

**Minutes of the 42nd 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 : 20th June, 2022

Meeting Venue : SUDA Conference Hall (2nd Floor)

Meeting Time : 12.00 Noon

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. A threadbare discussion was held regarding the agenda points and following decisions were taken:

1. The representative of GAIL (India) Ltd. informed that GAIL is currently executing the pipeline projects of Jagadishpur-HaldiaBokaro-Dhamra, the Barauni-Guwahati and the Dhamra-Haldia to connect West Bengal to the national gas grid and proposed that they may establish Comprehensive Bio-Gas Plant covering all the districts of West Bengal under CBG-CGD Synchronization Scheme: The customers spread across 09 GA's in 17 districts of West Bengal will be connected to GAIL's pipeline, through City Gas Distribution (CGD) network. They anticipated that over 40 lac households will be connected to the CGD network and over 700 CNG outlets will be set up in coming years. The processing of solid waste management will generate bio-gas and the leftover vermin-compost which will promote organic farming in the state. This Bio-gas will be sold in commercial basis and there will be a scope to earn revenue through it. Representative of GAIL has stated the example that 5 TPD SWM plant can produce 200 Kg of bio gas per day, which will generate revenue of Rs. 30 lakh annually. In this regard, he has delivered a Power Point Presentation before the Committee.

It was decided that GAIL (India) Ltd. will submit a letter to Director, SUDA expressing their willingness for PPP Model alongwith a Concept note covering physical and financial responsibility of GAIL and State Government and operational modalities, extent of technical expertise to be provided by GAIL, requirement of land etc. On that basis a decision may be taken in the next meeting of SLTF.

It was further decided that as most of the tenders for fresh waste processing have been finalized and work orders have been issued to the respective agencies and tripartite agreements have been signed, hence opinion of Financial Advisor, UD&MA Department may be requested for next course of action to engage GAIL in those areas.



2. The Chairperson, Basirhat Municipality informed the Committee that Scientific Solid Waste Management programme has already been implemented in all 23 wards of Basirhat Municipality. Collection of house to house segregated waste is being done regularly, and the process for collection of waste from commercial establishments has been initiated in phased manner. Under this project following actions have already been taken by the Municipality:

- ✓ Infrastructure for Material Recovery Facility has been set up and has already been made fully functional by engaging SHG Groups
- ✓ Necessary Compost Processing Units have already been constructed and are fully functional.
- ✓ Compost manure has already been prepared and sample has been sent for testing. Name of the compost manure has already been determined by the Board of Councillors of this Municipality (Ichhamati Jaiba Sar) and after testing the said Manure is being marketed.
- ✓ The Municipality has already started getting revenue from the sale proceeds of segregated wastes from MRF Zone, this will increase manifold with start of collection of waste from markets and marketing of Compost manure.

In this connection she has requested to allow retaining existing infrastructure and functionality of wet and dry waste processing and not engaging M/s SIMOCO for the same, and to allot the operational cost for the project so that the project can run successfully.

It was decided that, the technical team of SUDA alongwith Director and Additional Director, SUDA will visit Basirhat Municipality to understand the technical feasibility of the project. If the team feels it feasible then necessary financial support for establishment of infrastructure and O&M cost may be provided to Basirhat Municipality for end to end coverage and successful implementation of the project.

3. The Committee noted that UD & MA Department vide notification no. 50/UDMA-13014(99)/28/2022-BDG-MA dated 24.04.2022, entrusted KMDA to prepare the bid document for engagement of agency for bio-mining and bioremediation of legacy waste of Belgachia dumpsite of Howrah Municipal Corporation. It was decided that
- ✓ Instead of Combined Quality cum Cost Based System of evaluation/selection, least cost method should be adopted and payment should be output based.
 - ✓ Chief Engineer, KMDA will impose some penal clauses in the RfPs of Belgachia dumpsite of Howrah Municipal Corporation and Chandmari dumpsite of Bally Municipality and will take the approval from competent authority.
 - ✓ Chief Engineer, KMDA will float the RfP for engagement of agency for bio-mining and bioremediation of legacy waste of Chandmari dumpsite of Bally Municipality within 29.06.2022.



