

Detailed breakdown of Project Cost

1. Major cost breakdown of the Project

S.NO.	Cost to Private Developer	Cost to Government
1.	Upfront Capital & Operational cost of processing plant	Capital cost for primary transportation
2.	Upfront Capital & Operational cost for Sanitary Landfill	Cost of reclamation of existing dumpsites
3.	Upfront Capital & Operational cost for secondary transportation	Tipping fee for secondary transportation, Processing and disposal to be arrived through bidding process

2. Cost Breakdown for developer

2.1. Capital Cost of secondary collection & transportation

ULB	Total cost of DP @ 1500000	Total cost of RC @ 3600000	Total cost of bins @ 85000	Total cost
Dum Dum	3000000	7200000	5270000	15470000
Kamarhati	4500000	14400000	9010000	27910000
New Barrackpore	3000000	3600000	2210000	8810000
Barranagar	4500000	10800000	4165000	19465000
South Dum Dum	1500000	28800000	18105000	48405000
North Dum Dum	1500000	14400000	7395000	23295000
Total Cost (cr)	1.8	7.92	4.61	14.33

Vehicle costs have been taken from Government E-market place website. <https://gem.gov.in/>

DP = Dumper prices
RC = Refuse compactors



2.2 Operational Cost of secondary collection & transportation

ULB	Fuel cost (INR)	Manpower Cost (INR)	Maintenance cost (INR)
Dum Dum	60480	1020114	510000
Kamarhati	60480	1813536	945000
New Barrackpore	90720	793422	330000
Barranagar	90720	1586844	765000
South Dum Dum	233280	2266920	1515000
North Dum Dum	97200	1246806	795000
Total Cost (cr)			2.12

- Salary of Manpower have been taken from the Minimum Wages notified for skilled (driver) and semi-skilled (helper) by the Office of the Labour Commissioner, Government of West Bengal
- Maintenance cost have been assumed to be 5% of the Capital cost for vehicles

1. Minimum Rates of Wage



Government of West Bengal
Office of the Labour Commissioner, Statistics Section,
6, Church Lane, 3rd floor, Kolkata - 700 001.

No. 202 /720/Stat/2RW/46/2016/LCS/JLC

Dated: 18.06.2019

CIRCULAR

The Government of West Bengal in the Labour Department has fixed minimum rates of wages in the employment of **Automobile Engineering Repairing Workshop & Garages** in the State of West Bengal as per notification number Labr/640/(LAW)/MW/2W-32/13 Dated 29.12.2016, as published in the Kolkata Gazette Extraordinary dt. 30.12.2016.

a) Now, with reference to the said notification, the following shall be the minimum rates of wages in the said employment for the period from **1st July, 2019 to 31st December, 2019**.

Categories of Employees	Monthly Minimum Rates of Wages	
	Zone A	Zone B
Unskilled	Rs 8177.00	Rs 7176.00
Semi-Skilled	Rs 8996.00	Rs 7891.00
Skilled	Rs 9895.00	Rs 8681.00
Highly Skilled	Rs 10884.00	Rs 9551.00

(b) **Implementing areas** Zone 'A'-(i) Areas under Municipal Corporations, Municipalities, notified Areas, Authorities, Development Authorities, Thermal Power Plants Areas including Industrial Township Areas.

Zone 'B'-Rest of the West Bengal

(c) The classification of employees in the above employment is as follows:-



2.3 Cost of setting up processing plant

Plant details	Capital Cost (cr)	Contingency @ 5% (cr)	Total cost (cr)
100 TPD Biomethanation Plant at Pramodnagar	18	.9	18.9
450 TPD compost + RDF plant at Pramodnagar	29.2	1.46	30.66
180 TPD compost + RDF at Kamarhati	13.5	0.68	14.18
Total Cost			63.74

- The capital costs have been arrived on the basis on CPHEEO manual and in discussion with private developers currently operating processing plants in India

2. Capital Cost of processing plant, CPHEEO manual

Table 1.18: Indicative Criteria for Selection of Appropriate Technology or Combination of Technologies [contd.]

CRITERIA	WINDROW COMPOSTING	VERMICULTURE	BIOMETHANATION	RDF	INCINERATION	INTEGRATED SYSTEM (COMPOSTING + RDF)	SANITARY LANDFILL
FINANCIAL CRITERIA							
Indicative Capital Investment ²⁷	Typically 15-20 Cr for 500 TPD plant	1 Cr. per 20 TPD	Typically 75-80 Cr for 500 TPD plant	Typically 17-20 Cr for 500 TPD plant	Very high capital, operating and maintenance costs. 15 Cr. per MW power production	Typically 25-30 Cr for 500 TPD plant) without a mechanical Hot Air Generator (HAG) for drying. However, moisture can be reduced by bio-drying with much less cost but slightly reduced efficiency.	High
Market for product/ By-Product	Quality compost compliant with FCO 2013 has a good market. IPNM Task Force (vetted by Supreme Court, 1 Sep 2006) has recommended co-marketing of 3-4 bags of compost with 6-7 bags of inorganic fertiliser.	Good market potential in Urban and Rural areas. However it is not adequately explored for bulk marketing.	So far, there is no appropriate system for pricing biogas. The system of pricing according to kerosene equivalent puts biogas at a disadvantage. At present, there is lot of interest in conversion of biogas into automotive fuel by stripping CO ₂ . In this case, equivalent pricing with power/CNG again puts biogas at a disadvantage because of scale of economy.	Good market potential for RDF. In small cities, RDF plants only become feeders of RDF to large RDF based power plants and cement plants.	Good potential of energy generation if power purchase agreements are made reflecting true cost of production including O&M costs	Quality compost compliant with FCO 2009 has a good market. Good market potential for RDF. In small cities, RDF plants only become feeders of RDF to large RDF based power plants and cement plants.	No potential, since it is stipulated by the SWM Rules that only inert wastes are to be disposed in landfills

²⁷ Source: Solid Waste Management (SWM), Jawahar Lal Nehru National Urban Renewal Mission, Ministry of Urban Development, Government of India. <http://morth.nic.in/img/content/uploads/2012/11/SWM%20rule.pdf>



2.4 Operational Cost of Processing Plants

Description	Operational Cost 1st year (cr)
O & M for Compost + RDF plants in Pramod nagar and Kamarhati	2.63
O & M for Bio-methanation plant in Kamarhati	1.46

- *Cost of processing has been assumed to be Rs. 2500/Ton in accordance with the 34th Standing Committee report of Ministry of Chemicals and Fertilizers titled "IMPLEMENTATION OF POLICY ON PROMOTION OF CITY COMPOST".*
- *Repair & Maintenance cost have been assumed to be 5% of capex after first year of operation*
- *Inflation on O & M expenses and general inflation have been assumed to be 5% per annum*



"At present, no direct incentive/subsidy on compost is being provided to farmers. However, subsidy of Rs 1500/- per MT is provided to the marketing entities on sale of the City Compost which would be passed on to the farmers in terms of reduced MRP."

2.6 The Committee were informed during their study visit to Gangtok on 04.11.2016 that farmers of the North-East region are reluctant to use City Compost in their field as it is not cost effective vis-a-vis chemical fertilizers due to the fact that 5-6 times of city compost is required in order to get the comparable results with chemical fertilizers. In addition to this the cost is further escalated due to the increased cost of collections of garbage from the hilly and difficult areas like Gangtok.

2.7 When the Members of the Committee in its meeting held on 06.01.2017 sought to know whether farmers are ready to use compost, the CMD of RCF submitted the following during the oral evidence as under :

"... that farmers have not accepted city compost as a fertilizer. It is more of a soil conditioner one can see immediate benefits of using urea but in case of city compost, the impact on the soil would be visible only after the continuous use for 2 to 3 years. The price of urea per bag is about Rs.280 whereas, a bag of city compost is available at about Rs.200. At this price city compost will never be able to compete with fertilizers. I believe that difference of Rs.50-Rs.60 will not be able to attract the farmers to purchase it. The last two seasons due to lack of availability of urea we could sell city compost along with the urea. However, since the increase of availability of urea, the selling of city compost has become difficult. There is also the problem of storage as in case it is not sold, after some time its starts emitting foul smell."

2.8 When asked by the Committee as to whether the Department has been working out methods to reduce the price of compost to make it more attractive for the farmers to use, the officials of the Department of Fertilizers during the oral evidence in the meeting held on 06.01.2017 submitted the following to the Committee:

"that as far as pricing of city compost is concerned fertilizers companies are purchasing city compost from the city compost producer at Rs.2500 per tonn. After that bagging and transportation is done. Thereafter, company profit margin and the dealer profit margin are added and over that we shall provide subsidy of Rs.1500. If we have to reduce the price further we would bring the new scheme wherein compost producer can sell loose city compost at their plant end. If city compost is sold loose, the production cost comes to Rs.2500 and if the subsidy of Rs.1500 per tonn is also provided then the city compost shall be available at Rs.1000 to the farmers, which come to Rs.50 per bag to the farmers. In a way this will be able to make city compost attractive to the farmers."



2.5 Capital Cost for Sanitary Landfill

Calculation of land required for landfill

Year	Projected MSW (Tones/yr)	Rejects @ 20% (Tones/yr)	Density (kg/m ³)	Height assumed (m)	Area required /yr(m ²)	Unit cost (INR/m ²)	Total Cost (INR/cr)
2022	1,98,925	39,785	800	10	4973.15	2500	1.24
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
2042	2,82,875	56,575	800	10	7070.57	2500	1.76
Total cost including 5% contingency							35.07

2.6 Operational Cost for Sanitary Landfill

Description	Operational Cost 1 st year (cr)
Operational cost for disposal of inert/rejects from Pramod nagar to SLF	1.18
Operational cost for disposal of inert/rejects from Kamarhati to SLF	0.50

- Distance between plant to SLF has been assumed to be 35 km as per discussion with SUDA
- Capital Cost for SLF have been taken to be INR 2500/m² in accordance with quotes received from private developers
- O & M of SLF have been assumed to be Rs. 150/Ton of waste rejected
- General Inflation have been assumed to be 5%

The Estimated Project cost = Capital Cost to Private developer = 63.74 + 35.07 + 14.33 = 113.14 crores

3. Breakup of Capital cost to Government

3.1 Capital Cost for Primary collection & Transportation

Cluster 1 Primary Collection and Transportation Cost

Description	Quantity	Unit (INR)	Cost	Total Cost (INR Crore)
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Primary Collection			
Dum Dum			
Tricycles	21	25,000	525000.00
Light commercial vehicles with hydraulic tipping containers	50	6,17,000	30850000.00
Baranagar			
Tricycles	23	25,000	575000.00
Light commercial vehicles with hydraulic tipping containers	81	6,17,000	49977000.00
New Barrackpore			
Tricycles	4	25,000	100000.00
Light commercial vehicles with hydraulic tipping containers	29	6,17,000	17893000.00
South Dum Dum			
Tricycles	0	25,000	0.00
Light commercial vehicles with hydraulic tipping containers	131	6,17,000	80827000.00
North Dum Dum			
Tricycles	0	25,000	0.00
Light commercial vehicles with hydraulic tipping containers	90	6,17,000	55530000.00
Kamarahati			
Tricycles	127	25,000	3175000.00
Light commercial vehicles with hydraulic tipping containers	98	6,17,000	60466000.00
Total Cost			299918000.00
Total Cost in Crores			29.99

* Vehicle costs have been taken from Government E-market place website: <https://gem.gov.in/>

3.2 Cost of Reclamation of Existing Dumpsites

Description	Volume of waste (cum)	Density (kg/m³)	Weight (Tones)	Unit Cost (per Ton)	Total cost in cr
Pramodnagar	6,66,716	900	600044	750	45.00
Kamarhathi	1,46,800	900	132120	750	9.91
Total Cost					54.91



- Reclamation cost of 750 per Ton has been arrived based on CPCB guidelines for reclamation projects.

