Sanitation Capacity Building Platform

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New Delhi, INDIA

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NE-78, Hall 3, Room 18
**Client Name:** Bill & Melinda Gates Foundation

**Timeline:** Nov 2015 – Oct 2019 (Phase-I)

Nov 2019 – Oct 2021 (Phase-II)

**Webpage:** scbp.niua.org (150+ documents, 600+ registered users)

**Scope of Work & Outcomes of Phase 1:**

- **40%** Anchoring Capacity Building at National Level: Strategy, Content development
- **40%** Technical Advisory and Support on NSS to states
- **20%** Advocacy and Research

*FSSM: Faecal Sludge and Septage Management*  
*NSS: Non-Sewered Sanitation*
Capacity Building: National Level
- State Level Capacity Building – State and ULB Officials, Private Sector
- Institutional Capacity Strengthening – Training Institutes, Academia
- Content Development – Modules, Learning Materials, Research Studies

Technical Support to State Government and Urban Local Bodies
- Sanitation Situation Assessments – Waste Water and Septage
- Pilot Projects - DPR, Transaction Advisory, Support for Incremental Changes

Policy Framework & Research
- Review of Legal and Institutional Framework
- Formulation of Policy/Operational Guideline/Regulations for FSSM

SCBP is a Platform for Capacity Building

Stakeholders Engaged with
- State Government Officials - Decision makers, Parastatal bodies, Pollution Control Board
- ULB officials – Elected Representatives, Commissioners, Engineer, Sanitary Functionaries
- Others – Masons, Private Operators, Plant Operators

Institutional Capacity Strengthening
- Training Institutes
- Academia

Private Sector
- Design Engineers and PMC Consultants
- Working professionals from TSUs and PMUs
Nodal Training Institutes

800 officials from 12 states reached through a Network of 7 Training Institutes

Academia

- Multi-disciplinary engagement: Engineering, Planning, Architecture, Humanities, Management
- Integration of NSS in course curriculum and workshops
- 1200 Students, 50 faculties, Research Scholars and Working Professionals
SCBP PHASE-I ACHIEVEMENTS

**Content**
- 15 modules, 12 research studies, 10 technical reports developed
- 150+ documents uploaded online; 9500+ downloads
- 1,40,000+ website hits
- 650+ registered users

**Training**
- 2000+ government officials (ULB/State) trained on FSSM
- 22 NIUA trainings; 17 nodal institutes trainings; 11 exposure visits
- 250+ students; 30+ faculties trained
- 5+ gamification models developed

**Partnerships**
- Partnership with 10+ NFSSMA partners forged
- Engaged with 8 AMRUT nodal institutes for FSSM
- MoU with 9 Academic Institutes
- Int’l partners: EAWAG, SuSanA, IRC

**Impact**
- Paradigm Shift for FSSM
- Partners & Nodal training institutes using NIUA developed training content
- 6 FSTP in UP, Raj, Port Blair, Rudrapur
- UP: 640 Crores; Rajasthan: 400+ Cr.
Contribution of SCBP to overall Urban Narrative

- South-Asia Capacity Building on FSSM (World Toilet Summit, Mumbai 2018): 80+ participants
- National Workshop on Non-Sewered Sanitation (Uttarakhand 2019): 50+ participants
- National Academia Conclave (CEPT University 2019): 100+ students; 30+ faculties, 15 universities
- First DPRs of FSTPs for 4 states
- On demand support to towns: Assessment WAPCOS DPR for Port Blair
- 4 City Sanitation Plans for Odisha towns
- 7 State Urban Sanitation Studies
- Technical Reports: FSTP compendium, Life Cycle Costing Report, Co-Treatment Study

**TECHNICAL SUPPORT**
- Policy Framework for Water and Waste Water: NUIS, MoHUA
- NUSP 2.0 input for Approach and Capacity Building section
- Odisha Rural Sanitation Policy
- SCBP Portal as a KM repository for NSS in India. MoHUA link needed

**ADVOCACY**
- SCBP Member of Change Management Task Force of GIZ supported international network: SuSanA
- SCBP is FSM Lead CB Agency in Asia: African partners and Bangladesh reaching out to NIUA
- Academia - Training Institutes - States Collaboration

**INTERNATIONAL PLATFORMS**
Leverage NIUA organizational mandate to drive institutionalization and to integrate FSSM CB plans with other national urban missions.

