

**Minutes of the 39th Meeting of State Level Task Force on Solid waste management
for finalization of SoP for fresh waste processing through SHG mode and other
issues**

In the Chair : Director, SUDA

Meeting Date : 14th March, 2022

Meeting Venue : SUDA Conference Hall (2nd Floor)

Meeting Time : 2.30 PM

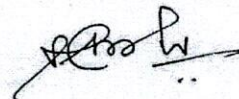
Meeting Attendees :

➤ List of Members and participants : Annexed

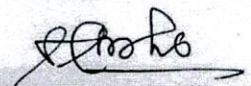
Director, State Urban Development Agency (SUDA) chaired the meeting.

At the outset, he welcomed all the members and explained the discussion points of the meeting. A threadbare discussion was held regarding the agenda points and following decisions were taken:

1. As a pilot initiative the peripheral road within the ILGUS campus may be considered to be relaid with plastic waste and this would enable the other ULBs for an exposure to construct roads using plastic waste.
2. SIMOCO Telecommunications Pvt. Ltd. shall take up the work immediately for the sites where LoA cum Work order has already been issued, keeping in purview especially at Kharagpur Municipality which is under strict observation of Hon'ble NGT. They have been asked to make a presentation before the committee within 7 days about the operational plan for the sites for fresh waste processing.
3. SIMOCO Telecommunications Pvt. Ltd. should submit the details (capacity, make, date of installation and probable date of functioning of weigh bridge) regarding the weigh bridges at different sites of their awarded ULBs. After that it will be placed before the Committee to take necessary decision.
4. SIMOCO Telecommunications Pvt. Ltd. had approached before the committee to give them a chance to present their technical knowhow about the conversion of waste plastic into alternative fuel. The Committee suggested to put up the matter before the West Bengal Pollution Control Board and to get necessary approval/permission from their end without which the project can not be run within the State.
5. The Committee has suggested KMDA to float tender for Biomining and Bioremediation of Legacy Waste at 4 Hill Towns – Darjeeling, Kurseong, Mirik and Kalimpong, keeping the clause that the actual quantity of legacy waste to be assessed/measured by the bidders themselves before quoting rates as payment will be made on the basis of actual legacy waste processed at site.

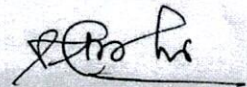


6. KMDA is very much eager to handover the fresh waste processing site of Bhatpara Municipality which may be taken over by the ULB in presence of SUDA officials at an early date may be within next week. KMDA has been requested to make a detail inventory before handing over the site.
7. It has been brought to the notice of the Committee that the agencies engaged by KMDA for biomining and bioremediation of legacy waste at different sites of the ULBs are being unable to sell the Refused Derived Fuel (RDF) fractions to the authorized users due to arrival of huge quantities of RDF from different sites all over India and users have fixed a limit of maximum 15% from each site. In this position, the Committee has suggested KMDA to explore the possibilities of selling the RDF to other agencies who may be interested other than those users already approached. The Committee further recommended to pay a visit to the cement plants located at States of Chattisgarh, Bihar, Jharkhand and Odisha to judge the actual scenario and to put up the issue before the Hon'ble NGT if the condition prevails so. In this context, the Committee further recommended to have a meeting with the officials of CPCB and WBPCB alongwith this Department to explore the possibility of several means of scientific disposal of RDF.
8. School of Environmental Studies, Jadavpur University in support of West Bengal Pollution Control Board made a presentation before the committee on the survey works conducted by them regarding Plastic Product Manufacturer, Recycler, users and collectors in all Districts of South Bengal, and the Action Plan for conducting the similar nature of study in all Districts of North Bengal. After the presentation, the Committee recommended the following:
 - The data of South Bengal needs to be reviewed for making it more realistic.
 - The rate of generation of municipal solid waste for the ULBs needs to be revisited
 - Special survey may be conducted about the quantity of use of thermocol made glass, bowl & plates and give proper suggestions about the alternatives of thermocol and other packaging materials made of plastic that may be used at different occasions especially at picnic spots.
 - In North Bengal, Siliguri MC and all District Towns i.e. Alipurduar, Darjeeling, Kalimpong, Coochbehar, Jalpaiguri, Balurghat, Raiganj and Old Maldah to be chosen for conducting thorough survey as per questionnaire set up to fix up the actual quantity of waste generations of various kinds including plastic waste, their registered & non-registered manufacturers/recyclers etc. on a realistic approach.
 - They have been requested to submit the final questionnaire to WBPCB and SUDA within 3 days for approval of the project.
9. A decision has been taken from the chair of the Chief Secretary in the 3rd meeting of State Level High Powered Committee (SHPC) dated 23.07.2021 to explore the possibilities of engaging SHG members of different ULBs having total quantity of municipal solid waste



