SCHOOL OF CIRCULAR ECONOMY

3rd GFCCE WORKSHOP CUM EXPOSURE VISIT

South-South Cooperation on Solid Waste Management to Showcase Indian Best Practices under Swachh Bharat Mission 2.0



1 - 5 May 2023

Venue: Anil Agarwal Environment Training Institute (AAETI)
Nimli, Tijara, Rajasthan, India

PARTICIPANTS

Sl. No.	Name	Country	Designation	Organization
1	Ms. Leena Nandan	India	Secretary	Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India
2	Mr. B.V.R. Subrahmanyam	India	Chief Executive Officer	NITI Aayog (National Institution for Transforming India), Government of India
3	Dr. Sunita Narain	India	Director General	Centre for Science and Environment
4	Dr. Samuel Gwamaka Mafwenga	Tanzania	Director General	National Environment Management Council
5	Dr. Menan Hungwe Jangu	Tanzania	Director – Research	National Environment Management Council
6	Ndimbumi Joram Mboneke	Tanzania	Manager	National Environment Management Council
7	Alain Theophile Bela Manga	Cameroon	Chief of Service of Toxic and Hazardous Waste	Ministry of Environment, Protection of Nature and Sustainable Development
8	Djedji Benjamin Onamoun	Cote d'Ivoire	Deputy Director of Environmental Technologies	Ministry of Environment and Sustainable Development
9	Kpan Nestor Gono	Cote d'Ivoire	Environmental Engineer	Ministry of Environment and Sustainable Development
10	Fikru Alemu Nega	Ethiopia	Senior Expert, Green Technology Administration and Monitoring	Ministry of Innovation and Technology
11	Ndumiso Cyprian Magagula	Eswatini	Environment Inspector – Waste Management	Eswatini Environment Authority
12	Thandeka Lucia Dlamini	Eswatini	Environmental Health Inspector	Ezulwini Town Council
13	Joy Hesse Ankomah	Ghana	Principal Programme Officer	Environmental Protection Agency
14	Solomon Nuetey Noi-Adzeman	Ghana	Director of Waste Management Department	Accra Metropolitan Assembly
15	Rose Kemunto Mokaya	Kenya	Public Health Practitioner	Department of Environmental Health,
16	Pius Kiprono Tanui	Kenya	Deputy Director Environment – In-charge of Municipal Waste	Nairobi City County
17	Hortencia Joana Macombo Massinga	Mozambique	Head of Department	Ministry of Land and Environment
18	Silva Jacinto Magaia	Mozambique	Councillor for Spatial Land Development, Environment and Construction	Maputo City Municipality
19	Carol Hermionee Garus-oas	Namibia	Deputy Environmental Commissioner	Ministry of Environment, Forestry and Tourism
20	Eliphas Urioukuao Kahorere	Namibia	Engineer – Solid Waste Management	City of Windhoek
21	Sylvie Mugabekazi	Rwanda	Chief Executive Officer	The Cleaner Production and Climate Innovation Centre
22	Amadou Pauline Diagne	Senegal	Environmentalist, Head of the Regional Division	Environment and Classified Establishments of Koda
23	Jenitha Badul	South Africa	Director	Department of Forestry, Fisheries and the Environment
24	Mamonyama Elizabeth Ntoyi	South Africa	Assistant Director	Department of Forestry, Fisheries and the Environment
25	Hombakazi Blou	South Africa	Director: Waste Minimization & Circular Economy	Department of Forestry, Fisheries and the Environment

