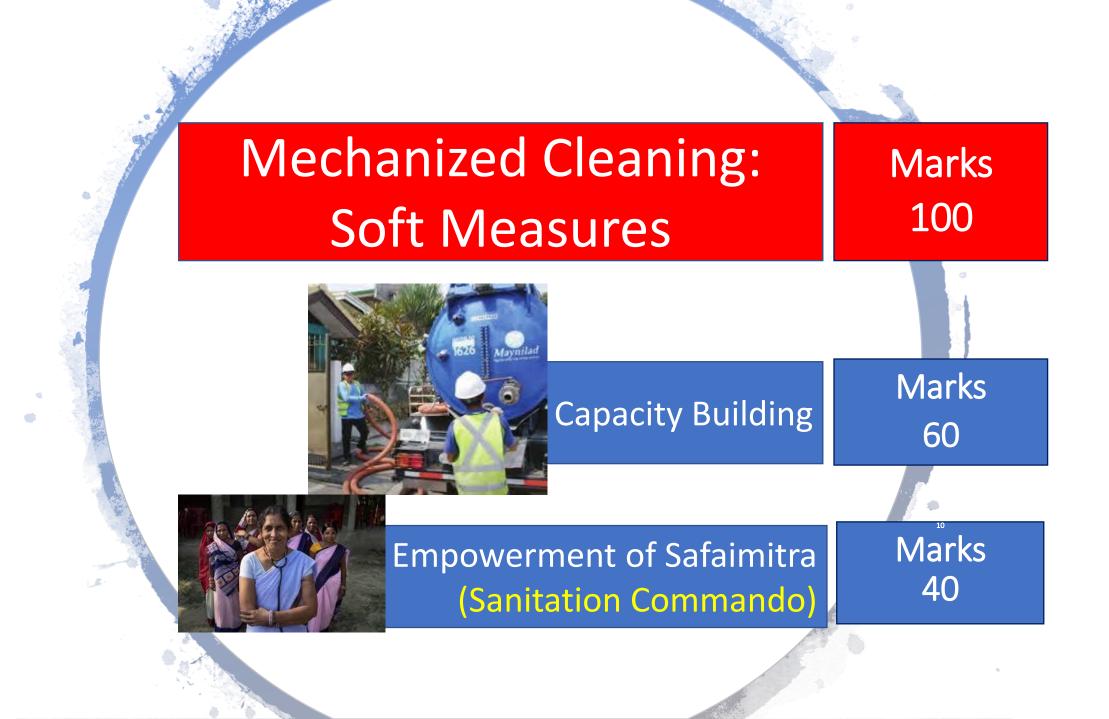






Source	of Equ	lipment	tand	Manpower

	Sum Total of
a)	Municipal Corp own employees and equipment Resources
b)	Parastatal or PHE Department Resources deployed in the ULB
c)	Empanelled and Registered Private Sanitation Service Organisations (PSSO)
d)	Contracted Manpower and/ or Equipment



Capacity Building

1. Training / Skill Development: Are registered de-sludging operators (de-sludging staff), sewer, stormwater drain manhole maintenance staff trained on safety related issues

SI. No.	Performance indicators	Marks 60				
		Yes	No			
1.	Whether the toolkit and applicable norms have been translated in vernacular language	10	0			
2.	 Whether all de-sludging operators/Staff (In-house/Private Operator)/informal Safaimitras gone through a certified training on safety measures and legal norms to be followed, and mechanized septic tank/sewer line/stormwater drains manhole cleaning 	25	0			
3.	Whether validation test conducted post-training sessions to ascertaining the learning captured by the participants	25	0			
	Total	60	0			

Note: Knowledge of all trained de-sludging operators/staff will be tested through a questionnaire designed by CPHEEO to qualify for marks claimed. Questionnaire to be shared.

2(a). Rehabilitation of informal Safaimitras engaged in cleaning of septic tanks/ sewer lines /stormwater drains

SI. No.	Performance indicators	Mar 20	
		Yes	No
1	Minimum 20% of total informal Safaimitras identified are integrated with private de-sludging operators	4	0
2.	Whether 100% informal Safaimitras identified, have been linked with at least 3 social welfare schemes of the Central/State Government	4	0
3.	Whether 100% informal Safaimitras identified, have been informed about soft loan schemes available through NSKFDC	4	0
4.	Whether children of 100% Safaimitras are enrolled in schools, if applicable	4	0
5.	Whether 100% Safaimitras are given ration cards	4	0
	Total	20	0