generation per day within 30 MT. In this context, a model SoP has been drafted and placed before the Committee for approval of the project for 47 ULBs having different quantity of waste generation in the range of 30 TPD which involves an indicative CAPEX support of Rs.5 crore for construction of civil and electro-mechanical infrastructure for dry and wet waste processing plant of 30 TPD capacity. An outsourced agency may be engaged for preparing detailed design, drawing and estimates of plants of different capacities suitable for different ULBs. The area requirement for model 30 TPD plant with some drawings has been worked out and placed before the Committee. The detailed calculation of the plant area and cost involvement, necessary drawings and the draft SoP are placed at **Annexure-I** as ready reference. After detailed deliberation, the Committee recommended the following:

- A tender may be floated to engage an outsourced agency to prepare detailed design, drawing and estimates for processing plants of different capacities for different ULBs.
 - Micro Planner/Facilitation Organizations may be asked to chalk out the details for Operation & Maintenance of different capacities of processing plants taking into consideration the number of manpower required, remunerations for different types of engagement, working hours, cost involvement for tools & plants, consumables, overheads etc. required for smooth operation of the plant round the year.
 - It has also been resolved that CAPEX will be provided to the ULBs for setting up of plant and the agency will quote the rate per ton basis as tipping fee for operation and maintenance for a period of 10 years where OPEX and Revenue Earning component in the form of sale of produce (compost, recyclables, RDF etc.) will be on the part of agency.
 - The Micro Planner/Facilitation Organizations having expertise in the field of fresh waste processing may be asked to choose two ULBs (among their assigned ULBs) of their choice to prepare a detail plan inclusive of entire operation of the processing facility keeping in mind the workforce to be involved which should be mainly from male/female SHG members of respective ULBs. In this context, City Level Federation/Area Level Federation of SHGs may be involved`.
10. The Committee noted that on request of SUDA, Kolkata MC agreed transportation of 50000 MT of legacy waste from Promodhnagar site to Dhapa site for processing *mutatis mutandis* as per the contract. The Committee after due deliberation recommended to consider 58263 MT of legacy waste transported from Promodhnagar site to Dhapa site at par with the SoP issued for legacy waste processing.
11. A discussion has been ^{held} ~~made~~ regarding the fractions evolving from the post processed legacy waste at Promodhnagar dumpsite. The Committee agreed upon the different fractions of the post processed legacy waste for the quantity of 58263 ton processed



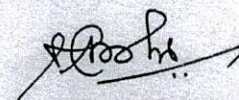
during February 2021 to August 2021 and 27400 ton processed during September 2021 to February 2022. Quantity of the processed fractions presented before the Committee is placed at **Annexure-II**.

12. It has been brought to the notice of the Committee that the fractions coming out as inert material is very less in quantity, almost 8% to 10% and is being used as cover material in the active dumpsite and also being used beneath the blacktop road surface as bearing materials, and thus does not need any Sanitary Landfill at present for disposing the inert materials. The Committee further recommended to strictly adhering with the SoP already issued by the Department on Legacy Waste Processing.