4. Cost of reclamation of legacy waste, CPCB guideline

5.0 Costs:

Operation & Maintenance Cost for Bio-remediation and Bio-mining :

Operational Expenditure of the project would depend on the size of dumpsite. The onsite bioremediation cum biomining cost ranges between Rs 400 to 700 per cubic meter, irrespective of capital cost. The case by case cost of moving screened fractions offsite will be extra and variable, depending on distance to farmers, cement plants etc.

Case Studies :

Clearing of large dumps has been effectively done since at least 1998, at over 20 documented sites and perhaps other informally undocumented ones. Sites have been effectively reused for waste disposal or for parks and sports grounds and open maidans for periodic events.

There are at most five capped dumps to date in India, all with problems. Pune capped its old waste to create an impervious base for windrow composting, but instead dumped more waste which is now a stinking hill above it. Landfill gas leakage at Malad (Mumbai) and unsuccessful gas capture at Gorai (Mumbai) and Bagalur (Bangalore) have been described above. Case studies such as capping of legacy waste at Jawaharnagar in Hyderabad reveal issues of cost over-runs. . The dump contains 12 million tons of the city's waste accumulated till 2012. Every monsoon, leachate from the legacy dump seeps into the ground and pollutes the lakes around the site.

Leachate ponds to store the liquid have been of no use as they overflow during rains. Capping normally means laying of a thick soil cover over a cover of HDPE (High Density



Total cost to Government

Cost of primary collection & Transportation + Cost of Reclamation = 29.99 + 54.91 = **84.90 crores**

Tipping Fee

Tipping fee (Secondary collection transportation, Processing and disposal of waste) have been estimated to be **1250/Ton** of waste with a 3% yearly inflation on revenue

Assumptions for calculation of Tipping fee

Description	Assumption
Capacity Utilisation for processing	85%
Project Completion Time	2 years
Waste to RDF conversion	30%
Waste to compost	15%
Recyclables	4%
Debt/Equity	70/30
Interest Rate	11.5%
Equity IRR	16%



The Transaction Advisor Ernst & Young has submitted the following three documents as per their deliverables vide e-mail date 26.07.2019(Flag-E):

1. Request for proposal for selection of developer for Bio-remediation of Legacy Waste and Setting up Processing and Disposal facility of Municipal Solid Waste for Cluster-1 ULBs i.e. of Promodnagar Cluster.(Flag-B)
2. Concession agreement.(Flag-C)
3. List of prospective bidders .(Flag-D)
4. Final Technical Feasibility Report for the assignment "Assisting the State Government for planning of scientific Solid Waste Management through cluster approach and bid process management for selection of developers and operators for cluster-1 ULBs.(Flag-A)

Placed for kind information and approval.

Sujay Mitra 26.7.19 -
(Sujay Mitra)

Chief Manager - Planning & Monitoring

Addl. SMD, SBM

May kindly be approved.

[Signature]
26.07.19.

Director

Noti above.

Draft RFP and CA may be sent to Finance Dept for necessary approval.

Self 26/7/19

[Signature]
29/VII/2019

P. Secretary
UD & MA Dept.

U.O. No. SUDA-392

Dated 28.07.19

File No. SUDA-366/2019

FA

File No. : SUDA-366/2019


File Name: SWM-Transaction Advisor. E&Y-Cluster-1

Notes above

The proposal at n.s.p.11 relates to submission of Draft RFP and Concession Agreement, prepared by the Transaction Advisor M/S Earnst & Young for selection of PPP partner for "Bio-remediation of Legacy Waste and setting-up of processing and disposal facility MSW (Cluster-1- Dum Dum, South Dum Dum, North Dum Dum, Baranagar, Kamarhati and New Barrackpore Municipalities)", to Finance Department for necessary approval. Prior to approval of the draft RFP and Concession Agreement necessary approval of the project is required.

In terms of G.O. No. 5266-F(H) dated 21.06.2012 read with G.O. No.5811-F(H) dated 06.07.2012, the Administrative Department has to place the project to be developed in PPP mode along-with pre-feasibility report to the Empowered Committee of Secretaries (ECOS) through PPP Cell of Finance Department for approval by the ECOS.

In pursuance of the above-mentioned G.O.s, the proposal may be referred to, PPP Cell of the Finance Department through Group-R of F.D. for approval of the project by the ECOS.


(Kishore Sengupta) 01/08/19.
Financial Advisor
UD & MA Department

Principal Secretary, U.D & M.A. Department

Management of Municipal Solid Waste (MSW) has become a major area of concern in the state. It is seen that almost all ULBs are unable to process MSW in the required manner in the absence of necessary technical competence and experience.

Teams from SUDA and ULBs have been sent to different cities around the country to see for themselves the model employed by them to comply with the provisions of the SWM Rules 2016. Based on their experience, it was felt that an activity of such complexity can be effectively carried out only by experienced agencies having the requisite technical capacity, experience and financial strength. In view of this, we have adopted a comprehensive plan to address the problem keeping in view the experience in other cities in India [Copy of note placed at Flag 'F'].

Accordingly, Transaction Advisors were engaged after obtaining limited bids from amongst consultants approved by the Finance Department and they have been allotted different clusters for carrying out necessary studies. Earnst & Young has come up with Technical Feasibility Report [Flag 'A'], Request for proposal Document [Flag 'B'] and Concession Agreement [Flag 'C'] for management of solid waste covering seven municipalities.

This proposal is first RfP in the series covering the Pramodnagar site for management of solid waste pertaining to the municipalities of Dumdum, North Dumdum, South Dumdum, Baranagar, Kamarhati, New Barrackpore and Panihati.

The proposal involves the selection of an agency for bio-remediation of legacy waste accumulated at Pramodnagar site and setting up processing and disposal facility at the Pramodnagar site following bio-remediation.

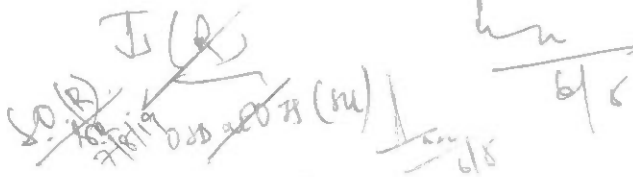
The essential components of the proposed project are :

1. Bio-remediation of legacy waste at Pramodnagar and Kamarhati sites with an estimated volume of 6.6 lakh cubic metre.
2. Setting up of compost and RDF facility at Pramodnagar with a capacity of 569 TPD and Bio-methanation plant of capacity 50 TPD.
3. A compost and RDF facility at Kamarhati for solid waste from Kamarhati and New Barrackpore Municipality with a capacity of 155 TPD.
4. Sanitary landfill facility for both plants at Pramodnagar and Panihati.

The Finance Department may approve the project in a PPP mode. Since the National Green Tribunal (NGT) is monitoring the implementation of the SWM Rules, 2016 on a regular basis and have set very strict timelines for implementation [order of NGT, Flat 'G', dated 2nd April, 2019]. It is requested that approval be provided early. In view of the very tight timelines, if Finance Department requires clarifications, the undersigned may be called for consultation.

Urban Development Deptt.
U/O No. 941
Dt. 2/11/19
ACS
Finance Deptt.


2/11/2019
Subrata Gupta
Principal Secretary, UD&MA


6/6



Workflow Based File Tracking System
Government of West Bengal
Finance - Group T

File No : SUDA-366/2019

Subject : SWM-Transaction Advisor E&Y-Cluster-1

Department : Urban Development

We may have no objection for implementing the project under proposed PPP mode. Dept may proceed with the Draft RFP, Concession Agreement and Technical Feasibility Report, subject to consideration of following points:

1. As per clause 1.4.4 Pg no 12 of RFP, Bid Security to be submitted in the form of bank draft. Performance Bank Guarantee form Annexure E may suitably be rectified.
2. In the Financial Bid, Pg 67 of RFP, bid format may state whether the rate quoted is inclusive of GST and other taxes, if any. It may be stated whether the rate quoted shall be valid for the entire period of Concession period or not.
3. In the RFP clause 1.3(3) Pg 12, it has been proposed that the formation of SPV to execute concession Agreement and implement the project on behalf of the Consortium. Whereas under clause 2.2.3 Pg 23 it has been proposed that Concession Agreement is to be signed by the Lead Member and other member as the confirming party. Both the said clauses may be aligned in line with first clause.
4. In Clause 2.2.2.2 (1) Pg 22, net worth during last 5 financial years are under consideration but under Clause 2.2.5 Pg 25 annual reports for last 3 financial years have been sought. The assessment may be based on last 5 financial year's net worth.
5. In pg 47 clause 3.1.6 Test of Responsiveness, Appendix B (General Information) Income tax clearance certificate for last 3 years and GST Registration Certificate to be included.
6. Appendix - IV Pg 68, may be renamed as Letter of Declaration based on the content of same.
7. In Clause 1.4.4 Pg no. 12, requires submission of a Performance Bank guarantee but under Clause-2.10.8 Pg. 31, the document has been excluded.
8. In clause 2.2.2.2 (5) Pg 22, to make Evaluation process less subjective attribute-wise marking system may be preferred.
9. The textual inconsistency may also be considered given in the annexure hereto.

UO NO : Group T/2019-2020/0470

UO Date : 20/08/2019

Sd/-
Finance Minister
19/08/2019

To,
UD & MA Deptt.

Schewelbury
21.08.19

SO (FD)

Hd. Director, SUDA


22/VIII/2019

Pl. do needful.

EE, Sni B. K. Pal

26.08.19.



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To,
Director
State Urban Development Agency,
ILGUS Bhawan, HC Block,
Sector-III, Bidhannagar
Kolkata-700106

Date: 24.12.2019

Subject: SWM- Transaction Advisor E&Y cluster-1, Clarification for the comments from Finance, Government of West Bengal

Reference File No: SUDA-366/2019

Respected Madam,

As per the above reference, we hereby submit our clarifications on the points mentioned from the finance department. Request you to review and accept the same.

