the international water association

10-14 December 2023 | Kigali, Rwanda

Sanitation worker safety work and provisions made in cities of Maharashtra: Municipal Councils in Maharashtra, India

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#### inspiring change







# SANITATION WORKERS: IMPORTANT FRONTLINE WARRIORS



- The sanitation workers provide **important sanitation** services to our cities.
- Despite of playing pivotal role in the sanitation value chain, they are often unrecognized and unquantified.
- Often exposed to serious environmental and health hazards jeopardising their safety and health





# POLICY AND PROGRAM FORMULAITONS AT THE CENTRE FOR SANITATION WORKERS



- Two major schemes have been launched by the Ministry of Housing and Urban Affairs (MOHUA)
- National Action for Mechanized Sanitation Ecosystem (NAMASTE) scheme jointly launched by Ministry of Social Justice
   and Empowerment across 4861 cities of India
- Safai Mitra Suraksha Challenge launched across 246 cities in India which focuses on safe and mechanized operations by sanitation workers





100% mechanization operations.

Health Insurance coverage of SSWs

Training of SSWs and Duty Supervisors

Capital Subsidy on Loans to SSWs for Procurement of Sanitation-related Vehicles

#### **Provision of PPE**



CRDF CEPTRESEAACH AND DEVELOPMENT FORMULATION

# **COMMITMENT TO CWIS IN SMM 2.0 MISSION GUIDELINES AND LEADERSHIP SPEECH**





**8.** Achieving City Wide Inclusive Sanitation and Safai Mitra Surakshit Sheher through convergence with the scheme/programme as well with the inter-department coordination.

अभियान कालावधी ऑक्टोबर २०२१ ते ऑक्टोबर २०२६

अष्टमार्ग

#### संकल्प स्वच्छतेचा

- १. घरगुती/कुटुंब स्तरावर कचऱ्याचे विलगीकरण
- २. १००% घरोघरी घनकचरा संकलन
- 🗧 ३. १००% कचन्याचे शास्त्रशुद्ध पद्धतीने व्यवस्थापन व लॅंडफिलींग
- ५. जुन्या साठलेल्या कचन्यावर प्रक्रिया आणि त्या ठिकाणाचे हरित क्षेत्रामध्ये रूपांतर
- ५, निर्धारित वेळापत्रकानुसार मैला व्यवस्थापन तसेच वापरलेल्पा पाण्याची वित्हेवाट लावण्या करिता १००% सुरक्षित संकलन, वहन, आणि प्रक्रिया करणे
- 🗧 ६. वैयक्तिक घरगुती शौचालय

#### 💥 ७. आकांक्षीत सार्वजनिक शौचालये

🔆 ८. आंतरविभागीय अभिसरण उपक्रमाद्वारे शहरव्यापी सर्वसमावेश स्वच्छता अपि सफाई मित्र सुरक्षित शतर बनवणे



# FOCUSED EFFORTS AT STATE LEVEL THROUGH

# Letter to ULBs to adopt standard uniform for Sanitation workers





Circular on Mechanization of Sanitation related activities to minimize any kind of contact with sewage/Faecal sludge

> स्वयन संपूर्णने वीडिवी पद्धींने करग्याबला संपूर्वदाने महराष्ट्र सालन नार विकास विषण हातम परिन्दुक संजित्त २०२१ कि. १७८/गति-३४ हुताला राजनुक चीड, मादान काम मार्ग मंत्राला, मुंदर्थ, 100-22 दिलाक, भड़े किंबर, २०२२

सेप्टीक टेंक व मलजल वाहिन्यांची

#### वाचा:-

- हाताने मैला उचलणाऱ्या सकाई कामगारांच्या नियुक्तीस प्रतिबंध करणे व त्यांचे पुनर्वसन करणे अधिनियम, २०१३.
   शासन निर्णय क. बैठक-२०२०/प्र.क.४/नवि-३४, दि. ३० जानेवारी, २०२०.
- ३) गृह निर्माण तथा नागरी कार्य मंत्रालय, भारत सरकार यांच्याद्वारे निर्यामित स्वच्छ भारत अमियान (नागरी) २.० च्या मार्गदर्शक सुचना.
- ४) मा. सविध, गृह निर्माण तथा शहरी कार्य मंत्रालय, भारत सरकार यांथे राज्याच्या मा. मुख्य संधियांना अग्रेषित केलेले अ.सा. पत्रक्र.१५/२२/ २०२०- SBM-1, दि. १७ वेषुवारी, २०२२.
- ५) ज्ञासन निर्णय, नगर विकास विभाग, क्र: स्वमअ-२०१७/प्र.क.७३/नवि-३४,दि.१५/७/२०२२
- राज्य अभियान संचालनालय परिपत्रक क्र. राज्यस्थ/मैला व्यवस्थापन/१९३९/२०२२, दि. ३० नोव्हेंबर, २०२२ आसन परिपत्रक :