13. The matter regarding Bio mining and Bio-remediation of Legacy Waste at Belgachia Dump site within HMC has been placed before the committee. The Committee has observed the process adopted for Selection of the Bidder.

HMC has floated NIT based on QCBS Methodology and selected the H1 bidder following all the procedures as laid down in the NIT. On previous occasion the committee had recommended HMC to ask the H1 bidder to negotiate the rate offered by H1 bidder and HMC had approached the bidder but the agency was unwilling to lower down for the quoted rate. Under such circumstances, the committee further recommended to cancel the tender and invite a fresh call centrally since HMC has not been able to close the tender after multiple calls.

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


(Supriya Ghosal)
Director, SUDA

EASTERN ORGANIC FERTILIZER PRIVATE LIMITED

CIN NO. U74140WB1995PTC071435

MANUFACTURER OF ORGANIC MANURE

Tel.: 033 2456 5502 /03 E-mail: info@eofpl.com Website: www.eofpl.com

Pramodnagar/Rajibnagar Legacy Waste Mass Balance Report

February 2021 to August 2021

Month	Unit	Legacy Waste	Compost	RDF	Coarse Fractions	Inert
Feb-21	In MT	725.07	320.2	Nil	Nil	67.82
Mar-21	In MT	3294.24	1436.05	1276.48	Nil	327.79
Apr-21	In MT	4029.43	1733.5	1811.32	Nil	621.67
May-21	In MT	12432.8	5670	1401.53	1700.5	1073.79
Jun-21-Jul-21	In MT	23609.34	9170.5	2509.88	2895	1921.52
Jul-21-Aug-21	In MT	14172.2	6520	3321.75	4443	1638.94
Total	In MT	58263.08	24850.25	10320.96	9038.50	5651.52
			42.65%	17.71%	15.51%	9.70%

Total Loss (Moisture) in MT

Legacy Waste - Fractions (Compost + Good Earth + RDF + Coarse Fractions + Inert)

58263.08 - 24850.25 - 10320.96 - 9038.50 - 5651.52 = 8401.85 MT

Loss % = 14.42%

Eastern Organic Fertilizer Pvt. Ltd.

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Director



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Pramodnagar/Rajibnagar Legacy Waste Mass Balance Report September 2021 to February 2022

Month	Unit	Legacy Waste	Compost	Good Earth	RDF	Coarse Fractions	Inert
Sept - Nov 21	In MT	4394.69	956	967.12	877.26	427.04	289.45
Dec-21	In MT	5038.65	630	570.06	2093.06	609.94	385.94
Jan-22	In MT	6333.16	1048.4	813.22	1821.37	1257.21	651.27
Feb-22	In MT	11632.04	117.89	3471.53	3124.32	2214.98	1085.45
Total	In MT	27398.54	2752.29	5821.93	7916.01	4509.17	2412.12
			8574.22		7916.01	4509.17	2412.12
			31.29%		28.89%	16.46%	8.80%

Total Loss (Moisture) in MT

Legacy Waste - Fractions (Compost + Good Earth + RDF + Coarse Fractions + Inert)

$$27398.54 - 8574.16 - 7916.01 - 4509.17 - 2412.12 = 3987.08 \text{ MT}$$

$$\text{Loss \%} = 14.55\%$$

Eastern Organic Fertilizer Pvt. Ltd.