Empowerment of Safaimitra

2(b). Rehabilitation of Safaimitras : Percentage (%) of Safaimitras identified are linked with entrepreneurship opportunities either through convergence or providing soft loans through NSKFDC or under any other scheme

Performance indicators	Marks 20
- Minimum 5 informal Safaimitras identified from each ward	10
- 2-4 informal Safaimitras identified from each ward	5
 >80% informal Safaimitras indentified are linked with entrepreneurship/livelihood opportunities 	5

Summary of Performance Parameters : 1,000 Marks

30% Eco-System Parameters (Enablers)



300 Marks

States and a state of the state	Periodic preventive maintenance	100
	Sustainable O&M	50
	Sewage and Septage Treatment Capacity	50
	Innovative Approach	50
	Standardization of Septic Tank	50

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Periodic Preventive Maintenance

1(a). Periodic preventive maintenance of septic tanks, Sewer and stormwater drain manholes/ lines in the city

SI. No.	Whether ULB has scheduled de-sludging of 1/3 rd of total septic tanks of the city in each year	Marks 25
1.	1/3 rd of the septic tanks scheduled for de-sludging and 50% of them already de-sludged by 30 th April 2021	25
2.	1/3 rd of the septic tanks scheduled for desludging and 25% of them already de-sludged by 30 th April 2021	20
3.	1/3 rd of the septic tanks scheduled for de-sludging by 30 th April 2021	15
SI.	Whether ULB has scheduled de-sludging of 50% of total sewer and stormwater drain manholes of the city in	Marks
No.	each year	25
No.	each year 50% of the sewer manholes/lines scheduled for de-sludging and 50% of them already de-sludged by 30 th April	25

Periodic Preventive Maintenance

1 (b). Critical Sanitation spots (Hot Spots): Whether the ULB/WSSB/Jal Board have identified the areas of the city / town (particularly informal/vulnerable groups are living) wherein frequent blockages/ accidents take place and has put in place necessary action plan.

SI. No.	Performance indicators (This indicator will ascertain whether the Hot Spots have been identified and steps taken as preventive maintenance or at least plans have been developed)	Marks 20
1.	Preventive maintenance or at least plans developed for >95% Hot Spots identified	20
2.	Preventive maintenance or at least plans developed for 75% -94% Hot Spots identified	15
3.	Preventive maintenance or at least plans developed for 50% -74% Hot Spots identified	10
4.	Preventive maintenance or plans developed for 25% -49% Hot Spots identified	5

Periorid Preventive Maintenace

1(C) Sanitation Coverage - What percentage of Wards in the city / town are connected to a closed system such as sewerage and / or septic tank + soak pit. And what % of Septic tanks are geo-tagged (ULB must submit sewer network map to claim the progress)

SI. No.	Performance indicators (This indicator will ascertain whether the city has adequate sanitation coverage with sewerage network and / or septic tanks. No open flow of sewage).	Marks 20
1.	>95% of Wards in the City are connected to a closed system (Sewerage/Septic Tank)	20
2.	75% - 94% Wards in the City are connected to a closed system	15
3.	50%-74% Wards in the City are connected to a closed system	10
4	25%-49% Wards in the City are connected to a closed system	5
SI. No.	% of Septic Tanks in the ULB have been geo-tagged	Marks 10
	% of Septic Tanks in the ULB have been geo-tagged >95% Septic Tanks in the ULB have been geo-tagged	
No.		10
No. 1.	>95% Septic Tanks in the ULB have been geo-tagged	10 10

Sustainable O&M

2. Sustainable O&M : Whether the revenue collected is sustainable to carry out O & M of the mechanized cleaning system including its related expenses like salary, diesel, consumables, breakdown repairs, etc.

Scheme of Marking	Marks 50
100% of the operational cost met by revenue collected	50
80% – 95% of the operational cost met by revenue collected	45
60% – 79% of the operational cost met by revenue collected	30
40% – 59% of the operational cost met by revenue collected	25
20% - 39% of the operational cost met by revenue collected	15
10% - 19% of the operational cost met by revenue collected	5
Note:	

- 1. Only user charges collected or sanitation charges collected under property tax will be considered
- 2. Grant under 14th Finance Commission will not be considered.
- If ULB has outsourced/engaged private operator to manage de-sludging of septic tanks/sewers/storm water drains, expenses incurred and revenue earned/collected by the private operator will not be added in O&M expenses /revenue for/ from the services/operators directly handled by the ULB.
- 4. Period under consideration 1st April 2020 to 31st March 2021