4. The Committee noted that all the ULBs of West Bengal have submitted Annual Reports in Form-IV of SWM Rules, 2016 and in Form-V of PWM Rules, 2016 for the Calendar Year 2021 to SUDA and recommended to submit the same to Department of Environment, Government of West Bengal for necessary compliance.
5. The Committee noted that SUDA had floated the tender for engagement of agency for Fresh Waste Processing of Englishbazar and Old Malda Municipalities in cluster and in 1st call three agencies – M/s Rohini, M/s Akanksha and M/s Eastern Organic have participated. During technical evaluation it was observed that in 75 marks, M/s Rohini got 60 marks, M/s Akanksha got 60 marks and M/s Eastern Organic got 70 marks, and they are fulfilling all the mandatory criteria. Now, the Committee entrusted the responsibility of doing evaluation of these three agencies through Power Point Presentation in Video Conference Mode for remaining 25 marks of Technical Evaluation to Prof. Arunava Majumder and Sri Dipak Naskar, and submit the same before the Committee in next meeting for decision.
6. After a threadbare discussion on municipal solid waste management at the 3 Hill Towns of Darjeeling District (Darjeeling, Mirik & Kurseong) and 1 Hill Town of Kalimpong District (Kalimpong), the Committee made the following recommendations:
 - ✓ Actual field survey of households/ markets to be covered in a day by 'Nirmal Bandhus' based on model wards upon which scale of deployment of 'Nirmal Bandhu' is to be finalized. Calculation is to be based on conventional head load carrying capacity in "**Tookri**" of 10 kg payload and refurbished, if required.
 - ✓ Scale of deployment of 'Nirmal Sathis' based on field survey is to be finalized by ULB and Micro Planning Organization jointly.
 - ✓ Identification of secondary transfer points where segregated waste are to be delivered to secondary vehicles (4 wheeler/ 4 stroke) vehicles.
 - ✓ Capacity of such vehicles are also to be ascertained based on width of roads where wastes collected by 'Nirmal Bandhus' are to be handed over from "**Tookri**". No of such vehicles are to be ascertained also based on actual survey and need.
 - ✓ From households, wet wastes are to be collected at least 6 days a week and dry at least once a week, if compartmentalized arrangement can't be made possible in "**Tookri**". However from Markets, Hotels, Restaurants, Home Stays and places of high footfall, segregated waste is to be collected daily. Scale of deployment plan may be assessed accordingly.
 - ✓ Wherever feasible, home or community composting of wet wastes are to be encouraged and models are to be developed at low cost. Prior approval from SLTF is to be taken before grounding of such module.
 - ✓ Except Darjeeling; Kalimpong, Kurseong and Mirik Municipality have reported to have identified their own land *prima facie* to process fresh waste particulars of which is required to be furnished in the following format :



- a) Location of the processing site
- b) land recorded in favour of
- c) Land in possession of
- d) Area sq m.
- e) Approach road, existing and motorable (Y/N)
- f) Boundary wall, existing (Y/N)

The 4 ULBs of Darjeeling & Kalimpong Districts may be requested to submit a sketch map immediately along with the requisite information to this end.

- ✓ Except Darjeeling; at other 3 ULBs fresh waste processing may be done through SHG mode where CAPEX support will be provided to ULBs. For OPEX, State Budget allocation will be made but Municipalities are to generate revenue by way of selling of FCO standard Compost.
- ✓ With regards to dry wastes there may be some decentralized locations where there are to be sorted mainly into sub-categories (a) plastic wastes comprises of (i)Non recyclables viz.SUP, MLP, Tetra pack, PVC (ii) recyclables viz. HDPE, LDPE, PET , (b) other dry wastes viz rags, metallic substances, leather goods, tyres, tubes, papers etc. which may have recycle value and can be sold to PCB authorized Agencies.
- ✓ Micro planners will prepare a model RfP to finalize disposal mechanism of Fresh Dry Wastes through which ULBs may as far as possible generate some revenue.
- ✓ Agencies will transport RDF / Recyclables at their own cost for proper disposal , somewhere in and around Siliguri Municipal Corporation as per SWM Rule 2016 and directions of Hon'ble NGT from time to time. For this purpose, land free of cost will be provided to them, water and electricity connections will be arranged by SMC and will also facilitate to have requisite permission from WBPCB w.r.t. Consent to Establish and Consent to Operate. Revenue earned out of sale of RDF/ Recyclables will be the earning of the Agency itself.
- ✓ Scale of manpower amongst SHG members are to be fixed up at Processing Units as per module developed by SUDA under the guidance of Facilitation Organization who will impart soft skill development (hand holding training) to those to be deployed at Processing Units.
- ✓ Immediately fresh waste processing units are to be set up so that site meant for legacy is no longer heaped up with.
- ✓ Darjeeling requires to explore some other decentralized locations in addition to their existing dump site. They may be also been advised to take assistance of District Magistrate/ Collector in identification of such land.
- ✓ As per advise from SUDA, Darjeeling Municipality may prepare an estimate of approach road for easy access to the lower reach of the existing dumping ground