के द्रा सालनो निर्भाव 1 किंगत २०६३ खुन्द ताउने में ता जलाभाया करते कामाने त्रिजुनीत प्रीक्षंत करने व राजे पुरुष्ठांस करने क्रमिनियः, २०१३ तालू केवा आते. जा क्रमिनियनुपात स्वेतं स्वया व्यत्त अवियत लालो २० अपीत अपीत क्रमिया कामां क्रमित्र प्रात्म कामां कामां क्रमित्र में ताला क्रमित्र कामां त्र कामां का ताले पुर्वास्त करने अभिवर्स करणवा आते काम. तालुपात मानते स्वयित्त प्रात्मां का क्रमित्र सेर्टले के ताल स्वार्थ कामांव्या आते काम. तालुपात मानते स्वयित्त प्रात्म कामां का कामां का कामां का सोर्टले के ताल स्वार्थ मार्टला का कामां वाल्व के स्वार्थन से व्यत्ति स्वार्थना स्वार्थना स्वार्थना कामां का संवर्धना कालगत को तीते, क्रांस्तीन क्रांस्त कामां कामां ताल स्वार्थना स्वार्थना स्वार्थना स्वार्थना कामां कामां सेर्टले के स्वारत क्रीं स्वार्थ कर्षाया कार्य के स्वार्थना स्वार्थना स्वार्थना स्वार्थना कामां कामां कामां कामां सेर्टले के स्वारत कार्यना सार्थ कामां का



# EXPERIENCES AND LEARNING FROM CWAS SUPPORTED CITIES





As part of technical support unit CWAS has been supporting 7 city government for improvement and innovations towards sanitation worker safety.

Experiences and learnings from these cities have translated to recommendations for advisories, guidelines at Centre and State level

CWAS CONTER CRUCKER AND DEVELOPMENT AND DEVELOPMENT AND SAMINATION

# ASSESSMENT OF SANITATION WORKERS CONDUCTED IN THE SUPPORT CITIES





#### Worker profiles

- Average ratio govt. employed and private contractual
- Employment benefits
- Low PPE usage
- Contract documents did not have PPE related clause



#### **Qualitative discussions**

- Lack of awareness on health impacts of not using PPE
- PPE not activity and gender specific
- PPE not user friendly workers reported discomfort as reason for not using



Evaluating monitoring, replacement regime

- No systematic monitoring mechanisms
- Not replaced timely
- Supplied once under SBM



#### **Review of available guidelines**

Advisory on Community & Public Toilets, 2018 Standard Operating Procedures for cleaning of Sewers and Septic Tanks, 2018

 Swachh Bharat Mission: Municipal Solid Waste Management Manual, 2016



#### **PPE market assessment**

- Options for user friendly gear
- Comparing costs
- · Vendor availability

# MODEL PPE PROCUREMENT AND MODEL CLAUSES FOR LABOUR CONTRACTS



#### **Contract modified to include PPE clauses**

Inclusion of appropriate **PPE related clauses** in **all contract documents** of the sanitation department

Procurement of PPEs as per the guidelines based on activity, gender etc. Regular replacement regime scheduled.

**PPE Procurement** 

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					Date:	/ /20
		Tender	Form			
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WALLAR BUCKBAL COUNCIL MAN