Si. No	Point to be considered	EY's Comment
1 1.4.6	As per clause 1.4.4 Page number 12 of RFP, Bid Security to be submitted in the form of bank draft Performance Bank Guarantee Form Annexure E suitably be rectified	Shall be considered and Bank Guarantee Format will be rectified ✓
2	In the financial Bid, pg 67 of RFP, bid format may state whether the rate quoted is inclusive of GST and other taxes, if any. It may be stated whether rate quoted shall be valid for the entire period of concession period or not	Rate quoted shall be exclusive of GST and other applicable taxes. The rate quoted shall be valid for the next 180 days from the bid due date. Also, year on year escalation of 3% on the previous year's tipping fee has been provided.
3	In the RFP clause 1.3(3) Pg. 12, it has been proposed that the formation of SPV to execute concession Agreement and implement the project on behalf of the Consortium whereas under clause 2.23 Pg. 23 it has been proposed that Concession Agreement is to be signed by the Lead Member and other member as the confirmation party. Both the said clauses may be aligned in line with the first clause	The selected bidder shall be required to form a SPV which shall sign the concession agreement. Necessary changes shall be made in the RFP ✓
4	In clause 2.2.2.2 (1) Pg 22, net worth during last 5 financial years are under consideration but under clause 2.2.5 pg 25 annual reports for last 3 financial years have been sought. The	The assessment will be based on audited/certified financial statements of the last five years preceding the bid due date and net worth also shall be considered for the same period.

	assessment may be based on last 5 financial years' net worth	
5	In page 47 clause 3.1.6 Test of responsiveness. Appendix B (General information) income tax clearance certificate for last 3 years and GST Registration Certificate to be included	GST registration certificate shall be asked from the bidder and annual audited/certified financial statements of last five financial years will be collected.
6	Appendix IV, page 68 may be renamed as Letter of Declaration based on the content of the same	Noted and shall be modified accordingly
7	In clause 1.4.4, Page 12 requires submission of a performance Bank Guarantee but under Clause 2.10.8 Page 31, the document has been excluded	Performance Bank Guarantee is asked from the selected bidder and thereby will form part of the draft concession agreement and format for Performance Bank Guarantee will be incorporated
8	In clause 2.2.2.2(5) page 22. To make Evaluation process less subjective attribute wise marking system may be preferred	Noted and the updated evaluation criterion is attached on next page for reference
9	The textual inconsistency may also be considered given in the annexure hereto	Noted and have been incorporated in the final version

S. No.	Qualification Criteria	Max. Marks		
1.	Minimum. Average Net worth of 25% of the Estimated Project Cost ¹ during the last three (3) financial years preceding the Bid Due Date.	Maximum Marks: 30		
		Sr. No.	Minimum net worth during last 3 financial years	Total Marks
		i	Equal to or more than 25% of the Estimated Project Cost	30
2.	Experience of successful operation of Processing and disposal facility of MSW in India or abroad in last 10 years.	Maximum Marks: 30		
		S. No.	Min 1 year of successful operations in solid waste management projects and landfill operations	Total Marks
		i	One project of 60% of the total Estimated Plant Capacity ² (TPD) OR Two projects of 40% of the total Estimated Plant Capacity (TPD)	30
3.	Experience of successful Bio-remediation/reclamation operations in India in last 10 years	S. No.	Min Quantity of waste bioremediated in the past years	Total Marks
		ii	One project of Bioremediation/Reclamation of 60% of the Estimated processing capacity per day (TPD) ³ OR One project of Bioremediation/Reclamation with total quantity of waste remediated/reclaimed as 60% of the total estimated legacy waste	10
		Maximum Marks: 10		
4	Remediation plan with processing & disposal method and timeline of remediation	Maximum Marks: 10		

1. To be calculated based on the revised Estimated Plant Capacity

2. To be calculated based on the actual population of the ULBs and the decadal population growth rate

3. Total reclamation quantity per day estimated based on reclamation of the Total Legacy waste in two and half years

S. No.	Qualification Criteria	Max. Marks
	*The approach for Bio remediation shall be in accordance with the description provided in Annexure J.	
5.	<p>Approach & Methodology (to be submitted along with Technical Proposal) (It should include the project implementation plan, technology for processing plant, design of SLF and respective timelines of the project.)</p> <p>*The approach should highlight the schedule of the entire project i.e. all parallel and non- parallel activities.</p>	<p>Maximum Marks: 20 (Evaluation will be based on the quality of submission)</p>
	Total	100

Yours faithfully,



Abhaya Krishna Agarwal
Partner – Infrastructure and PPP, Government & Transaction Advisory Services
Ernst and Young LLP, India,

Email: abhaya.agarwal@in.ey.com;

Mobile: 9871 693 342

No. 1/31/2015-SBM
Government of India
Ministry of Urban Development

Nirman Bhawan, New Delhi
Dated the 27th April, 2017

To
The Pay & Accounts Officer (Sectt.)
Ministry of Urban Development
New Delhi-110011

Subject: - Release of 1st installment to Govt. of West Bengal in respect of Solid Waste Management Projects under Swachh Bharat Mission during 2017-18 - reg.

Sir,

I am directed to convey the sanction of competent authority for release of **Rs. 53,44,00,000/- (Rupees Fifty three crore and forty four lakh only)** to Govt. of West Bengal towards release of 50% of 35% VGF as 1st installment for **Solid Waste Management Project** under Swachh Bharat Mission (Urban) during 2017-18. Details are as under:-

(Rs. in Crore)

Sl. No.	Name of Projects	Project Cost	35% VGF	1 st Installment
1.	Dum Dum, North Dum Dum, South Dum Dum and Baranagar Municipalities (Phase-I)	55.73	19.51	9.755
2.	Habra and Ashoknagar-Kalyangarh Municipalities	32.32	11.31	5.655
3.	Jalpaiguri Municipality	12.88	4.51	2.255
4.	Krishnanagar Municipality	18.33	6.42	3.210
5.	Santipur Municipality	18.19	6.37	3.185
6.	Nabadwip Municipality	14.98	5.24	2.620
7.	Bhatpara Municipality	41.82	14.64	7.320
8.	Naihati Municipality	40.21	14.07	7.035
9.	Integrated Solid Waste Management of Kolkata MC	152.83	53.49	26.745
10.	Asansol Municipal Corporation	34.40	12.04	6.020
Total		421.69	147.60	73.800
Unspent balance				(-) 20.360
Net amount				53.440

- The sanction will be regulated in accordance with the provisions of GFR, 2017.
- The expenditure is debitable to Major Head **3601**-(Grants-In-Aid to State Govts.)-**06**-(Centrally Sponsored Schemes)-**101**-(Central Assistance/Share)-**22**-(Swachh Bharat Mission)-**03**-Project Fund-**35**-Grants for creation of Capital Assets under **Demand No. 97** for the year **2017-18** of the Ministry of Urban Development.
- The amount will be credited to the State Government's account to RBI as per procedure laid down by Ministry of Finance, Department of Expenditure vide O.M. No. F-II (45/76/SC) dated 22.02.1977.
- In addition to the entire Scheme being governed by the Guidelines of the Swachh Bharat Mission (SBM) which is available at www.moud.gov.in and following the same while releasing funds to the beneficiaries/ULBs, the release of funds for the **Solid Waste Management** will be restricted to and governed by the guidelines given in **paragraph 7** of the SBM guidelines.
- Entry has been made at **Sl. No. 8** of Grant-in-aid Register for the year 2017-18.
- No U.C. is pending for this project from Govt. of West Bengal.

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Government of West Bengal
Department of Urban Development & Municipal Affairs
Poura Prashasan Bhavan, DD-I, Sector- I,
Salt Lake City, Kolkata – 700 064

No.297 /MA/C-10/1G-1/2015 Pt.

Dated, Kolkata, the 5th day of April, 2017

From : Joint Secretary to the Government of West Bengal

To : The Director,
State Urban Development Agency,
ILGUS Bhavan, Block HA, Sector III, Salt Lake
Kolkata 700 106

Sub: Administrative Approval for Implementation of Integrated Solid Waste Management Project

Sir,

With reference to above, I am directed to inform you that in principal Administrative approval for the schemes as stated in Annexure – I are hereby accorded to take necessary steps for Implementation of Integrated Solid Waste Management Project in different ULBs; subject to strict observance of all relevant rules & regulations of the State Government issued time to time including e-tendering.

Necessary fund will released in due course as per availability of fund upon receipt of the copy of the e-tender notice, work order and certificate regarding e-tender/-procurement from concerned ULBs.

This letter is issued with the approval of appropriate authority of this Department

Endo. As stated

Yours faithfully,


Joint secretary to the Government of West Bengal

Enclosure of letter no. 11/MA/C-10/1G-1/2015 (Pt.)

dt. 05.04.2017

Name of the Project including ULB	U.O. No. & Date of F.D. (Gr'N')	Total Estimated Cost (Rs. In lakh)	Central Share (Rs. In lakh)	State Share (Rs. In lakh)	ULB Share (Rs. In lakh)
Integrated Solid Waste Management Project (Phase - I) within Dum Dum, North Dum Dum, South Dum Dum & Baranagar Municipality	3435 03.03.2017	5573.00	1950.66	3343.68	278.66
Integrated Solid Waste Management Project within Naihati Municipality	3395 01.03.2017	4021.00	1407.14	2412.23	201.63
Integrated Solid Waste Management Project Within Bhatpara Municipality	3472 07/03/2017	4182.0	1463.61	2509.06	209.33
Integrated Solid Waste Management Project within Santipur Municipality	3925 23.03.2017	1819.14	636.699	1019.484	90.957
Integrated Solid Waste Management Project within Jalpaiguri Municipality	3927 23.03.2017	1288.15	450.85	772.89	64.41
Integrated Solid Waste Management Project in Nabadwip Municipality	3920 23.03.2017	1498.44	524.45	899.06	74.93
Integrated Solid Waste Management Project within Krishnagar Municipality	4011 27.03.2017	1833.81	641.83	1100.29	91.69
Integrated Solid Waste Management Project in Ashokenagar-Kalyangarh & Habra Municipality	3693 16.03.2017	3232.20	1131.27	1939.32	161.61
Integrated Solid Waste Management Project within Asansol Municipal Corporation	3926 23.03.2017	3440.00	1179.00	-	-

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA- 50/2016/2695

তারিখ 14-02-17

From : Director, SUDA &
State Mission Director, MNB (U)To : The Chief Executive Officer,
Kolkata Metropolitan Development Authority**Sub: Initiating Tender Process for SWM Projects approved for KMA ULBs**

Sir,

You are aware that the State High Powered Committee under Mission Nirmal Bangla (Urban) has approved the following three Projects on Solid Waste Management for six KMA ULBs in their 1st meeting held on 5th January 2017 at Nabanna. Out of total Project Costs, Government of India share and Mandatory State Share may be seen in the table below. For remaining amount mentioned in the table, the UD & MA Department has moved the Finance Department with the request to approve the proposal of ULB share and Additional State Share.

Sl No.	Project of	Project Cost (in Rs. Crore)	Gov Share (in Rs. Crore)	State Share (in Rs. Crore)	Additional State Share (in Rs. Crore)	ULB share (in Rs. Crore)
1	Dum Dum, North Dum Dum, South Dum Dum & Baranagar (Cluster)	55.73	19.51	6.5	26.93	2.79
2	Bahatpara	41.82	14.64	4.88	20.21	2.09
3	Naihati	40.21	14.07	4.69	19.44	2.01

In anticipation of approval from Finance Department, I am directed to inform you to initiate the process of tendering for implementation of these SWM Projects involving the concerned ULBs.