**SCBP Phase-II: Strategic Priorities**

**Primary Outcome 1**
- SCBP revamped and recognized by states, cities and nodal institutes as a knowledge and capacity building hub for FSSM in India.

**Primary Outcome 2**
- Improved treatment potential of FSSM in Uttarakhand (potential of state to move from 22% to 68%; vision to move from 22% to 48% through NIUA intervention) by strengthened policy, technical and implementation capacities at state and ULB level.

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**TMRC 2.0**
- Develop next generation training content and innovative formats/approaches for delivery
- Develop a Roll-Out plan for dissemination of content created
- Creating of Pool of trainers, beyond the NFSSMA network to scaleup and sustain the Capacity Building Initiatives
- Mechanisms for quality assurance of trainings and for impact measurement

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**TMRC 2.0 integration with channels of delivery**
- Partnerships established and capacity building of nodal training institutes (8 at state level and 2 at national level) and academia (technical/management/planning streams) for long term sustainability
- Dissemination of TMRC training materials and delivery charter for Alliance and sector partners through common training calendar
- TMRC resources and modules hosted at KM platform efforts (led by BMGF)

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To deliver proof of concept of capacity building initiatives, provide TA and capacity building support to State of Uttarakhand.

- Institutional arrangements and framework strengthened for FSSM scale up at state level. This will involve septage protocol operationalized and investment plan developed and TA for FSSM pilot solutions
- Institutional capacities of nodal training institutes (ATI Nainital) and 2 academic institutes (IIT Roorkee and Doon University) strengthened to support ULBs on FSSM implementation (using content and delivery charter developed under TMRC)
**PRIMARY OUTCOMES**

Sanitation Capacity Building Platform (SCBP) revamped and recognized by states, cities and nodal institutes as a knowledge and capacity building hub for FSSM in India (based on TMRC as the foundation)

**INTERMEDIATE OUTCOMES**

Training Module Review Committee (TMRC) 2.0 anchors development of next generation training content for capacity building of stakeholders on FSSM

**OUTPUTS**

Training content synthesized and standardized across stakeholders

Next generation training content developed, i.e., Online Courses/MOOC, Immersive/Animated Learning Material/Videos, Gamification

Mechanisms for quality assurance of trainings and for impact measurement

FSSM training (based on TMRC) integrated within existing delivery mechanisms in urban programs through nodal institutes, academia and Alliance/ Sector Partners for long term sustainability

Partnerships established and capacity building of nodal training institutes (8 at state level and 2 at national level) and academia (technical/ management/ planning streams) for long term sustainability

Dissemination of TMRC training materials and delivery charter for Alliance and sector partners through common training calendar

Training and capacity building resources and modules hosted within the broader KM platform efforts (led by BMGF) for dissemination of TMRC material at scale
<table>
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<tr>
<th>PRIMARY OUTCOMES</th>
<th>INTERMEDIATE OUTCOMES</th>
<th>OUTPUTS</th>
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<tr>
<td>Improved potential for treatment of faecal sludge and septage management in Uttarakhand (potential of state to move from 22% to 68%; vision to move from 22% to 48% through NIUA intervention) by strengthened policy, technical and implementation capacities at state and ULB level</td>
<td>Institutional arrangements and framework strengthened for FSSM scale up at state level</td>
<td>Operationalisation of Septage Protocol and investment plan for FSSM</td>
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<td>Technical assistance for FSSM pilot solutions at select ULBs (co-treatment, deep row trenching, FSTPs) to showcase solutions for state-wide scale up</td>
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<td>Institutional capacities of nodal training institute (ATI Nainital) and 2 academic institutes (IIT Roorkee and Doon University) strengthened to support ULBs on FSSM implementation</td>
<td>State normative framework for capacity building implemented through TMRC materials and delivery charter</td>
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**About Training Module Review Committee (TMRC)**

To ensure quality control in content and delivery of trainings and capacity building efforts, a Training Module Review Committee (TMRC) was formed with the collaborative effort of National Faecal Sludge & Septage Management Alliance (NFSSMA) partners. TMRC which is anchored by NIUA, has the following broad objectives:

