

**Minutes of the 53rd Meeting of State Level Task Force on Solid Waste Management
for discussion on several issues of solid waste management**

In the Chair : Director, SUDA

Meeting Date : 15th May, 2023

Meeting Venue : SUDA Conference Hall (2nd Floor)

Meeting Time : 11.30 AM

Meeting Attendees :

➤ List of Members and participants : Annexed

Director, State Urban Development Agency (SUDA) chaired the meeting.

At the outset, he welcomed all the members present and explained the discussion points of the meeting.

After threadbare discussion the following decisions were arrived at :

1. Inspector General of Police, Swami Vivekananda State Police Academy requested Principal Secretary, UD&MA Department for providing support to set up solid waste treatment plant in their campus. District Magistrate, North 24 Parganas has also **recommended to setup such plant in the interest of public health** and submitted an inspection report in this regard. The salient points of the report are as under.

- ✓ Campus residents: Permanent 15,000 heads, floating 3000 heads i.e. total 18,000 heads.
- ✓ Waste generation approximately 0.2 - 0.6 kg per person per day.
- ✓ Vacant land is available within the campus area for this project.
- ✓ A map showing the proposed site alongwith water bodies, gardens, residential/ office buildings and other particulars.
- ✓ Presently, Barrackpore Municipality collects the solid waste intermittently on request of SVSPA.

During the course of discussion with the SVSPA officials & other members present, it is learnt that earlier West Bengal Pollution Control Board had provided financial and technical support to SVSPA to set up a bio-gas plant within the campus.

The Committee noted the information and recommended the following actions:

- A joint visit will be organised within a week in presence of Dr. Arunabha Majumder, Ex. Director - Professor & Head, Sanitary Engineering Department, All India Institute of Hygiene and Public Health, Dr Tapas Kumar Gupta, Chief Technical Advisor, West Bengal Pollution Control Board, Shri Deepanjan Mukhopadhyaya, Joint Director, SUDA, Nodal Engineer of SUDA, Representative of Swami Vivekananda State Police Academy and the agency which had executed the bio-gas plant project in their campus.
- It was also proposed that for estimating the waste generation, a survey within the campus will also be carried out.
- The Committee recommended adoption of either of the following two approaches:

- SVSPA authority will take initiative to sensitize the residents and non resident entities of their campus to ensure segregation of waste at source and collecting the same in segregated manner. The authority will transport the same to the respective processing units of Barrackpore Municipality for processing. Against that a mutually agreed user fee shall be provided by SVSPA authority to Barrackpore Municipality.
- SVSPA authority will take initiative to sensitize the resident and non resident entities of their campus to ensure segregation of waste at source and process the same in segregated manner in their in-situ plants to be set up by themselves within their campus.

- DPR will be prepared for Integrated Solid Waste Management including segregation of waste at source of SVSPA campus and retrofitting the existing processing facility adopting the second option to be decided by SVSPA authority.
- The cost of preparation of DPR and implementation of the same to be borne by SVSPA authority and SUDA will provide all required technical support.

2. The Committee noted that Cluster-3 SWM project has been taken up by the State Government for Ashokenagar Kalyangarh, Habra and Gobardanga Municipality. Now, the Chairman, Gobardanga Municipality has requested to allow setting up of their standalone processing unit through SHG mode at their available own land, as the transportation cost of the waste to Ashokenagar Kalyangarh Municipality will be huge for covering 30 kms per day, which will be a huge burden on the Municipality on a regular basis.

The Committee recommended that the proposal of the Chairman, Gobardanga Municipality is justified and they may be allowed to setup their standalone processing unit through SHG mode at their available own land. As their generation of waste is 14.5 TPD, hence they may set up a 20 TPD plant. It was further recommended that ULB will do the soil testing within a week and submit the report within 27.05.2023. Thereafter that by, 10th June, 2023 they will submit the vetted drawing, design and estimate at SUDA. CAPEX to be provided by the State Government and the OPEX to be borne by the ULB from the own fund or by way of collecting user charges and sale of by-products.

3. The Committee noted that the Chairman, Katwa Municipality requested to set up their waste processing plant through agency mode at their own land which they are getting through IDT from State Government.

The Committee recommended that the proposal of Katwa Municipality may be accepted subject to setting up waste processing plant at their IDT land in cluster mode with in Dainhat Municipality.

4. The Committee noted that earlier Garulia Municipality had installed a vermi compost plant at their land which is now nonfunctional for more than 10 years. Now M/s SIMOCO, the agency awarded for setting up processing plant for Garulia Municipality, submitted a proposal for allowing them to setup vermi compost plant utilizing the existing infrastructure.

The Committee after due deliberation did not accept this proposal to setup vermi compost plant at Garulia Municipality and suggested setting up of windrow compost plant demolishing the existing structure.