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26	Rajabu Ally Ngoda	Tanzania	Head of Unit Solid Waste Management and Sanitation	Dar es Salaam City Council
27	Geophrey Evodia Zenda	Tanzania	Senior Environmental Health Officer	Dar es Salaam City Council
28	Ezra Yakobo Guya	Tanzania	Municipal Waste Management Officer	Ubungo Municipal Council
29	Lawi Bernard Mgongo	Tanzania	Municipal Director	Ubungo Municipal Council
30	Salmin Amour Abdalla	Tanzania	City Director	Zanzibar City Council
31	Mugambwa Richard Mukasa	Uganda	Environment Inspector and Project Manager – Municipal Solid Waste	National Environment Management Authority
32	Jude Zziwa Byansi	Uganda	Manager – Solid Waste and Environment Management	Kampala Capital City Authority
33	Brian Siakabeya	Zambia	Principal Solid Waste Management Officer	Ministry of Local Government and Rural Development
34	Imuwana Mwanamwalye	Zambia	Chief Executive Officer	Lusaka Integrated Solid Waste Management Company Limited
35	Leon Gift Mutungamiri	Zimbabwe	Acting Provincial Environmental Manager for Harare	Environmental Managment Agency
36	Md Nazrul Islam Mian	Bangladesh	Project Director	Department of Public Health Engineering, Ministry of Local Government, Rural Development and Co-operatives
37	MD Shamsul Alam	Bangladesh	Executive Engineer	Faridpur Municipality
38	Karma Gyeltshen	Bhutan	Sr. Sanitary Inspector, Enviornment Division	Gelephu Thromde
39	Madhu Timilsina	Nepal	Senior Divisional Engineer	Ministry of Water Supply
40	Pathmalatha Abeykoon Rathnappuli Hewa Mynattuge	Sri Lanka	Additional Secretary, Environment Policy and Planning	Ministry of Environment
41	Galwadu Acharige Indra Preethika Dayaseeli Bandara	Sri Lanka	Assistant Director	Central Environmental Authority
42	Dr. Madhusmita Samantray	India	Executive Officer, Odisha Administrative Services	Keonjhar Municipality
43	Harshad Barde	India	Director	SWaCH, Pune
44	Capt. Sunpreet Singh	India	Managing Partner	Human Matrix
45	Shibu Nair	India	Regional Organics Campaigner	Global Alliance for Incinerator Alternatives (GAIA)
46	Dr. Vivek Agarwal	India	Technical Director	International Solid Waste Association
47	Dr. Rachana Arora	India	Team Leader	GIZ, India
48	Dr. Mayur Shirish Jain	India	Assistant Professor	IIT Indore
49	Shilpi Karmakar	India	Project Manager	UNDP
50	Nalini Shekar	India	Co-founder and Executive Director	Hasiru Dala
51	Satish Sinha	India	Associate Director	Toxics Link
52	Zulkif Shaikh	India	CEO	Sanjeevani S3 Mumbai
53	Etosha Chatterjee	India	Lead-Outreach and partnerships	Waste Warriors Society
54	Ankit Kumar Rath	India	Associate Fellow	TERI

