

Minutes of the meeting of the Committee of Promodnagar for discussion and presentation on the technology to be used by the bidder.

Date: 27.07.2020

Time: 11:00am onwards

Venue: Webinar from Conference Hall SUDA

Officials Present:

List of attendees annexed.

Shri. Amitava Das, Deputy Director, SUDA as Chairman of the Committee took the chair.

The meeting commenced with the webinar with a short presentation from the sole bidder on the activity wise work plan with timeline for processing of legacy and fresh waste at Promodnagar for 6 ULBs. After detailed interaction, the committee put on record the following plan of action as submitted by the bidder M/s Eastern Organic Fertilizer Pvt Ltd.

(1) There is an existing legacy waste of approximately 8.54 lakh ton at Promodnagar Site as on 31st of July, 2020.

(2) From the 6 Municipalities (Dum Dum, North Dum Dum, South Dum Dum, Baranagar, Kamarhati, New Barrackpore) 500 MT. of fresh waste is dumped at Promodnagar Site everyday.

(3) The legacy waste of 8.54 lakh MT. along with the incremental fresh waste of 3.95 lakh MT. will be added during the period 1st of August, 2020 till 31th October, 2022 i.e., over a period of 27 months. This aggregate quantity of 12.49 lakh MT. of legacy and fresh waste will be treated completely during this period.

(4) The total solid waste of 12.49 lakh MT. is to be processed first through Bio-Mining and there after by Bio-remediation. After stabilization of this total waste, proper screening will be done with 5 Trommel sections. 300 MT. to be processed per Trommel Section per day working for 12 to 16 hours a day. Total of 1500 MT. of waste to be processed every day.

(5) This would take approximately 833 days i.e., around 27 months.

(6) Composition of segregated waste :

(i) Loss of moisture by weight approximately @ 15 to 21% i.e., around 2.7 lakh MT.

(ii) Total available compost after screening @ 30 to 42% i.e., around 5.2 lakh MT.

(iii) Total segregated plastic and other related components for RDF Processing @ 10 to 17% i.e., around 2.08 lakh MT.

(iv) Balance non-decomposable inert @ 15 to 20% i.e., around 2.5 lakh MT.

(7) The compost of 5.2 lakh MT. will be sold of by the Agency entrusted with the contract for solid waste processing at Promodnagar site. The entire material will be taken out of the site.

(8) The estimated quantity of Plastics and other related components of 2.03 lakh MT. will be processed at the Refuse Derived Fuel (RDF) Processing Unit to be set up at the Site. The capacity of the processing unit is estimated at 125 TPD. Part of the plastic waste will be taken care of at the RDF Unit and the rest of it will be sent to the Recyclers of Plastics (Manufacture of Pet Bottles, Carry Bags, Cement Bags etc.)

(9) The inert of 2.5 lakh MT. will be used for filling up low land areas identified by the Department within a radius of 35 kilometers of the site as per the plan. The balance quantity of inert will be sent to the Sanitary Land Fill (SLF) to be set up as per the SWM Rules 2016. Setting up of the SLF is within the scope of agency entrusted with the contract.

(10) The SLF will be fully functional within 12 months after the site is identified by the Department within a radius of 35 kms. of Promodnagar.

(11) With effect from 1st of November, 2022 only the fresh waste of approx. 550 MT. per day from the 6 ULBs dumped at Promodnagar will be processed every day.

(12) Processing of Daily Fresh Waste for 550 TPD. :

(i) Loss of moisture by weight approximately 20 to 25% i.e., around 137.5 MT. with Bio-Remediation through Windrow Composting. Bio-Cultures will be used during the 60 days cycle to kill prevalent pathogens and bacteria for better composting through generation of excess heat within the fresh waste kept as heaps.

(ii) Total available compost after screening 30 to 35% i.e., around 190 MT. suitable for use as Good Earth or Soil Conditioner for agricultural purpose.

(iii) Total segregated plastic and other related components for RDF Processing 10 to 15% i.e., around 82.5 MT.

(iv) Balance non-decomposable inert sent to designated SLF around 140 TPD i.e., 25% of total waste.

(v) 550 MT. of fresh waste will take 60 days for stabilization and another 15 days to be fully processed (Screening, Composting, RDF, Inert Disposal to SLF).