5. The Hon'ble NGT vide O.A. No. 112/2022/EZ dated 31.03.2023 (regarding restoration of Dankuni Canal) directed that (i) dredging/ de-siltation of the canal has been completed, (ii) as the land has been identified and the DPR of setting up of bio-gas plant has been prepared, so final approval of the same shall be made expeditiously by the State Administration within 30.11.2023, (iii) the plant for making briquettes from cow dung be expeditiously considered by UD&MA Department and appropriate orders be passed in this regard within one month, (iv) the State Administration, Dankuni Municipality with the help of Police Authority shall remove all illegal cattle sheds from the site expeditiously in accordance with Law preferably within 30.11.2023, and (v) Dankuni Municipality shall ensure that the sewerage drainage from the cattle-sheds / do not go into the Dankuni canal and appropriate Sewerage Management Plan to be prepared for diverting the sewerage away from the Dankuni Canal and for its proper treatments at STP, as the case may be.

The matter was discussed in the meeting chaired by the Chief Secretary to Government of West Bengal on 08.05.2023, wherein it was decided that PD, SPMG shall take up the matter with the Indian Oil and other companies, if the Oil companies to set up CBC plant do not agree to take up the matter then the empaneled CBG companies may be engaged through a e-tenders.

The Committee noted the issue and recommended to go ahead accordingly.

6. The Committee noted that M/s Akansha Enterprise is continuing the bio-mining and bioremediation of legacy waste of Siliguri MC where they have cleared Zone-C, partially cleared Zone-B and Zone-A is totally untouched. It is learnt that Siliguri MC has already constructed a warehouse on the partially cleared land of Zone-B, which is hampering to setup the infrastructure for their fresh waste processing plant.

The Committee recommended to take up the matter with Siliguri MC immediately to relocate the warehouse elsewhere for the sake of setting up of their fresh waste processing plant.

The Committee further recommended that as the progress of processing of legacy waste at Zone-A is very slow and it will take a lot of time for processing of such huge quantity of legacy waste in such pace, KMDA may float tender for engaging separate agency for this purpose.

7. The Committee noted that a study has been conducted by SUDA for viable, economic, revenue generation model of waste processing through SHG mode clustering the adjacent smaller waste generating ULBs (Satellite Towns) with a mother ULB. A tripartite agreement may be signed by SUDA, Satellite ULB, other Cluster ULBs and the Operator, where CAPEX to be borne by State Government/SUDA, ULBs shall ensure collection of segregated waste at the Satellite Processing Unit and the Operator at the Mother Centre shall process the waste and provide a part of revenue to the ULBs as Royalty. No tipping fee needs to be provided to the Operator. The Operator shall manage the plant engaging the SHG members. 14 Clusters have been identified for 53 ULBs,

details placed at **Annexure-I** and made a part of the minutes. The engagement of operation should be through e-tendering/ RfP to be placed at the SLTF.

8. M/s CREATRON, an empanelled agency of Hindustan Petroleum, has given a detailed presentation before the Committee for setting up Bio-CNG Plant at Bidhannagar MC. Hindustan Petroleum has made an agreement with them for setting up 20 Bio-CNG plants at West Bengal within 2030. They have already installed a plant at Kolkata MC and are planning to set up the same at Howrah MC and Bidhannagar MC. The agency will invest for CAPEX including land, if land be provided by the ULB then the agency will pay rent. The agency will procure the segregated organic waste from ULB as raw material for the Bio-CNG plant. No Tipping fee is required from ULB. The Committee also learnt that Bidhannagar MC has identified a land of 2.5 acre for setting up of such a Bio-CNG plant. The Committee recommended that for setting up Bio-CNG plant, Bidhannagar MC shall float tender for engagement of agency from the empaneled agencies of oil companies. For this, KMDA will share the RfP document prepared for engagement of agency for setting up Bio-CNG plant at Rishra for processing cowdung of the cattle-sheds situated beside Dankuni Canal. In the similar line, Bidhannagar MC also will prepare their RfP and float the tender.

With no other issue for discussion the meeting ended with vote of tanks to and from the chair.