Treatment Capacity & Actual Treatment	
3. Sewage & Septage Treatment Capacity and Actual Treatment	
Whether capacity of FSTP /STP in the city is matching with the total faecal sludge/sewage which is collected/ generated in the city	Marks 25
>95% capacity matching with total faecal sludge/sewage generated	25
Between 75% -95%	20
Between 50% - 74%	15
Between 30% – 49%	10
<30% but not zero	5
What percentage of faecal sludge collected or sewage generated from Households/Commercial Establishments/ CTs/PTs is treated at FSTP/STP - Scientific treatment of faecal sludge/sewage	Marks 25
>95% Faecal sludge/Sewage treated	25
85-94% Faecal sludge/Sewage treated	21
75-84% Faecal sludge/Sewage treated	17
65 – 74% Faecal sludge/Sewage treated	13
55 – 64% Faecal sludge/Sewage treated	9
45% - 54% Faecal sludge/Sewage treated	5
<45% Faecal sludge/Sewage treated OR no data available	1
Note: If required possibility of chared facility with other LILDs, so treatment may be evalured	

Note: If required, possibility of shared facility with other ULBs, co-treatment may be explored

Innovations

4. Adoption of Innovative Approach : Whether any innovative system for cleaning the sewers, stormwater drains and septic tanks have been developed / implemented.

SI. No.	Suggested (but not exhaustive) Innovation areas	Marks 50
1.	Innovation proposed is a low-cost solution (with justification)	
2.	Innovation proposed has provided faster solution	
3.	Innovation proposed has considerably improved the efficiency in the cleaning/ maintenance syste	em
4.	Innovation proposed has prevented entry into the septic tank/sewer/stormwater drain man-hole	
5.	Innovative welfare scheme proposed	
6,	Innovation proposed has an advanced warning system in the sewer/stormwater drain network wh inform the likelihood of a blockage so as to carry out preventive maintenance.	iich can

Note: All Innovations must be implemented by 31st March 2021 and uploaded on **Safaikarmi Suraksha Challenge** portal by 30th April 2021.

5. Standardization of Septic Tank				
Performance indicators	Marks 50			
Whether all the new septic tanks (after 1 st January 2021) are constructed as per the prescribed design (IS Code 2470) and specifications to facilitate mechanized cleaning and reduce blockages.	15			
Whether standardized septic tank design has been incorporated in building bye-laws. Whether these included as part of the building construction phases or the issuance of building use (BU) permission?	25			
 How many masons/contractors in the ULB are trained in standardization of septic tank (as per IS 2470 Code) >95% 75-94% 50-74% <50% 	10 10 8 6 0			
	Performance indicatorsWhether all the new septic tanks (after 1st January 2021) are constructed as per the prescribed design (IS Code 2470) and specifications to facilitate mechanized cleaning and reduce blockages.Whether standardized septic tank design has been incorporated in building bye-laws. Whether these included as part of the building construction phases or the issuance of building use (BU) permission?How many masons/contractors in the ULB are trained in standardization of septic tank (as per IS 2470 Code)- >95% - 75-94% - 50-74%			





Independent Validation Matrix



Sampling Criteria

Independent Validation Matrix: Population wise respondents							
Assessment Area Population							
	<50 K	50 K - 1 Lakh 1-3 Lakh		3-	3-10 Lakh >10 L		
Sample respondent count/ locations Or Actual Locations (whichever is lower)	75	90	120			150	180
Independent	Validation – Im	pact on 'Servio	e Lev	el Progr	ress' N	Aarks clai	med
							arking Table
 Step-1: Adjusted Mar 	rks - % of sampl	es failed will le	ad	Sample Fai	lure (%)	% of Negativ	e Marking on Total
to same % of marks d	•					Marks claimed, to be deducted	
			eu			from 'Adjusted Marks'	
under 'Service Level F	'rogress'			<20%			0%
				20% - 30%		5%	
 Step-2: Negative Mar 	rking - On accou	int of failure of	:	31% - 40%		10%	
•	•			41% - 50%		20%	
samples from 20% on	•	•	•	51% - 60%		30%	
will be applied as per	the following ta	able, to calcula [.]	te	61% - 70%		40%	
'Final Marks'				71% - 8		50%	
				81% - 90%		60%	
				91% - 100%		70%	
Note: At least 40% of the words (camples) where progress claimed, will be severed upder sitizens validation							

Note: At least 40% of the wards (samples) where progress claimed, will be covered under citizens validation.