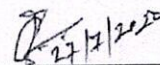
(13) Going by the process flow and the time it takes to complete different activities, at any point of time there would be approx. 50000 MT. fresh waste at the Promodnagar Site lined up for Solar Exposure and Bio-Remediation.

The Chairman of the Committee also impressed upon the other members to monitor the existing activity of carrying of legacy waste from Promodnagar to Dhapa Dumping Ground for processing. Presently 300 TPD. is being transported and processed.

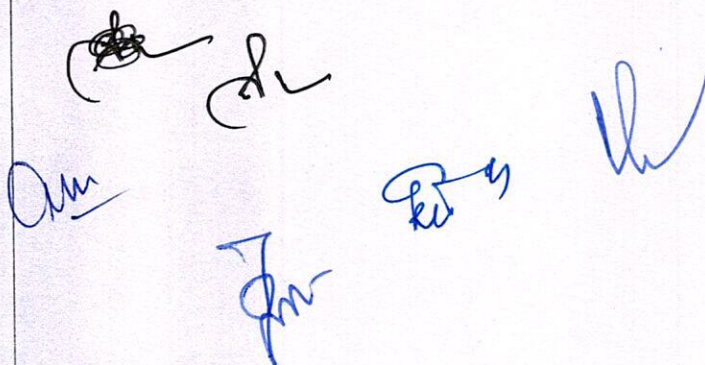
The committee was apprised of the technical qualification required for subsequent opening of financial bid. Technical evaluation were carried out by the Engineering wing of SUDA headed by Superintending Engineer. The Eastern Organic Fertilizer Pvt Ltd has scored 83 marks as against 75 which is the qualifying marks on scrutiny of documents. The details of such evaluation was presented before this committee and all members of the committee ratified it and requested the Chairman to proceed further.

Considering the urgency to immediately ground the project with the clearance of the Finance Department, the Committee recommended to continue with the existing removal of legacy waste from Promodnagar to Dhapa Dumping Ground at the scale of 300 TPD. State Level Task Force on Solid Waste Management may like to take a further call on this issue.

The meeting ended with a vote of thanks to and from the Chair.



Deputy Director, SUDA
& Chairman, Promodnagar Committee



Webinar of State Level Committee for Pro.modnagar/ Rajibnagar Cluster project on SWM

Date: 27.07.2020

Time: 11:00 am

Venue: SUDA Conference Hall

Sl No	Name of the Participant	Organization	Designation	Email ID	Contact No	Signature
1	AMITAVA DAS					<i>[Signature]</i> 27/7/20
2	Subir Das	SUDA	EE			<i>[Signature]</i> 27/7/20
3	SURYA KR MISHRA	SUDA	A.E.		9836723252	S.K. Mishra 27/7/20
4	Sudhira Chatterjee	SUDA	A.E.			<i>[Signature]</i> 27/7/20
5	Dipank Nazhar	SUDA	S.E.			<i>[Signature]</i> 27/7/20
6	Rajib Mukherjee	SUDA	AE		7830348792	<i>[Signature]</i>
7	Majumari Biswas	South Dum Dum UB	SWM Incharge			Joined through webinar
8	Subarna Dutta	Dum Dum UB	AE			Joined through webinar
9	Samar Kr Ghosh	North Dum Dum UB	EO			"
10	Debasish Saha	"	AE			"
11	Moinmayee Chinnai	South Dum Dum UB	SAB			"
12	Acheniya Kr. Hajra	Barrackpore UB	EO			"
13	Talinda Bimal Kar	New Barrackpore UB	EO			"
14	Rajib Chatterjee	"	AE			"
15	Shiraj Nandi	"	ST			"
16	Sapam Kumar Nandi	Kamarkhata	EO			"
17	Pritha Bhattacharya	"	S.T.			"
18	Tamal Dutta	"	AE			"
19	Pranaki Majumdar	Panikhat UB	AE			"

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Sl No	Name of the Participant	Organization	Designation	Email ID	Contact No	Signature
1	Debarish Chakraborty	Panipate WG	S.P.			Debarish Chakraborty
2	Thondan Babbar	"	SAF			"
3	Prasun Sarkar	"	IT			"
4	Abul Kalam Azad Islam,	Barrackpore	S.D.O			"
5	Ashray Santaninvala	Eastern Orngname				"
6	Sudhir Santaninvala	"				"
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