Yours faithfully,



Director, SUDA &
State Mission Director, MNB (U)

Copy forwarded for kind information to:

1. Chairman, Dum Dum Municipality
2. Chairman, North Dum Dum Municipality
3. Chairman, South Dum Dum Municipality
4. Chairperson, Baranagar Municipality
5. Chairman, Bhatpara Municipality
6. Chairman, Naihati Municipality
7. Sr. PA to the Secretary, UD & MA Department, GoWB

Director, SUDA &
State Mission Director, MNB (U)

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং SUDA-366/2019/8138

তারিখ 27.12.2019

Minutes of the meeting held on 20th December, 2019 in the Conference Hall of Nagarayan Bhavan, Block -DF-8, Sector -I, Salt lake City, 6th Floor at 12:00PM.

Venue: Conference Hall, State Urban Development Department (SUDA), ILGUS Bhavan, Block -HC, Sector -III, Salt lake City, Kolkata-700064.

Participants:

1. Principal Secretary, UD&MA, GoWB
2. Director, SUDA, WB
3. Officials from SUDA
4. Chairman & officials from concern ULBs (List attached)
4. Officials from EY-LLP

The meeting aimed a presentation by E&Y, the Transaction Advisor, on the project profile of SWM cluster project-I and IV proposed to be developed covering the municipal areas of Dumdum, North Dumdum, South Dumdum, Baranagar, Kamarhati and New Barakpore under North 24 Pgs and Uttarpara-kotrang, Baidyabati, Rishra, konnagar, Sreerampur, Champdany, Bhadreswar, Dankuni under Hooghly district respectively with subsequent discussion for finalizing the project structure where decisions of concerned ULBs were required.

Following the presentation made by the consultants of E&Y and threadbare discussions on certain pros and cons of the proposed project the decisions so far taken were as follows:

- In the proposed project under PPP model, the ULBs would be responsible for primary collection of waste (both dry and wet) from households in a segregated manner and transportation to secondary collection points.
- Private developer would be responsible for maintenance of secondary collection points, transportation of waste from secondary points to processing facility, processing and disposal of waste to Sanitary Landfill Site.

দুরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

রাজ্য নগর উন্নয়ন সংস্থা

STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচ-সি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ

“ILGUS BHAVAN”, H-C Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

ক্রমিক নং

তারিখ

- Private developer would be responsible for maintenance of secondary collection points, transportation of waste from secondary points to processing facility, processing and disposal of waste to Sanitary Landfill Site.
- In all the concerned municipalities the officials along with Micro Planner and TA would finalize route and manpower planning for primary collection and transportation and would physically demarcate the secondary collection points.
- A detailed survey for finalization of secondary collection points with specific area requirement would be taken up by the private developer in consultation with the ULB & Micro Planner after award of work.
- Since there are certain liquid waste management facilities within RWMC, Baidyabati which require repair and renovation, it was decided that KMDA would prepare a detailed estimate for such renovation work and do the needful for selection of viable agency for running these facilities. If required, necessary negotiation could be made to provide access to other agency, which would be selected for providing O&M service of the digester for faecal sludge treatment facility at RWMC Baidyabati.
- A central facility for management of C & D waste needs to be considered in the scope of the private developer at the RWMC. TA would consider this subsequently.
- ULBs were advised to issue a notification enforcing segregated waste collection from household level.
- It was suggested to organise awareness training on waste segregation norms and related health hazards for conservancy workers engaged in daily collection of waste in municipalities. SUDA would provide expert organization for imparting that training on getting request from ULBs.

Meeting ended with thanks to and from the chair.

[Signature]
Director

State Urban Development Agency

দূরভাষ : ২৩৫৮ ৬৪০৩ / ৫৭৬৭, ফ্যাক্স : ২৩৫৮ ৫৮০০

Tel : 2358 6403/5767, Fax : 2358 5800, E-mail : wbsudadir@gmail.com

Account Section : 2358 6408

List of Chairman & Officials from concern ULBs, (Cluster- 1)

1.	Subodh Chakraborty	North Dum Dum Municipality	Chairman
2.	Debashis Saha	North Dum Dum Municipality	AE
3.	Saktipada Sarkar	North Dum Dum Municipality	EO
4.	Proshanta Das	North Dum Dum Municipality	In charge of SWM
5.	Manjari Biswas	Dum Dum Municipality	Nodal Officer
6.	Soumya Bhoumick	Dum Dum Municipality	Engineer CLTC Member
7.	Bidyut Mandal	Dum Dum Municipality	EO
8.	Pranab Kr Das	Dum Dum Municipality	Asst. SI
9.	Debashis Dutta	South Dum Dum Municipality	SI
10.	Ratan Gopal Das	South Dum Dum Municipality	SI
11.	Arnab Dutta	Baranagar Municipality	SI
12.	Kartick Kr Jana	Baranagar Municipality	SI
13.	Tamal Dutta	Kamarhati Municipality	AE
14.	Parthasarathi Bhattachrya	Kamarhati Municipality	SI
15.	Dhiraj Nandy	New Barrackpore Municipality	SI
16.	Rajib Chatterjee	New Barrackpore Municipality	AE

List of Chairman & Officials from concern ULBs, (Cluster- 4)

1.	Sanjit kr bandhyapadhyay	Konnagar municipality	EO
2.	Nilkamal Biswas	Rishra Municipality	EO
3.	Tapash Ghosh	Rishra Municipality	Nodal officer
4.	Pradip kr Acharya	Bhadreswar Municipality	E.O
5.	Biren Das	Bhadreswar Municipality	SA
6.	Swapan Kr Bhattachrya	Searampore Municipality	EO
7.	Anuj Banerjee	Searampore Municipality	SI
8.	Arindam Guin	Baidyabati Municipality	Chairman
9.	Krishnendu Kundu	Baidyabati Municipality	SI
10.	Gokul Ch Karmakar	Uttarpara-Kotrang Municipality	EO
11.	Anjan Banik	Uttarpara-Kotrang Municipality	Assistant Clark
12.	Anupam Biswas	Uttarpara-Kotrang Municipality	SAE
13.	Bidyut Roy	Champdany Municipality	EO
14.	Sibashis Bhattacharya	Champdany Municipality	SAE
15.	Abhishek Bhattachrya	Champdany Municipality	Urban Planner

Officials from EY-LLP.

1.	Dinesh Kundal	Ernst & Young	Vice Chairman
2.	Sambit Roy	Ernst & Young	Assistant Programmer
3.	Chaitali Mondal	Ernst & Young	Sr. Consultant

Minutes of the 6th Meeting of Task Force on SWM.

Date: 02 December, 2019

Time: 3:00 P.M

Venue: SUDA Conference Hall

List of Participants Present in the Meeting: Annexure – A

The meeting was chaired by the Director, SUDA. All the members & participants were welcomed.

A audio visual presentation regarding Draft Technical Feasibility Report for Cluster-I for the work "Scientific Solid Waste Management through Cluster Approach and Bid Process Management for Selection of Developers & Operators". has been arranged by the Transaction Advisor, Ernst & Young LLP. engaged by SUDA for development of a cluster based solid waste management project involving the whole areas of Dum Dum, Baranagar, New Barrackpore, and Kamarhati before the Technical Committee (SWM Task Force) in SUDA for their kind approval.

The soft copies of TFR had been shared with the members on e-mail. Executive Engineer (SWM) placed the hard copies before the members for discussion. The observations made by the committee are as follows.

- The per capita waste generation for Baranagar and Dum Dum Municipality should be 400gm/day instead of 350 gm/day.
- The wet waste to be collected and transported to the processing plants by the ULBs itself by their own arrangements. If needed transaction advisor may propose door to door collection of dry waste only by private player, once or twice a week.
- Mass balance of processing of legacy waste must be incorporated in the TFR and the processing units must be in accordance with CPCB guidelines.
- Analysis of the characteristics of waste should be done by the bidder at the source of generation to get a better overview of the composition of waste.

The Transaction Advisor has been advised to make necessary changes in the draft TFR and present before the technical committee within a short interval of time.

The meeting ends with thanks to all members.


Director, SUDA

Minutes of the meeting on cluster project of Promodhnagar with KMDA & Transaction Advisor

Date: 16.07.2019

Time: 01.30 pm

Venue: 5th floor Conference Hall, Nagarayan

Official Present :

- 1) Principal Secretary chaired the meeting
- 2) CEO, KMDA
- 3) Director, SUDA
- 4) Jt. Secretary (Establishment-UD)
- 5) Deputy Director, SUDA
- 6) Other officials from KMDA & SUDA

Principal Secretary initiated the discussions.

The Transaction Advisor-Ernst & Young made a powerpoint presentation on TFR they recently submitted with present situation at the Promodhnagar site and probable action plan regarding reclamation of land by the process of Bioremediation, disposal of inert waste as residue of the Bioremediation of legacy waste at the Panihati site.

After detailed discussions following decisions were taken :-

- (1) For better efficiency taking into consideration the constraints of site, it is proposed that decongestion of Promodhnagar Cluster is to be done where processing plant of Dum Dum, North Dum Dum, South Dum Dum and Baranagar Municipality will be set up at the present Promodhnagar site and Kamarhati and New Barrackpore will be clubbed together and the existing dumpsite at Kamarhati will be reclaimed and processing plant will be installed there.
- (2) Till new contract is awarded to the successful developer at Promodhnagar site the ongoing work of 50 TPD compost plant will be put to hold. Because of various constraints in obtaining environmental clearance from the competent authority SLF will not be executed at Promodhnagar site and that piece of land will be utilized for installation of machineries to treat the legacy waste. KMDA would take appropriate measures for closing of the SLF development work.

- (3) Composite RFP for legacy waste removal at Promodhnagar and Kamarhati sites as well as processing plant with a capacity of 569 TPD compost plus RDF and 50 TPD Biomethanation plant together with 155 TPD compost plus RDF at Kamarhati site is to be floated. Provision of a processing plant at Panihati should also be included.
- (4) Price for both the parameters i.e. Dumpsite reclamation fee and tipping fee are to be explored by the Transaction Advisor before going for a pre bid conference with the interested agencies in the field.
- (5) In the composite RFP, the possibility of concession period being extended from 15 to 20 years may be explored.
- (6) E&Y would submit draft RFP and Concession Agreement after getting it legally vetted at their end positively by 25th July 2019 so that the same can be sent to Finance Department by the end of July 2019.
- (7) On 1st August 2019, a meeting will be arranged in the presence of Hon'ble MIC, UD&MA Department where the Chairman of all the 6 Municipalities of Promodhnagar cluster together with the Chairman of Panihati Municipality will be requested to attend for discussion of the plan for these clusters.
- (8) A team comprising the officials of SUDA and KMDA will visit the proposed land parcel at Naihati as indicated by ADM(LR) North 24 Parganas where the possibility of setting up of SLF will be explored. On the basis of the report process towards procurement of land can be initiated.