(Supriya Ghosal)
Director, SUDA

Annexure-I

Concept Note: Salient Features of SWM through SHGs/Hub & Spoke Model for 53 ULBs in 13 clusters

- ✓ This model shall work on a Royalty Basis wherein the cost of developing the infrastructure facility i.e. CAPEX shall be borne by State Government/SUDA.
- ✓ This model shall work on a Royalty Basis wherein the Operator shall pay a fixed royalty percentage on the sales of recovered fractions to the ULBs as well as SUDA.
- ✓ The Operator on the other hand shall bear the cost of installation of the plant and machinery as well as the entire processing of waste. The OPEX shall be borne by the Operator.
- ✓ The ULBs shall be accountable for the segregation and primary transportation of the fresh waste to their processing site whether satellite or mother of their respective jurisdiction. Pre processing to be also done by the ULBs.
- ✓ Therefore, this royalty payment will enable the ULBs to meet the cost of the SHGs as well as primary transportation of segregated waste to some extent.
- ✓ The CAPEX so invested by SUDA will be a substitute of the tipping fee which normally pays in its bio-mining of legacy waste projects. The royalty on sales so paid by the operator shall serve as a rental for the use of the facilities and infrastructure developed by SUDA, which shall continue to be under its ownership.
- ✓ The percentage of Royalty must be fixed as part of RFP.
- ✓ H1 or L1 or T1 bid shall be awarded to that bidder who has high technical expertise to handle fresh SWM similar to the agreement made with an existing agency by Kolkata MC. It will be anti-negative for SUDA or the UD & MA Department to get into an arrangement for Highest Bidder for Commission which may lead to lesser technically qualified participants getting awarded a particular cluster.
- ✓ In case of any land litigation, all legal expenses to be borne by SUDA/ULB. The Mother Center shall be free from any litigation and all CTO/CTE shall be under the name of the operator. The operator shall only be responsible for the Authorization of SWM Operator Fees levied by WBPCB.

Role of Satellite Centers under Satellite ULB:

1. Dry Waste Pre-Processing as part of Transfer Stations
2. Wet Waste Composting as part of Windrows Management and subsequent Material Maturation.

Role of ULB: Door to door collection of segregated fresh waste and primary transportation upto Satellite/ Mother Centre.

Role of Mother Centers under Operator/Bidder:

1. Dry Waste Pre-Processing by ULB & Operator and further sorting & MRF packaging unit.
2. Wet Waste Composting as part of Windrows Management for Mother Center and subsequent value addition & Packaging Unit for both Satellite & Mother Center.

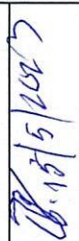
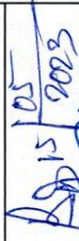
A list of proposed 53 ULBs to be clustered is as under:

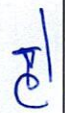
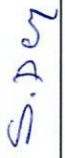
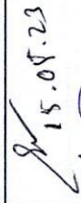
Sl. No.	ULB	District
1	Bishnupur	Bankura
2	Sonamukhi	Bankura
3	Dubrajpur	Birbhum
4	Nalhathi	Birbhum
5	Sainthia	Birbhum
6	Cooch Behar	Cooch Behar
7	Mathabhanga	Cooch Behar
8	Tufanganj	Cooch Behar
9	Dinhata	Cooch Behar
10	Mekhliganj	Cooch Behar
11	Falakata	Alipurduar
12	Dhupguri	Jalpaiguri
13	Jalpaiguri	Jalpaiguri
14	Mal	Jalpaiguri
15	Maynaguri	Jalpaiguri
16	Haldibari	Cooch Behar
17	Gangarampore	Dakshin Dinajpur
18	Buniadpur	Dakshin Dinajpur
19	Balurghat	Dakshin Dinajpur
20	Beldanga	Murshidabad
21	Jiaganj Azimganj	Murshidabad
22	Kandi	Murshidabad
23	Jangipur	Murshidabad
24	Murshidabad	Murshidabad
25	Birnagar	Nadia
26	Taherpur	Nadia
27	Coopers Camp	Nadia
28	Ranaghat	Nadia
29	Haringhata	Nadia
30	Taki	North 24 Parganas
31	Baduria	North 24 Parganas
32	Basirhat	North 24 Parganas
33	Gobardanga	North 24 Parganas
34	Kharar	Paschim Medinipore
35	Khirpai	Paschim Medinipore
36	Chandrakona	Paschim Medinipore
37	Ghatal	Paschim Medinipore
38	Ramjibanpore	Paschim Medinipore
39	Gushkara	Purba Burdwan
40	Kalna	Purba Burdwan
41	Memari	Purba Burdwan
42	Egra	Purba Medinipore
43	Tamralipta	Purba Medinipore
44	Panskura	Purba Medinipore
45	Tarakeswar	Hooghly
46	Jhalda	Purulia
47	Raghunathpur	Purulia
48	Diamond Harbour	South 24 Parganas
49	Jainagar Mazilpur	South 24 Parganas
50	Pujali	South 24 Parganas

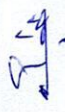
Sl. No.	ULB	District
51	Raiganj	Uttar Dinajpur
52	Dalkhola	Uttar Dinajpur
53	Kaliaganj	Uttar Dinajpur

ATTENDANCE SHEET

53rd Meeting of State Level Task Force on Solid waste management for discussion on several issues of Solid Waste Management