- Identification of priority stakeholders and accordingly training modules for Capacity Building
- Development of a Normative Framework – for Capacity Building at State-level
- Standardization of priority training modules – appropriate standardization of content with flexibility, for customization based on state context
- Quality control of trainings – criteria for ensuring minimum quality of training content and delivery
- Strategy for measuring impact of trainings and capacity building efforts

**Next-generation Capacity Building**

- E-courses
- Innovative Delivery Mechanisms
- Modules
- Gamification
- Virtual Reality Tools
- High Impact Videos
<table>
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<tr>
<th>Training Modules</th>
<th>Elected Representatives</th>
<th>Executive Officers Commissioner of Small Towns</th>
<th>Mid Level Engineers</th>
<th>Junior Technical and Administrative Staff Sanitary Inspectors, etc.</th>
<th>Commissioners, Senior Officials, Senior Engineers</th>
<th>Pollution Control Board</th>
<th>Town planners</th>
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<tr>
<td><strong>FSSM 0.1</strong> Orientation Training</td>
<td>Half day Training on Roles of Elected Representative, 74th Amendment Roles of Elected Representatives in relation to FSSM</td>
<td><strong>One day orientation for mixed group of audience - urbanisation, integrated waste water management, city wide inclusive sanitation, sanitation safety planning</strong></td>
<td>Sensitisation/ consultation - need to develop videos, posters, handouts on case studies</td>
<td><strong>Half day consultation/ workshop on policy, regulations and financing</strong></td>
<td>Advocacy material - policy briefs, handouts/ fact sheet on existing/upcoming FSTPs, Co-treatment videos on FSSM and FSTPs</td>
<td>Half day consultation/ workshop on regulatory and statutory aspects of FSSM and FSTP management</td>
<td>One day Orientation Training on linkage between urbanisation and sanitation. Linkage between planning tools/ documents Rules &amp; legislations of the two interconnected sector - land use planning and sanitation</td>
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<td><strong>FSSM 0.2</strong> Exposure Visits</td>
<td><strong>Two day training and exposure visit along with EO (one day class room, one day site visit), Policy and regulations, basic technology financing for FSSM</strong></td>
<td>Three day Training and Exposure visit - 2 day class room &amp; one day exposure</td>
<td>One day exposure visit to state level good practice on solid and liquid waste management</td>
<td>Two day peer learning/ Twining programme Exposure visit to FSTP &amp; interaction with senior state/ ULB officials</td>
<td>Two day Training and Exposure visit on on regulatory and statutory aspects of FSSM and FSTP management - one day class room &amp; one day exposure</td>
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<td><strong>FSSM 0.3</strong> Advanced Training</td>
<td><strong>Three day Advanced Training - two day class room, one day field visit</strong></td>
<td>Assessment and planning, design of treatment module, O&amp;M, financing, DPR review, financing and procurement</td>
<td>International exposure visit</td>
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NIUA establishes a Center for Urban Sanitation

A single window for all practitioners, academics, business entities and civil society to find knowledge, learning, data and other resources.

**Center for Urban Sanitation at NIUA**

- **Technical and Policy Advisory powered by NIUA's org. support**
  - Existing SCBP portal revamped to a one-stop source for all knowledge resources and tools & platform for all capacity building initiatives – ranging from workshop/training registration, to discussion forums
  - Portal transferred and hosted at MOHUA’s website
  - Portal endorsed by MoHUA to maximize usage by state and ULB officials

- **TMRC 2.0**
  - Technical collaborations with nodal training institutes (ATIs, LBSNAA) for FSM Trainings and long-term sustainability
  - Collaboration with identified partners to institutionalize the delivery of TMRC material through common training calendar

- **Levers**

- **2 -3 years**
  - Leverage NIUA organizational mandate to drive institutionalization and to integrate FSSM CB plans with other national urban missions
  - Provide technical assistance and policy advisory support to National government (on demand) and State of Uttarakhand to create an enabling environment

- **Outcomes:**
  - National FSSM knowledge & capacity building hub established at NIUA
  - Improved capacities at State level to scale up FSSM through knowledge hub, TMRC resources and processes
All learning materials available on scbp.niua.org