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



Dr. Subrata Gupta
(Principal Secretary)

**Proceedings of the Meeting on
Status of on-going Solid Waste Management Projects in the state and
Roadmap for Future Programme**

Date: November 16, 2018	Time: 12:00 Noon	Venue: Conference Hall of the Principal Secretary, UD & MA Department, Govt. of West Bengal, Nagarayan, 5 th Floor, Salt Lake City, Kolkata – 700 064
List of Participants Present in the Meeting: Annexure-1		

Principal Secretary, Urban Development & Municipal Affairs Department, Government of West Bengal chaired the meeting. The discussion was held for reviewing the status of on-going Solid Waste Management Projects and determination of a definite Roadmap for setting up of technically and commercially viable projects for Urban Local Bodies with special emphasis on Cluster approach.

At the outset, the Director, SUDA, UD & MA Department explained the objective of the meeting and elaborated all the components of the on-going Projects briefly through a presentation. She stated that the major concern of the municipalities is to bear the expenditure towards manpower and fuel consumption against the equipment/vehicles already supplied or shortly to be supplied for SWM schemes. Apart from this the ULBs do not have adequate technical expertise to run the processing plants either for bio-gas generation designed by MED or for compost production designed by KMDA.

CEO, KMDA suggested that processing of solid waste at ULB level needs to be handled, preferably on cluster basis, by agencies /enterprises, following appropriate technology. The agency should be selected through a bidding process and operation and maintenance of the plant would completely be taken care of by the successful agency against bid-money to the ULB concerned.

Chief Engineer, MEDte. And Chief Engineer in charge, S&SWM, W&S Sector, KMDA, explained the status of procurement of equipment & vehicles and construction of Processing Plants in respect of on-going SWM projects in brief. KMDA engineers informed that the DPRs for Kalyani, Bansberia, Budge Budge, Halisahar & Khardah are under preparation.

Present status of Ongoing Projects regarding construction of Processing Plant & Landfill site:

SI No.	Project of the ULBs	Mode of Project	Status of construction of Processing Plant/Sanitary Landfill site
1	Dum Dum, North Dum Dum, South Dum Dum and Baranagar	Cluster	1. Compost Plant 95% completed 2. SLF 25% complete
2	Ashoknagar-Kalyangarh & Habra	Cluster	Work Order not issued
3	Bhatpara	Standalone	1. Compost Plant 55% completed 2. SLF 60% completed
4	Naihati	Standalone	Work Order for Compost Plant issued, work not started
5	Krishnanagar	Standalone	Work Order of Bio-Gas Plant issued, work just initiated
6	Nabadwip	Standalone	Work Order of Bio-Gas Plant issued, work just initiated
7	Santipur	Standalone	Retender done
8	Jalpaiguri	Standalone	Work Order of Bio-Gas Plant issued,


Sl No.	Project of the ULBs	Mode of Project	Status of construction of Processing Plant/Sanitary Landfill site
			work not started
9	Ranaghat	Standalone	Work Order issued, 5% work completed
10	Darjeeling	Standalone	Work Order issued, 70% work completed
11	Kalimpong	Standalone	No Work Order issued
12	Asansol MC (Phase-I)	Standalone	Not Applicable
13	Kolkata MC	Standalone	No tender initiated

The Principal Secretary, UD&MA Department stated that for all the ULBs, though the collection of waste is done by the concerned Municipality/Corporation, it is not being done in a structured manner. He also suggested that a Private Partner may be engaged through open selection process based on certain performance indicators and considering incentive based remuneration for collection/transportation/processing of waste. If incentive could be imposed, the agency will be interested to maximize collection of waste and produce quality compost or Bio-gas/Energy or RDF, based on which they will be paid. The projects are ideally to be designed in cluster mode, as far as practicable, using one common land for 3-4 ULBs.

After the threadbare discussion among all the representatives/Officials of UD & MA Department, KMDA, MED and SUDA it was decided that:

1. To ensure segregation of waste at source and primary collection, procurement of bins are continued to be done at the earliest after standardization of bins etc.
2. A quick exercise should be done for estimating the requirement of vehicles and equipment for the ULBs with the optimum utilization of existing vehicles & equipment and then to go for procurement of the same. The concerned ULBs are to be kept in loop.
3. With regard to on-going SWM projects no further process to be initiated towards development of compost/bio-gas plant where tender is yet to be finalized/work not started. For projects in implementation concerned agencies may stop the work till a decision is taken.
4. For effective operation & maintenance of the waste processing plant in upcoming sites prospective agencies are to be selected.
5. For engaging a Private Agency through PPP option, Transaction Advisor should be appointed from the empanelled list of Finance Department, Government of West Bengal and also from other competent agencies.
6. A meeting with Transaction Advisors, empanelled with the Finance Department, Govt. of West Bengal and with National Mission for Clean Ganga (NMCG) will be organized on 21.11.2018 for having a discussion on preparation of Request for Proposal (RfP)
7. A pre-tender conference with prospective agencies may be organized
8. An elaborate IEC plan on municipal solid waste management to be developed for circulation at ULB level.

With these the meeting ended with thanks to and from the chair.


(Dr Subrata Gupta)
Principal Secretary, UD & MA Department
Government of West Bengal

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Government of West Bengal
Department of Urban Development & Municipal Affairs
(Municipal Affairs Branch)
'Nagarayan', 6th floor,
DF - 8, Sector - I, Salt Lake City, Kolkata - 700 064.

No. 922(150)/MA/O/C-4/1M-12/2018

Dated, Kolkata, the 17th day of December, 2018.

From: The Joint Secretary to the Govt. of West Bengal

To: (1) The Chairman/ Chairperson,

----- Municipality.

(2) The Municipal Commissioner.
Kolkata Municipal Corporation.

(3) The Commissioner,

----- Municipal Corporation.

(4) The Chief Executive Officer,

----- Development Authority.

Sub: Comprehensive approach for scientific management on Solid Waste Management.

Sir/ Madam,

I am directed to state that Urban Local Bodies are constantly facing the challenge of scientific disposal of Solid Waste Management. Management of Solid Wastes in terms of the provisions of Solid Waste Management Rules 2016 as well as mandatory provisions of Urban Municipal Laws is required to be carried out by adoption of an integrated & comprehensive plan across the State with a target to cover all the Urban Areas.

A number of efforts have been made by the UD&MA Department so far to ensure that the solid waste are collected by the Municipal Bodies and disposed of scientifically by them. Under the Mission Nirmal Bangla, a lot of equipment e.g. garbage bins, compactors, hydraulic tippers and other vehicles, community bins have been provided to Municipal Bodies to assist them in systematic collection of garbage from individual holdings, their transportation and stacking before disposal.

Land has also been provided through inter departmental transfer to municipal bodies to set up dumping ground cum solid waste processing plants. In some cases these bodies have been permitted to purchase private land for setting up these facilities.

Present model of solid waste collection and disposal involves awareness generation among the population, expectation of segregation at source, door to door collection by the municipal bodies, intermediate storage of such collected waste, segregation at intermediate storage points, ultimate transportation to the disposal ground and segregation, recycling, processing (Bio-gas, RDF, compost as required) and finally scientific landfill with the residue

It is, however, a fact that most municipal bodies don't have the technical capability, financial muscle and managerial competence to handle solid waste in a scientific manner. As a result, in spite of best intentions and substantial investments, these efforts have not resulted in any significant improvement of situation. The critical gap in our efforts to manage solid waste is in the areas of technical and managerial competence.

In the light of this experience and considering the lack of efficacy of the present methodology, it is suggested that we make a departure from the model followed so far and adopt a model, described in the following sections.

Proposed plan of action:

- 1) **Identification of clusters of municipal bodies** :- Instead of each municipal body owning their own facility for processing and disposal of solid waste, which may not be technically and commercially viable, a cluster of municipal bodies will be formed with a common waste processing facility.

- 2) Since it will cover several municipal bodies and consequently a certain volume of solid waste, a waste processing agency would find it viable to run such a facility. Again arranging land for waste disposal for every municipal area is not easy, this cluster approach would be comparatively easy and also do away with requirement of land in every municipal body, which itself is a difficult proposition. However, the cluster approach would entail additional transportation of solid waste for some municipal bodies but an appropriate optimisation exercise may be done to minimise the transportation cost while maximising disposal of solid waste.
- 3) **Selection of one or more Transaction Advisors** to assist SUDA/KMDA for planning scientific solid waste disposal in the entire State. These Transaction Advisors are familiar with providing advisory services to different State Governments and would be required to provide the following services :
- I. Identification of viable clusters of municipal bodies for solid waste management.
 - II. Drafting of Request for Proposal (RFP), for selection of competent agencies for each of these clusters.
 - III. Assisting Solid Waste Management (SWM) Cell located at SUDA to manage the bid process including evaluation of bids and selection of successful agency for each cluster.
 - IV. The drafting of tripartite agreement between the municipal bodies in the clusters, the SWM Cell of the Department and the selected agency.
- 4) The construction of standalone bio-gas plant and compost plants may be put on hold till selection of agency. Since each agency has a preference for and an expertise in using certain technologies for waste segregation and disposal, the Department may not generally prescribe the technology to be used. This would ensure better participation of agencies. The agency responsible for putting in the equipment and running them may be made responsible for running the facility for 15 to 20 years depending on size of land, amount of waste etc.

Further details will be intimated in due course of time. However, it is clarified that existing system of solid waste management like segregation at source door to door collection, transportation to disposal site etc. by municipal bodies will be continued till the new plan of action come into a shape in phase wise manner.

Each municipal body may utilize the intervening time for a massive public awareness campaign and a plan for collection of solid waste from each holding, their transportation and maximising recycling.

The nodal officer from our end is the Director, SUDA who may be contacted for any clarification and assistance.

Yours faithfully,


Joint Secretary

No. 922/1/MA/O/C-4/IM-12/2018

Dated, Kolkata, the 17th day of December, 2018.

Copy forwarded for information to:-

1. Hon'ble Chairman, Regional Monitoring Committee on Solid Waste Management – Eastern Zone.
2. The Director, Mission Nirmal Bangla and Director, State Urban Development Agency, with a request to issue RFP for engagement of Transaction Advisors.
3. The Chief Environment Officer and Convenor, AQMC, Environment Department, Government of West Bengal.
4. The Addl. Director, Mission Nirmal Bangla and Addl. Director, ILGUS.