PROGRAMME AGENDA

Time	Agenda	Speaker / Facilitator
DAY I – 1ST MAY 2023		
9:00 – 9:30 AM	**Registration**	CSE team
9:30 – 10:00 AM	Welcome Address and Overview of Global Forum of Cities for Circular Economy	Dr. Sunita Narain, Director General, CSE
10:00 – 10:15 AM	**Keynote address:** Indian Policy Ecosystem to Institute Circular Economy in Solid Waste Management	Ms. Leena Nandan, Secretary, Ministry of Environment, Forest and Climate Change (MoEFCC)
10:15 – 10:30 AM	**Keynote address:** India's Vision for a resource-efficient Future in Solid Waste Management	Mr. B.V.R. Subrahmanyam, CEO, NITI Aayog
Tea Break: 10:30 – 10:45 PM		
10:45 – 11:45 AM	Challenges and Agenda for Solid waste management in the Global South	Atin Biswas, Programme Director, CSE
11:45 AM – 1:00 PM	Achieving Source Segregation for Sustainable Solid Waste Management – lessons learnt from India's cleanest city (Indore)	Mr. Sunpreet Singh, Indore Municipal Corporation
Lunch Break: 1:00 – 2:30 PM		
2:30 – 3:30 PM	Decentralized Approach to Municipal Solid Waste Management – Experiences from India	Dr. Madhusmita Samantray, Keonjhar Municpality
Tea Break: 3:30 – 3:45 PM		
3:45 – 5:00 PM	Material Recovery facilities (MRF) and recycling • Types of MRF • Operations and Economics of MRF	Nalini Shekhar, Co-founder and Executive Director, Hasiru Dala, Bengaluru
5:00 – 6:00 PM	Laboratory and Campus Walk around in AAETI	CSE Team
7:30 – 8:30 PM	Cultural Programme and local food festival	CSE Team
DAY 2 – 2ND MAY 2023		
9:30 – 10:15 AM	Processing and Treatment of biodegradable waste • Available technologies • Quality monitoring of compost • Biogas and Bio-CNG	Zulkif Shaikh, CEO, Sanjeevani S3 Mumbai
10:15 – 11:00 AM	Sustainable Organic Waste management through Decentralisation in the sate of Kerala	Shibu Nair, Regional Organics Campaigner
Tea Break: 11:00 – 11:15 AM		
11:15 – 12:00 Noon	Integration of the Informal sector • Role of informal sector in waste recycling and resource recovery • Working model of informal sector integration in Pune	Harshad Barde, Director SWaCH Pune
12:00 – 1:00 PM	Plastic Waste Management ecosystem in Africa and India • SUP Ban – Learnings from India • EPR Policy – Learnings from India	Siddharth Singh, Programme Manager, CSE
Lunch Break: 1:00 – 2:30 PM		
2:30 – 5:30 PM	Travel to Delhi Airport for flight to Pune (**Vistara Flight UK 973, New Delhi T3**, ***Dep 20:50 hrs Arr 22:55 hrs)***	CSE Team

PROGRAMME AGENDA

Time	Agenda	Speaker / Facilitator
DAY 3 – 3RD MAY 2023		
9:00 – 11:00 AM	Waste Collection and transportation system in Pune • Door to door collection of segregated waste by the informal sector, decentralized segregation facility • Feeder point mechanism for collection of waste	Pune Municipal Corporation Officials
11:00 AM – 1:00 PM	Processing of wet waste by RWA's and bulk waste generators. • Home composting/ Biogas • Community composting • Scrap shop owned by informal sector in Pune • Material Recovery facilities (MRF) owned and operated by private contractor	Pune Municipal Corporation Officials
Lunch Break: 1:00 – 2:30 PM		
2:30 – 6:00 PM	Visit to the bio-mining operations at the dumping site in Pune Municipal Corporation	Pune Municipal Corporation Officials
DAY 4 – 4TH MAY 2023		
10.30 AM – 11:00 AM	Modular Biogas Units and Refill initiative at Pune Municipal corporation	Pune Municipal Corporation Officials
11:00 AM – 1:00 PM	Meeting with Pune Municipal Corporation Officials	Pune Municipal Corporation Officials
Lunch Break: 1:00 – 2:30 PM		
2:30 – 3:30 PM	Flight to Delhi **(Vistara Flight UK 998 Departure from Pune 16:55 hrs,** ***Arrival Delhi 19:10 hrs / Travel to AAETI*)**	CSE Team
DAY 5 – 5TH MAY 2023		
9:30 AM – 1:00 PM	Group presentations based on field visit (Tea break in between in the classroom)	CSE Team
Lunch Break: 1:00 – 2:30 PM		
2:30 – 3:30 PM	Dumpsite remediation and legacy waste management: Lessons from India • Methods of remediation • Sanitary Landfills for disposal of inerts and rejects	Dr. Richa Singh Dy. Programme Manager, CSE
Tea Break: 3:30 – 3:45 PM		
3:45 – 5:00 PM	Draft Framework for ranking of cities in Africa and Asia • Learning from Swachh Survekshan and Swachh Bharat Mission in India • Monitoring of Solid Waste Management Operations	Atin Biswas Programme Director, CSE
5:00 – 5:30 PM	• Closing Remarks • Feedback and Closing Ceremony	Dr. Sunita Narain and CSE Team

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