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Director



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ANNEXURE - II

Pramodnagar/Rajibnagar Legacy Waste Mass Balance Report

February 2021 to August 2021

Month	Unit	Legacy Waste	Compost	RDF	Coarse Fractions	Inert
Feb-21	In MT	725.07	320.2	Nil	Nil	67.82
Mar-21	In MT	3294.24	1436.05	1276.48	Nil	327.79
Apr-21	In MT	4029.43	1733.5	1811.32	Nil	621.67
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Jul-21-Aug-21	In MT	14172.2	6520	3320.95	4443	1638.94
Total	In MT	58263.08	24850.25	10320.16	9038.50	5651.52
			42.65%	17.71%	15.51%	9.70%

Total Loss (Moisture) in MT

Legacy Waste - Fractions (Compost + Good Earth + RDF + Coarse Fractions + Inert)

$$58263.08 - 24850.25 - 10320.16 - 9038.50 - 5651.52 = 8402.65 \text{ MT}$$

$$\text{Loss \%} = 14.42\%$$

Pramodnagar/Rajibnagar Legacy Waste Mass Balance Report
September 2021 to February 2022

Month	Unit	Legacy Waste	Compost	Good Earth	RDF	Coarse Fractions	Inert
Sept - Nov 21	In MT	4394.69	Nil	967.12	877.26	427.04	291.17
Dec-21	In MT	5038.65	1586	570	2093.06	609.94	388.23
Jan-22	In MT	6333.16	1048.4	813.22	1821.37	1257.21	655.13
Feb-22	In MT	11632.04	117.89	3471.53	3124.32	2214.98	1091.89
Total	In MT	27398.54	2752.29	5821.87	7916.01	4509.17	2426.41
			8574.16		7916.01	4509.17	2426.41
			31.29%		28.89%	16.46%	8.86%

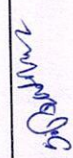
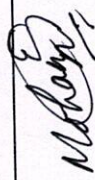
Total Loss (Moisture) in MT

Legacy Waste - Fractions (Compost + Good Earth + RDF + Coarse Fractions + Inert)

$$27398.54 - 8574.16 - 7916.01 - 4509.17 - 2426.41 = 3972.79 \text{ MT}$$

$$\text{Loss \%} = 14.50\%$$

DATE: 14.03.2022		39th MEETING OF STATE LEVEL TASK FORCE ON SOLID WASTE MANAGEMENT				TIME: 2:30 P.M.	
Sl. No.	NAME	DESIGNATION	ORGANIZATION	CONTACT NUMBER	E-MAIL	SIGNATURE	
1							
2							
3							
4							
5	S. Mandal.	ARE.	WBPCB	9830631982			
6	Prof Arimbeha Raymud	Member Task Force.		9830305218			
7	Sukhraj Chatterjee	CMB (SNG)	KMDA	6291975784			
8	Rajib Sadhu.	CE, SDSSM KMDA	KMDA	8443879213	sckmda@gmail.com.		
9	Utpal Mandal	SE/KMDA	KMDA	9831194125	seplan.kmda@goel.com		
10	R.P. Mukherjee	ACE/KMDA	KMDA	94331-10475	ram_mukherjee@rediffmail.com		
11	Kousik Das	Secretary	MED	9433058626	secretarymed@yahoo.com		
12	Biswajit Das	Chief Engineer	MED	9830654502	ce-medte@yahoo.com		

DATE: 14.03.2022		39th MEETING OF STATE LEVEL TASK FORCE ON SOLID WASTE MANAGEMENT				TIME: 2:30 P.M.	
Sl. No.	NAME	DESIGNATION	ORGANIZATION	CONTACT NUMBER	E-MAIL	SIGNATURE	
13	Tapas Saha }	ED	SIMCO	9051587064			
14							
15							
16	A note }						
17							
18	Susmita Banerjee	Project Manager member	ASJ	7029875617	hshahj@rediffmail.com		
19	PRASUN KANTI DAS	CEO	ASS	9434196143	"		
20	Amit Kumar Simal	Secretary	BITAN	8017638077	bitanoraj@gmail.com		
21	Mohan Cini	Project Manager	DeFari	9003251289	"		
22							
23							
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DATE: 14.03.2022

39th MEETING OF STATE LEVEL TASK FORCE ON SOLID WASTE MANAGEMENT

TIME: 2:30 P.M.

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