- Terms and conditions:-1. No advance amount will be sanctioned for this work
- Ive duratice and/out will be sound for on this work.
   I/we/our shop/our institute will be bound to complete the work of providing PPEs to the sanitation department, Wai municipal council within the time given in the work order.
- In any case, I/we/our shop/our institute agree that the term will not be extended beyond what is mentioned in the work order.
- If the work is not done in time, the deposit will be confiscated and penal action will be taken. This is acceptable to me/us/our shop/our institute.
- I/we/our shop/our institute will be responsible for complying with the terms and conditions of the e-tender form, agreement and work order
   I/we/our shop/our institute will be obliged to pay government taxes for this work.
- I/we/our shop/our institute agree that the deposit I paid will not be refunded until the work is completed.
- In case of any accident or mishap, I/we/our shop/our institute will be fully responsible for providing PPEs to the sanitation department, Wai municipal council.
- I/we/our shop/our institute agree that the provision of PPEs to the sanitation department, Wai municipal council is to be made under the supervision of <u>pukkgkgng</u> and helpers.
- I/we/our shop/our institute agree that taxes will be deducted from this work bill as per the rules.
- 11. If there is any dispute between me/us/our shop/our institute and the Wai municipal council, i/we/our shop/our institute agree that it is necessary to file a case in the Wai court. Curd as Wai municipal council is within the boundarie/jurisdiction of the Wai court. 12. As per the provision of Section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, in case of any double in future regrating stamp dux, the entire entire of the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, in case of any double in future regrating stamp dux, the entire entire of the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, in case of any double in future regrating stamp dux, the entire entire of the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the entire entire of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 34 of the Mumbai Stamp Act, 1558 dated 20/07/2008, the section 3
- responsibility will be on me/us/our shop/our institute. 13. If this contract is to be terminated, it will be mandatory for me/us/our shop/our institute to give a preliminary notice to the Wai municipal council one month in
- institute to give a preliminary notice to the Wai municipal council one month in advance. Failure to do so will result in recovery of the cost incurred by the municipal council. 14. It will be mandatory for me/us/our shop/our institute to supply materials/PPEs of
- Indian Standard (SI Mark) companies only as per the work order issued.
   I/we/our shop/our institute will be oblighed to provide PPFs to all male and female
- 15. i/we/our snop/our institute will be obliged to provide PPEs to all male and remaie workers of the sanitation department, Wai municipal council.
  16 The rates i/we/our shop/our institute have mentioned in the tender will not exceed
- b. Ine rates (/we/our shop/our institute nave mentioned in the tender will not exceed the market price. If the rate goes above the market price, I/we/our shop/our institute will be fully responsible for compensating it.
- The Wai Municipal Council reserves the right to approve or reject the tender without giving any reason.







### TRAINING AND STRENGTHENING MONITORING SYSTEMS



#### **Training and sensitization**

Training workshops, health camps, and counselling sessions to be conducted to sensitize on the importance of using PPE





#### Monitoring systems

**Paper based and digital tools to be** made available for easy monitoring and ensuring regular use of PPE

Helmet	Safety goggle	Nose Mask	Hand Gloves	Jacket	Safety Shoes	Gum- boots	Remark	Sign
Date	Date	Date	Date	Date	Date	Date	PPE set given	Sign
			Date				Hand gloves are torn.	Sign





# FUND ALLOCATION AND ALIGNING TO EXISTING MISSIONS AND PROGRAMS



#### Fund allocation as part of city budget

**Cities to earmark funds in budgets** for purchase of PPEs and trainings , **Loans under NSKFDC** can be explored for purchase of machinery

# Aligning efforts to existing mission and programs

Alignment of city level efforts with the current missions such Swachh Bharat Mission, Amrut, Safai Mitra Suraksha Challenge, NAMASTE scheme etc. City officials are made aware of the missions and supported to align their activities as per the mission objectives.









### **KEY LEARNINGS WHICH HAVE BEEN SCALED UP AT STATE LEVEL**



Data on sanitation workers ecosystem Collect real time data on **sanitation workers**, **service providers**, **PPE provision**, **replacement** etc.

Adopt a holistic approach to improve

Holistic approach including **fund allocations, technology, governance, and behavior change** along with participation from all **stakeholders**.



**Provide PPE** to all with effective **monitoring and replacement regime**. contracts with the private sector need to address these.



**Change attitude** towards sanitation workers, consider them as assets, acknowledge their work and bring in dignity.

# Thank you

CWAS FOR WATER AND SANITATION

CRDF CEPT RESEARCH AND DEVELOPMENT FOUNDATION

CEPT UNIVERSITY

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#### About us

The Center for Water and Sanitation (CWAS) is a part of CEPT Research and Development Foundation (CRDF) at CEPT University. CWAS undertakes action-research, implementation support, capacity building and advocacy in the field of urban water and sanitation. Acting as a thought catalyst and facilitator, CWAS works closely with all levels of governments - national, state and local to support them in delivering water and sanitation services in an efficient, effective and equitable manner.

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