Joint Secretary



Director SUDA <sbm.wbsuda@gmail.com>

Financial & Physical status of SWM under KMDA

1 message

Kmda Sd <sdkmda@gmail.com>

Fri, Nov 29, 2019 at 4:49 PM

To: Director SUDA <sbm.wbsuda@gmail.com>

Madam,
Kindly find the attachment

regards
CE, S&SW,W&S,KMDA

4 attachments

-  **Proforma for SWM Bhatpara.xlsx**
14K
-  **Proforma for SWM Dumdum.xlsx**
14K
-  **Proforma for SWM Naihati.xlsx**
14K
-  **Receipt & Payment Details.xlsx**
19K

Machineries supplied to South Dumdum, Dumdum, North Dumdum & Baranagar for the SWM project at Pramadnagar

Sl n o	Name of the Items	Baranagar	North Dumdum	South Dumdum	Dumdum
1	House Hold Bin 10 Lit	126774	145760	195760	71338
2	Litter Bin 100 Lit	600	800	800	500
3	Community Bin 240 Lit	500	500	500	500
4	Mobile Compactor	2	2	2	2
5	Stationary Compactor	----	1	1	----
6	Pay Loader	1	2	2	1
7	Road Sweeping Machine	2	2	2	2
8	Trailer mounted 3000 Lit Capacity Cesspool emptier	3	4	2	4

SWM project at Dumdum, South Dumdum, North Dumdum & Baranagar MUNICIPALITY

Received of Fund			Upto Date Payment Made	U.C			Fund Transfer/ Amount refunded if any			Physical Progress
Sl. No.	Memo No.	Amount Rs.		Sl. No.	Memo No.	Amount Rs.				52%
1	SUDA-50/2016(pt-III)/539 Dt-3-8-2017	₹ 5,57,30,000.00	₹ 5,57,15,184.00	1	1202/KMDA/FA Dt-27-03-18	₹ 5,57,15,184.00		NIL		
2	SUDA-50/2016(pt-III)/132 Dt-20-04-2018	₹ 2,72,72,000.00	₹ 2,72,57,184.00	2	152/KMDA/SD&SWM/W-56/17 DT-4-5-18	₹ 2,72,57,184.00				
3	SUDA-50/2016(pt-III)/680 Dt-11-07-2018	₹ 10,00,00,000.00	₹ 9,86,93,272.00	3	1313/KMDA/FA Dt-12-11-18	₹ 9,87,08,088.00				
4	SUDA-50/2016(pt-III)/2019 Dt-28-02-19	₹ 5,22,13,849.00	₹ 5,15,51,923.00	4	1146/KMDA/FA Dt-29-04/19	₹ 5,03,79,326.00				
5	SUDA-50/2016(pt-III)/6849 Dt-30-09-19	₹ 2,29,93,100.00	₹ 2,48,27,623.00	5						
	TOTAL	₹ 25,82,08,949.00	₹ 25,80,45,186.00			₹ 23,20,59,782.00				

Annexure - 1
Solid Waste Management Project for:-Dumdum, South Dumdum, North Dumdum & Baranagar

Approved Project Cost.-5573.00 Lakhs

Sl No	Name of the work	Sanctioned Cost as per DPR as Approved in SIHPC	Tender Amount	Physical Progress	Upto date Payment Made	Payment yet to be done	Remarks	Financial Progress as calculated
1	Construction of windrow composting plant (50 MT Capacity)for municipal SWM project under MNB(U)/SBM(U)	₹ 7,13,24,100	₹ 7,16,50,000	99%	₹ 7,07,50,000	₹ 9,00,000	put on hold	98.7%
2	Design, Drawing & Construction of Sanitary Landfill Site of 10000 SQM under MNB(U)/SBM(U)	₹ 9,82,41,000	₹ 9,99,70,000	72%	₹ 7,19,78,400	₹ -	Tender closed	72.0%
3	Procurement of House Hold Bin (10 Litre Capacity) for South Dumdum Municipality (80000 nos)							
4	Procurement of House Hold Bin (10 Litre Capacity) for South Dumdum Municipality (70000 nos)							
5	Procurement of House Hold Bin (10 Litre Capacity) for North Dumdum Municipality (145760 nos)	₹ 4,64,05,772	₹ 3,77,03,098	100%	₹ 3,75,11,823	₹ 1,91,275		98.7%
6	Procurement of House Hold Bin (10 Litre Capacity) for Dumdum Municipality (71338 nos)							
7	Procurement of House Hold Bin (10 Litre Capacity) for Baranagar Municipality (126774 nos)							
8	Procurement of House Hold Bin (10 Litre Capacity) for South Dumdum Municipality (45760 nos)							
9	Procurement of 2700 Nos HDPE Litter Bin with lid (100 Litre Capacity)	₹ 42,12,000	₹ 25,38,000	100%	₹ -	₹ 25,38,000		0.0%
10	Supply, delivery, testing & Commissioning eight no Mobile Compactor machine for Municipality	₹ 3,44,00,000	₹ 3,02,96,432	100%	₹ 3,02,96,432	₹ -		100.0%
11	Supply, delivery, testing of stationary compactor for Municipality	₹ 2,00,00,000	₹ 88,90,000	100%	₹ 88,90,000	₹ -		100.0%
12	Supply, delivery, testing of payloader for Municipality	₹ 90,00,000	₹ 45,20,000	100%	₹ 45,20,000	₹ -		100.0%
13	Supply, delivery, testing of road sweeping machine Municipality	₹ 2,40,00,000	₹ 2,27,52,000	100%	₹ 2,27,52,000	₹ -		100.0%
14	Supply & delivery of 240 Litre Roto Moulded Plastic Waste Bins with wheel- 100 Nos for South Dumdum Municipality							
15	Supply & delivery of 240 Litre Roto Moulded Plastic Waste Bins with wheel- 100 Nos for North Dumdum Municipality	₹ 1,95,92,000	₹ 70,30,000	100%	₹ 63,41,060	₹ 6,88,940		98.7%
16	Supply & delivery of 240 Litre Roto Moulded Plastic Waste Bins with wheel- 100 Nos for Dumdum Municipality							
17	Supply & delivery of 240 Litre Roto Moulded Plastic Waste Bins with wheel- Balance 1700 nos							
18	Soil investigation for municipal SWM project of Dumdum, and Baranagar Municipality under MNB(U)/ SBM(U)	₹ 7,50,000	₹ 2,25,766	100%	₹ 2,25,766	₹ -		100.0%
19	Supply , delivery testing and success commissioning of 3000 tr trailer mounted cess pool empitre Municipality.	₹ 1,36,50,000	₹ 1,24,27,233	100%	₹ 47,79,705	₹ 76,47,528		38.5%
	TOTAL		₹ 29,80,02,529		₹ 25,80,45,186	₹ 1,19,65,743		86.6%

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure

S.No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	358.40	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
	Total Capex	420.00	50.40	470.40	

Tipping Fee¹ - Blowwaste (Rs. Per MT) 700
 Tipping Fee¹ - Recyclable waste (Rs. Per MT) 700
 Initial payment² (% of Capex) 50.00%
 Initial biowaste (MT/day) 20.00
 Initial recyclable waste (MT/day) 15.00
 Growth³ in biowaste per year (%) 5.00%
 Growth³ in recyclable waste per year (%) 5.00%
 Financing Cost⁴ (%) 9.50%
 Discount factor⁵ 10.00%

Payments

Year →	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST	₹ 235.20										
Capex annuity (1/10 of Capex)		₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52
Balance of capex carried over	235.20	211.68	188.16	164.64	141.12	117.60	94.08	70.56	47.04	23.52	0.00
Financing cost Rs. Lakh	₹ 22.34	₹ 20.11	₹ 17.88	₹ 15.64	₹ 13.41	₹ 11.17	₹ 8.94	₹ 6.70	₹ 4.47	₹ 2.23	₹ 0.00
MSW - Biowaste (MT per year)	7300.00	7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSW - Recyclable (MT per year)	5475.00	5475.00	5748.75	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)		₹ 89.43	₹ 93.90	₹ 98.59	₹ 103.52	₹ 108.70	₹ 114.13	₹ 119.84	₹ 125.83	₹ 132.12	₹ 138.73
Payment to agency (capex + tipping fee)		₹ 235	₹ 117	₹ 122	₹ 127	₹ 132	₹ 138	₹ 143	₹ 149	₹ 156	₹ 162
Discounted cashflow (Rs. Lakh)		₹ 235	₹ 97	₹ 92	₹ 87	₹ 82	₹ 78	₹ 74	₹ 70	₹ 66	₹ 63
NPV		₹ 1,045									

16 cr
18 cr

Note:

- Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
- Initial payment of capex may vary from project to project.
- Increase in waste is assumed to be compounded.
- The financing cost is for the bidder to compute depending on the mode of financing.
- The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
- The prices of LED SL and maintenance cost shall be discovered through

Subrata Gupta

1:15 PM (2 hours ago)

to me

Dear Santanu,

I have gone through the Patharghata document. It is fairly comprehensive and the points which I mentioned in my previous email are more or less covered. May be I had suggested the way it is now drafted but on a rethink, I made those observations yesterday. Since most of the issues I pointed out relate to the structure of the contract and the financial, I am not sure that Fox and Mondal would be able to contribute.

I am attaching the Patharghata RfP in track change mode. The only major point I have with regard to this project is whether we would get bidders for such large capex with payment over a long 20 year period. May be we have to convert it into a HAM model with 50% - 70% upfront payment to attract bidders. I would also suggest that the scoring matrix for the technical evaluation may be made more detailed as possible to reduce discretion to the minimum. Also should we not consider CQCBS (Combined Quality cum Cost Based Selection) for this as well as the other projects to ensure that only technically competent bidders are selected?

Regards.

Subrata

- 1) I Should we give an option for bio-methanation/windrow composting?
The capex for these options are quite different and bidders would have to go in for the cheaper option, particularly, if the concession period is short, to enable them to recover the capex.
- 2) Should we keep a concession period of 5 years? Would it not be too short particularly for 100% capex investment by bidder? In that case, the tipping fee may be steep. Participation may be limited as the risks are almost entirely with the concessionaire. But we may try.
- 3) Alternatively, we could go in for a HAM model with initial 40% - 60% capex by ULB. This may be more attractive for bidders. The tipping fees would reduce.
- 4) Could we make ULBs responsible for collection and transport to the secondary storage points and the concessionaire responsible for collection and transport from those points?
- 5) To give comfort to the concessionaires, we could provide for penalty for lack of segregation, lack of minimum quantity etc. and also for late payment.

5 - Annually based model.
25 - HAM model.

1) Originally it was there
- No either on.

Pathology -

400 MT
+ 550 MT
Biomethanation
MRF

~~100 cr.~~

Fund outgo

1 | 2 | . | . | . | . | 20
100 150

60 cr.

Biomethanation
Compost + MRF (200 MT)

1 | 2 | 3 | 4 | 5 years

Purchase of ~~Vehicles~~ Bins + Solid Waste
Transportation and handling
Equipment.