Date: 15.05.2023		Time: 11:30 AM Onwards		Venue: Conference Hall of SUDA, (2nd Floor)		
Sl. NO.	Participant Name	Organization	Designation	Mobile No.	e-mail ID	Signature
1	Shri Supriya Ghoshal	SUDA	Director		supriya.directorsuda@gmail.com	
2	Shri Amit Sarkar,	UD & MA Department	Financial Adviser	9830052942	fa.udma-wb@gov.in	
3	Shri Joly Chaudhuri	UD & MA Deptt & SUDA	Additional Secretary & Additional Director, SUDA	9830630742	jolychaudhuri9@gmail.com	
4	Shri Debopriyo Biswas	UD & MA Deptt & SUDA	Joint Secretary & Additional Director	8697977099	dev04jan@gmail.com	
5	Shri Arup Ratan Mukhopadhyay	UD & MA Department	Joint Secretary (Budget)	90078845076	arupratan68@gmail.com	
6	Shri Kaushik Das	Municipal Engineering Directorates	Secretary	9433058626	secretarymedte@gmail.com secretarymedte@yahoo.com	
7	Shri Amitava Das	SUDA	Deputy Director	9434563676	amitavadas209@gmail.com	
8	Dr. Arunabha Majumder	Sanitary Engineering Department, All India Institute of Hygiene and Public Health	Ex. Director - Professor & Head	9830305218	arunabhamajumder@hotmail.com	
9	Dr Tapas Kumar Gupta,	West Bengal Pollution Control Board	Chief Technical Advisor, WBPCB	9830024276	cta.wbpcb@gmail.com	
10	Shri Subhasish Chattapadhyay	Kolkata MC	Chief Municipal Engineer (SWM)	9836536419/ 6291975784	dg_swm@kmcgov.in	
11	Sri Biswajit Das	MED	Chief Engineer	6290302911	ce_medte@yahoo.com	
12	Sri Rajib Sadhu	KMDA	Chief Engineer, S & SWM, Waster & Sanitation Sector,	8443879213	sdkmda@gmail.com	
13	Dr Sukhdeb Das	UD & MA Department	Senior Law Officer	8777838130	lawcellud@gmail.com	
14	Shri Dipak Naskar,	SUDA	Superintending Engineer	9836650784	dipaknaskarju@gmail.com	

Sl. NO.	Participant Name	Organization	Designation	Mobile No.	e-mail ID	Signature
15	Asoke Nath Chatterjee, WSPS	Swami Vivekananda State Police Academy (SVSPA), Bangalore	Deputy Superintendent of Police / DBT	9432267216	svspawb@gmail.com	
16	Sudip Das, SI of WSP	DO	Sub-Inspector of WSP	9002344896	DO	
17	Pankaj Kumar	Bairat Municipality	S.I.	947524 5040	Chairman.dn@gmail.com	
18	Bijit Chatterjee	"	Nodal officer	9748556680	Bijit.pro@gmail.com	
19	Sujit Majhi	"	Commissioner	9382362495	"	
20	Subhasish Dey	Creation Technologies Pvt. Ltd.	Founder, Chairman	8017202497	Subhasish@creation.in	
21	ANIRBANTA K.	"	Tech. Ex port.	9980407700	"	
22	GOUTAM HOSE	SUDA	Finance Officer			
23	Deepayan Mukherjee	SUDA	Asst. Dir, SUDA			
24	Ramen Das	Gaduh Municipality	Chairman	9903416688		
25	Ashok Singh	"	V.C.	100397 1520	Chairman gaduh Municipality Gaduh-mal.com	
26	SUSANTA SARKAR	"	S.A.F.	98041 88879	"	
27	Abdus Salam Holte	"	S.A	9933342 553	"	
28	Smittha Chatterjee	SUDA	E.E. SUDA			
29	Chandan Dey	SUDA	Asst.			
30	Sukin Das	SUDA	BE.			
31	Susovan Mondal	Gobardanga Municipality	SAE / Nodal SMM	97336710 27	Susovan.mondal@gmail.com	

Sl. NO.	Participant Name	Organization	Designation	Mobile No.	e-mail ID	Signature
32	Sankar Dutta	Gobardanga Municipality.	Chairman, Gobardanga	—	gobardanga1870@gmail.com	
33	Akshay Satradinwale	Eastern Organic Fertilizer (P) Ltd	Director	9830596631	akshay@eopl.com	AS
34	Rajib Mocherjee	SUDA	Executive Engineer			
35	Baam Kumar Halder	SUDA	Executive Engineer	9732638231		
36	SURYA KR MISHRA	SUDA	AE.	9836123252		S. K. Mishra
37	ARGHYA GHOSH	SUDA	Jt. Director	8017303404		Anu. 15/05/2023
38	ASRAFUL ISLAM	KMDA	CE, PM & Addl CE, SD & SWM	8240515592		 15-05-23
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