where legacy waste will be treated. KMDA may be requested to invite RfP to be preceded by a pre-tender conference.

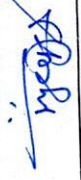
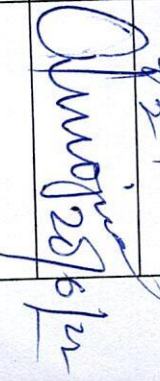
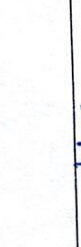
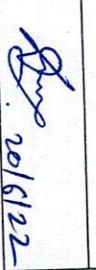
- ✓ For Kalimpong, Kurseong and Mirik Municipality, they may be advised to deployed rag pickers for manual collection of the dry waste and necessary budgetary support may be provided to them under SBM.1.0/2.0.
 - ✓ After taking approval of these suggested action plans from State Government in UD & MA Department, it may be shared with District Magistrate, Darjeeling & Kalimpong and the 4 ULBs followed by a meeting with all stakeholders for implementation of the plan.
7. The Committee noted that 500 TPD fresh waste processing plant at Dhapa needs to be extended upto 2000 TPD. For this the dry wastes i.e. plastic/inert etc. needs to be cleared from surrounding areas. The Committee recommended that:
- ✓ KMC will float a tender for disposal of those dry wastes and necessary fund may be requested from UD & MA Department
 - ✓ After clearance of the site, the plant should be extended to 2000 TPD and they will explore the in-vessel composting technology in place of windrow composting for reducing the demand of land. .
8. The Committee noted that though Kolkata MC has engaged agencies for legacy and fresh waste processing, yet some additional legacy waste are being cropped up from the present huge quantity of fresh waste regularly. The Committee recommended that the existing agency of legacy waste processing will process the additional amount of legacy waste of Dhapa. In this connection, a file may be moved from Kolkata MC to UD & MA Department.
9. The Committee noted that some committed liability still exists for solid waste management projects of Jalpaiguri Municipality and Asansol Municipal Corporation, which was approved by Government of India as per recommendation of State High Powered Committee under Mission Nirmal Bangla (Urban) in their 1st meeting held on 05.01.2017. The Committee recommended to meet up the liability from their project fund as soon as possible.
10. The Committee noted that construction of the 2nd 30 KLD Feacal Sludge Treatment Plant has already been completed. Now, the Committee recommended that KMDA will sit with the four ULBs – Dum Dum, North Dum Dum, Baranagar and New Barrackpore to work out the operational modalities of the plant.

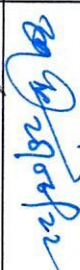
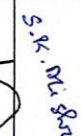
With no other issue for discussion the meeting ended with vote of tanks to and from the chair.


(Supriya Ghosal)
Director, SUDA

ATTENDANCE SHEET

42nd Meeting of State Level Task Force on Solid waste management for discussion on several issues of Solid Waste Management

Date: 20.06.2022		Time: 12.00 Noon 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	
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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	
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12	Sri Rajib Sadhu	KMDA	Chief Engineer, S & SWM, Waster & Sanitation Sector,	84438 79213	sdkmda@gmail.com	
13	Dr Sukhdeb Das	UD & MA Department	Senior Law Officer	8777838130	lawcellud@gmail.com	
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21	Deepanjali Muralidharan	KMDA	Jr. Sec			
22	GROUTAM HORE	SUDA	Finance Officer	—	—	
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29	Sutirtha Chatterjee	SUDA	EE			
30	Pratik Mukherjee	SUDA	EE			
31	Chandana Das	SUDA	AE	—	—	

Sl. No.	Participant Name	Organization	Designation	Mobile No.	e-mail ID	Signature
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