Ved

2020-21

Cash Flow for Biomining and Processing of Solid Waste (By Agency)

	2020-21	2021-22	2022-23
Biomining (of Promodhgar - 6 lakh MT + Karmarhati - 1.32 lakh MT)	32.95	21.96	
Tipping fee including (Rs 1250/MT) Secondary Point to WPF transportation			30.08
<u><u>NPV</u></u>			

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure					
S.No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	358.40	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
	Total Capex	420.00	50.40	470.40	

Tipping Fee ¹ - Biowaste (Rs. Per MT)	700
Tipping Fee ¹ - Recyclable waste (Rs. Per MT)	700
Initial payment ² (% of Capex)	50.00%
Initial biowaste (MT/day)	20.00
Initial recyclable waste (MT/day)	15.00
Growth ³ in biowaste per year (%)	5.00%
Growth ³ in recyclable waste per year (%)	5.00%
Financing Cost ⁴ (%)	9.50%
Discount factor ⁵	10.00%

Payments

Year -->	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST	₹ 235.20										
Capex annuity (1/10 of Capex)		₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52
Balance of capex carried over	235.20	211.68	188.16	164.64	141.12	117.60	94.08	70.56	47.04	23.52	0.00
Financing cost Rs. Lakh)	₹ 22.34	₹ 20.11	₹ 17.88	₹ 15.64	₹ 13.41	₹ 11.17	₹ 8.94	₹ 6.70	₹ 4.47	₹ 2.23	₹ 0.00
MSW - Biowaste (MT per year)		7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSW - Recyclable (MT per year)		5475.00	5748.75	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)		₹ 89.43	₹ 93.90	₹ 98.59	₹ 103.52	₹ 108.70	₹ 114.13	₹ 119.84	₹ 125.83	₹ 132.12	₹ 138.73
Payment to agency (capex + tipping fee)	₹ 235	₹ 113	₹ 117	₹ 122	₹ 127	₹ 132	₹ 138	₹ 143	₹ 149	₹ 156	₹ 162
Discounted cashflow (Rs. Lakh)	₹ 235	₹ 103	₹ 97	₹ 92	₹ 87	₹ 82	₹ 78	₹ 74	₹ 70	₹ 66	₹ 63
NPV	₹ 1,045										

₹ 122.89

₹ 1,595

Note:

1. Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
2. Initial payment of capex may vary from project to project.
3. Increase in waste is assumed to be compounded.
4. The financing cost is for the bidder to compute depending on the mode of financing.
5. The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
6. The prices of LED SL and maintenance cost shall be discovered through

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure					
S.No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	188.00	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
	Total Capex	420.00	50.40	300.00	

Tipping Fee ¹ - Biowaste (Rs. Per MT)	850
Tipping Fee ² - Recyclable waste (Rs. Per MT)	838
Initial payment ² (% of Capex)	50.00%
Initial biowaste (MT/day)	20.00
Initial recyclable waste (MT/day)	15.00
Growth ³ in biowaste per year (%)	5.00%
Growth ³ in recyclable waste per year (%)	5.00%
Financing Cost ⁴ (%)	9.50%
Discount factor ⁵	10.00%

Payments

Year -->	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST	₹ 150.00										
Capex annuity (1/10 of Capex)		₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00
Balance of capex carried over	150.00	135.00	120.00	105.00	90.00	75.00	60.00	45.00	30.00	15.00	0.00
Financing cost Rs. Lakh)	₹ 14.25	₹ 12.83	₹ 11.40	₹ 9.98	₹ 8.55	₹ 7.13	₹ 5.70	₹ 4.28	₹ 2.85	₹ 1.43	₹ 0.00
MSW - Biowaste (MT per year)		7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSW - Recyclable (MT per year)		5475.00	5748.75	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)		₹ 107.93	₹ 113.33	₹ 118.99	₹ 124.94	₹ 131.19	₹ 137.75	₹ 144.64	₹ 151.87	₹ 159.46	₹ 167.44
Payment to agency (capex + tipping fee)	₹ 150	₹ 123	₹ 128	₹ 134	₹ 140	₹ 146	₹ 153	₹ 160	₹ 167	₹ 174	₹ 182
Discounted cashflow (Rs. Lakh)	₹ 150	₹ 112	₹ 106	₹ 101	₹ 96	₹ 91	₹ 86	₹ 82	₹ 78	₹ 74	₹ 70
NPV		₹ 1,045									

Note:

1. Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
2. Initial payment of capex may vary from project to project.
3. Increase in waste is assumed to be compounded.
4. The financing cost is for the bidder to compute depending on the mode of financing.
5. The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
6. The prices of LED SL and maintenance cost shall be discovered through

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure					
S.No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	358.40	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
Total Capex		420.00	50.40	470.40	

Tipping Fee ¹ - Biowaste (Rs. Per MT)	1150	
Tipping Fee ¹ - Recyclable waste (Rs. Per MT)	100	625
Initial payment ² (% of Capex)	50.00%	
Initial biowaste (MT/day)	20.00	
Initial recyclable waste (MT/day)	15.00	
Growth ³ in biowaste per year (%)	5.00%	
Growth ³ in recyclable waste per year (%)	5.00%	
Financing Cost ⁴ (%)	9.50%	
Discount factor ⁵	10.00%	

Payments

Year -->	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST	₹ 235.20										
Capex annuity (1/10 of Capex)		₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52
Balance of capex carried over	235.20	211.68	188.16	164.64	141.12	117.60	94.08	70.56	47.04	23.52	0.00
Financing cost Rs. Lakh	₹ 22.34	₹ 20.11	₹ 17.88	₹ 15.64	₹ 13.41	₹ 11.17	₹ 8.94	₹ 6.70	₹ 4.47	₹ 2.23	₹ 0.00
MSW - Biowaste (MT per year)		7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSW - Recyclable (MT per year)		5475.00	5748.75	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)		₹ 89.43	₹ 93.90	₹ 98.59	₹ 103.52	₹ 108.70	₹ 114.13	₹ 119.84	₹ 125.83	₹ 132.12	₹ 138.73
Payment to agency (capex + tipping fee)	₹ 235	₹ 113	₹ 117	₹ 122	₹ 127	₹ 132	₹ 138	₹ 143	₹ 149	₹ 156	₹ 162
Discounted cashflow (Rs. Lakh)	₹ 235	₹ 103	₹ 97	₹ 92	₹ 87	₹ 82	₹ 78	₹ 74	₹ 70	₹ 66	₹ 63
NPV	₹ 1,045										

₹ 122.89

₹ 1,595

Note:

1. Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
2. Initial payment of capex may vary from project to project.
3. Increase in waste is assumed to be compounded.
4. The financing cost is for the bidder to compute depending on the mode of financing.
5. The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
6. The prices of LED SL and maintenance cost shall be discovered through

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure					
S No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	358.40	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
	Total Capex	420.00	50.40	470.40	

Tipping Fee¹ - Biowaste (Rs. Per MT) 700
 Tipping Fee² - Recyclable waste (Rs. Per MT) 700
 Initial Payment² (% of Capex) 50.00%
 Initial biowaste (MT/day) 20.00
 Initial recyclable waste (MT/day) 15.00
 Growth³ in biowaste per year (%) 5.00%
 Growth³ in recyclable waste per year (%) 5.00%
 Financing Cost⁴ (%) 9.50%
 Discount factor⁵ 10.00%

Payments

	Year -->	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST		₹ 235.20										
Capex annuity (1/10 of Capex)			₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52
Balance of capex carried over		235.20	211.68	188.16	164.64	141.12	117.60	94.08	70.56	47.04	23.52	0.00
Financing cost (Rs. Lakh)		₹ 22.34	₹ 20.11	₹ 17.88	₹ 15.64	₹ 13.41	₹ 11.17	₹ 8.94	₹ 6.70	₹ 4.47	₹ 2.23	₹ 0.00
MSSW - Biowaste (MT per year)			7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSSW - Recyclable (MT per year)				5475.00	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)				₹ 89.43	₹ 93.90	₹ 98.59	₹ 103.52	₹ 108.70	₹ 114.13	₹ 119.84	₹ 125.83	₹ 132.12
Payment to agency (capex + tipping fee)		₹ 235	₹ 113	₹ 117	₹ 122	₹ 127	₹ 132	₹ 138	₹ 143	₹ 149	₹ 156	₹ 162
Discounted cashflow (Rs. Lakh)		₹ 235	₹ 103	₹ 97	₹ 92	₹ 87	₹ 82	₹ 78	₹ 74	₹ 70	₹ 66	₹ 63
NPV												₹ 1,595

Note:

1. Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
2. Initial payment of capex may vary from project to project.
3. Increase in waste is assumed to be compounded.
4. The financing cost is for the bidder to compute depending on the mode of financing.
5. The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
6. The prices of LED SL and maintenance cost shall be discovered through

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure					
S.No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	358.40	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
	Total Capex	420.00	50.40	470.40	

Tipping Fee ¹ - Biowaste (Rs. Per MT)	1150
Tipping Fee ¹ - Recyclable waste (Rs. Per MT)	100
Initial payment ² (% of Capex)	50.00%
Initial biowaste (MT/day)	20.00
Initial recyclable waste (MT/day)	15.00
Growth ³ in biowaste per year (%)	5.00%
Growth ³ in recyclable waste per year (%)	5.00%
Financing Cost ⁴ (%)	9.50%
Discount factor ⁵	10.00%

625

Payments

	Year -->	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST		₹ 235.20										
Capex annuity (1/10 of Capex)			₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52	₹ 23.52
Balance of capex carried over		235.20	211.68	188.16	164.64	141.12	117.60	94.08	70.56	47.04	23.52	0.00
Financing cost Rs. Lakh)		₹ 22.34	₹ 20.11	₹ 17.88	₹ 15.64	₹ 13.41	₹ 11.17	₹ 8.94	₹ 6.70	₹ 4.47	₹ 2.23	₹ 0.00
MSW - Biowaste (MT per year)			7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSW - Recyclable (MT per year)			5475.00	5748.75	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)			₹ 89.43	₹ 93.90	₹ 98.59	₹ 103.52	₹ 108.70	₹ 114.13	₹ 119.84	₹ 125.83	₹ 132.12	₹ 138.73
Payment to agency (capex + tipping fee)		₹ 235	₹ 113	₹ 117	₹ 122	₹ 127	₹ 132	₹ 138	₹ 143	₹ 149	₹ 156	₹ 162
Discounted cashflow (Rs. Lakh)		₹ 235	₹ 103	₹ 97	₹ 92	₹ 87	₹ 82	₹ 78	₹ 74	₹ 70	₹ 66	₹ 63
NPV		₹ 1,045										

₹ 122.89

₹ 1,595

Note:

1. Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
2. Initial payment of capex may vary from project to project.
3. Increase in waste is assumed to be compounded.
4. The financing cost is for the bidder to compute depending on the mode of financing.
5. The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
6. The prices of LED SL and maintenance cost shall be discovered through

Project Cost of SWM with Windrow Composting Plant

A. Capital Cost of Infrastructure					
S.No.	Description of components	Unit Price (Rs. lakh) Without GST	GST @12%	Total Price (Rs.) With GST	Remarks
	Windrow Composting Plant - 20 TPD	320.00	38.40	188.00	
	MRF - 15 TPD	50.00	6.00	56.00	
	SLF - 7 TPD	50.00	6.00	56.00	
	Total Capex	420.00	50.40	300.00	

Tipping Fee ¹ - Biowaste (Rs. Per MT)	850
Tipping Fee ¹ - Recyclable waste (Rs. Per MT)	838
Initial payment ² (% of Capex)	50.00%
Initial biowaste (MT/day)	20.00
Initial recyclable waste (MT/day)	15.00
Growth ³ in biowaste per year (%)	5.00%
Growth ³ in recyclable waste per year (%)	5.00%
Financing Cost ⁴ (%)	9.50%
Discount factor ⁵	10.00%

Payments

	Year -->	1	2	3	4	5	6	7	8	9	10	11
Upfront Capex with GST		₹ 150.00										
Capex annuity (1/10 of Capex)			₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00	₹ 15.00
Balance of capex carried over		150.00	135.00	120.00	105.00	90.00	75.00	60.00	45.00	30.00	15.00	0.00
Financing cost Rs. Lakh		₹ 14.25	₹ 12.83	₹ 11.40	₹ 9.98	₹ 8.55	₹ 7.13	₹ 5.70	₹ 4.28	₹ 2.85	₹ 1.43	₹ 0.00
MSW - Biowaste (MT per year)			7300.00	7665.00	8048.25	8450.66	8873.20	9316.86	9782.70	10271.83	10785.42	11324.70
MSW - Recyclable (MT per year)			5475.00	5748.75	6036.19	6338.00	6654.90	6987.64	7337.02	7703.87	8089.07	8493.52
Tipping Fee per annum (Rs. Lakh)			₹ 107.93	₹ 113.33	₹ 118.99	₹ 124.94	₹ 131.19	₹ 137.75	₹ 144.64	₹ 151.87	₹ 159.46	₹ 167.44
Payment to agency (capex + tipping fee)		₹ 150	₹ 123	₹ 128	₹ 134	₹ 140	₹ 146	₹ 153	₹ 160	₹ 167	₹ 174	₹ 182
Discounted cashflow (Rs. Lakh)		₹ 150	₹ 112	₹ 106	₹ 101	₹ 96	₹ 91	₹ 86	₹ 82	₹ 78	₹ 74	₹ 70
NPV		₹ 1,045										

Note:

1. Tipping fee is inclusive of GST and may vary for biowaste and recyclable waste.
2. Initial payment of capex may vary from project to project.
3. Increase in waste is assumed to be compounded.
4. The financing cost is for the bidder to compute depending on the mode of financing.
5. The discount factor is assumed at the current level of bank interest/inflation for the purpose of comparison of bids.
6. The prices of LED SL and maintenance cost shall be discovered through

State Urban Development Agency

(Urban Development & Municipal Affairs Department, Govt. of West Bengal)

ILGUS Bhavan, HC - Block, Sector III, Salt Lake , Kolkata -106

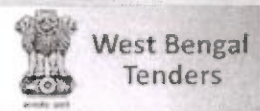
CORRIGENDUM NO 02 Dtd : 15.07.2020

NOTICE FOR INVITING E-TENDER : 366/2019 (pt-I)/ 10738 Dtd 13.06.2020

Have been made Tender ID : 2020-MAD-285205-1 Dtd 13.06.2020

Some changes ~~are done~~ in the above mentioned tender : i) Bid Evaluation Criteria ii) Bid Submission Closing (Bid Due Date). For details vide corrigendum no 02 dtd 15.07.2020, Interested Bonafide bidders are requested to visit <https://wbtenders.gov.in/>, All other terms and conditions of the NIT will remain unchanged.

Director SUDA



TENDER MANAGEMENT

- Master Management**
 - Org Hierarchy Master
 - View Internal Documents
- User Management**
 - My Organisation Hierarchy
 - Dabar User
 - My Accounts
- Tender Management**
 - Create Tender / Tender List
 - Publish Tender
 - Published Tenders
 - Seek Clarifications
 - Pre-bid Meeting
 - Downloaded Tenders
 - Bids Submitted Tenders
 - Tender Status
 - Archived Tenders
 - Archived Clarification
- Corrigendum**
 - Create Corrigendum
 - Publish Corrigendum
 - Published Corrigendum
- Bid Opening**
 - Tenders to be Opened
- Bid Evaluation**
 - Technical Evaluation

Bids Submitted For Tenders

Search

Tender ID Tender Title

Clear Search

The latest 20 tenders are displayed below. Click on search with required details for listing specific tenders.

S.No	Tender ID	Tender Title/Tender Ref No.	Bid Opening Date	No. of Valid Bids
1.	2020_MAD_285205_1	SUDA 366/2019(pt-I)/10738/SUDA 366/2019(pt-I)/10738	15-Jul-2020 03:00 PM	1
2.	2020_MAD_283260_1	SUDA-636/2020/10550/SUDA-636/2020/10550	15-Jun-2020 01:00 PM	4
3.	2020_MAD_283265_1	SUDA-636/2020/10548 /SUDA-636/2020/10548	15-Jun-2020 01:00 PM	3
4.	2020_MAD_283266_1	SUDA- 679/2020/10551/SUDA- 679/2020/10551	15-Jun-2020 01:00 PM	16
5.	2020_MAD_283261_1	SUDA-636/2020/10549/SUDA-636/2020/10549	15-Jun-2020 01:00 PM	3
6.	2020_MAD_268139_1	SUDA-229/2018(Pt-II)/8777(2nd Call) /SUDA-229/2018(Pt-II)/8777(2nd Call)	17-Feb-2020 04:00 PM	3
7.	2020_MAD_268146_1	SUDA-229/2018(Pt-II)/8776(2nd Call)/SUDA-229/2018(Pt-II)/8776(2nd Call)	17-Feb-2020 04:00 PM	3
8.	2019_MAD_258164_1	SUDA /27/2018/7811/SUDA /27/2018/7811	29-Jan-2020 03:00 PM	10
9.	2020_MAD_263717_1	SUDA-369/2019/8430/SUDA-369/2019/8430	27-Jan-2020 03:00 PM	0
10.	2020_MAD_263698_1	SUDA-368/2019/8431 /SUDA-368/2019/8431	27-Jan-2020 03:00 PM	0
11.	2019_MAD_262969_1	DMC/SUDA 229/2018 (Pt II)/8284	24-Jan-2020 12:00 PM	4
12.	2019_MAD_262852_1	SUDA-366/2019/8156/SUDA-366/2019/8156	24-Jan-2020 12:00 PM	0
13.	2019_MAD_253571_1	SUDA-428/2019/7461/SUDA-428/2019/7461	12-Dec-2019 04:00 PM	2
14.	2019_MAD_253581_1	SUDA-428/2019/7462/SUDA-428/2019/7462	12-Dec-2019 04:00 PM	3

Sl. No.	Name of the Organization	Contact Person	Designation	Contact No.	e-mail ID
1	Zigma Global Environ Solutions Private Limited			+91 82200 70046	tenders@zigma.in
2	Nashik Waste Management Pvt Ltd.	Mrs. Kayanat M	Assistant General Manager	+91 9372738232	nwmp@mailhem.com
3	IL&FS Environmental Infrastructure & Services Limited	Rohit Chauhan	Senior Manager	+91 9582599470 , +91 8448691480	rohit.chauhan@iflfsindia.com
4	Swach Environment Private Limited	Rudranarayan Kumar	Chief Manager	+91 9830616299	rudranarayan.kumar@swachenv.com
5	Centre For Development Communication Trust	Dr. Vivek Agrawal	Trustee Secretary	1412504604	c.gautam@cdcindia.org
6					

File no - SODA - 14014(17)/1/2020 - ENGG SEC(SUDA) - SUDA

Sl. No.	District	UB	Population (2011 census)	Population (2021 census)	Total waste generation per day in Tonne	Wet Waste (in TPD)	Dry Waste (in TPD)	Capital cost for Windrow Composting (in crore)	Capital cost for MF (in crore)	Total Capital cost (in crore)	Credentialed 40% (in crore)	Credentialed 30% (in crore)	Credentialed 40% (in TPD)	Credentialed 30% (in TPD)	Incentive (70% of total Capex)	Security Deposit (in lakh)	Performance Security (in lakh)	Completion time	Duration of Performance Security
1	PURBA BARDHAMAN	Bardhaman	314265	414516	166	91	75	3.65	2.98	6.63	2.65	1.99	67.00	50.00	4.64	10.00	66.32	1 year	24 months
2	N24PRG	Barrackpore	152783	203521	81	44	36	1.77	1.45	3.22	1.29	0.97	33.00	25.00	2.26	6.45	32.24	270 days	12 months
3	South 24 PDS	Baruipur	53128	70076	28	15	13	0.62	0.50	1.12	0.45	0.34	12.00	9.00	0.78	2.24	11.21	180 days	12 months
4	Murshidabad	Belanga	29205	38621	15	8	7	0.34	0.28	0.62	0.25	0.18	7.00	5.00	0.43	1.23	6.16	180 days	12 months
5	N24PRG	Bongaon	108864	143592	57	31	26	1.26	1.03	2.30	0.92	0.69	23.00	18.00	1.61	4.59	22.97	180 days	12 months
6	Hooghly	Chandernagar	166867	220998	88	48	40	1.94	1.58	3.52	1.41	1.06	36.00	27.00	2.47	7.04	35.22	270 days	12 months
7	CoochBehar	CoochBehar	77935	102796	41	23	19	0.90	0.74	1.64	0.66	0.49	17.00	13.00	1.15	3.29	16.45	180 days	12 months
8	Purba Medinipur	Egra	30148	39765	16	9	7	0.35	0.29	0.64	0.25	0.19	7.00	5.00	0.45	1.27	6.36	180 days	12 months
9	Nadia	Krishnanagar	153062	201889	81	44	36	1.78	1.45	3.23	1.29	0.97	33.00	25.00	2.26	6.46	32.30	270 days	12 months
10	N24PRG	Madhyamgram	196127	256692	103	57	47	2.28	1.86	4.14	1.66	1.24	42.00	31.00	2.90	8.28	41.39	270 days	12 months
11	Birbhum	Rampurhat	57833	76282	31	17	14	0.67	0.55	1.22	0.49	0.37	13.00	10.00	0.85	2.44	12.21	180 days	12 months

11/7/20

- 17 Masik
- 27 Zigma (Ajay Arora)
- 37 Eastern organic (Ashay Santihirala)
- 47 Rudramohan Kumar
- 57 Nazesh Prabhu

Escrow Account

7 day -

Pre Bid Meeting Minutes for selection of Concessionaire for Bio-remediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection and transportation, processing and disposal of Municipal Solid Waste for Dum Dum, South Dumdum, North Dumdum, Baranagar, Kamarhati and New Barrackpore Municipalities under Swatch Bharat Mission in West Bengal

Name of the Work: Bio-remediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection and transportation, processing and disposal of Municipal Solid Waste for Dum Dum, South Dumdum, North Dumdum, Baranagar, Kamarhati and New Barrackpore Municipalities under Swatch Bharat Mission in West Bengal

Tender Reference No.: SUDA- SUDA – 366/2019(pt-I)/10738 dated: 13.06.2020

Tender ID No.: 2020_MAD_285205_1 dated: 13.06.2020

Venue: Conference Hall- Nagarayan

Date: June 23rd, 2020

Time: 2:00 pm

Members present:

Sl. No.	Name	Designation
1.	Shri Santanu Mukherjee	Director, SUDA
2.	Shri Joly Chowdhury	Joint Secretary, UD & MA Department
3.	Shri Amitava Das	Deputy Director, SUDA
4.	Shri Sisir Kumar Baidya	Chief Engineer, Sanitation & SWM Wing, Water & Sanitation Sector, KMDA
5.	Shri Dipak Naskar	Superintending Engineer, SUDA
6.	Shri Bijoy Krishna Pal	Superintending Engineer, KMDA
7.	Shri Sutirtha Chatterjee	Assistant Engineer, SUDA
8.	Shri Surya Mishra	Superintending Engineer, SUDA

Agencies attended the Video Conference:

1. NASHIK Waste Management Pvt. Ltd.
2. Centre for Development Communication
3. Zigma Global Environ Solutions Pvt. Ltd.
4. Swach Environment Pvt. Ltd.
4. IL&FS Environmental Infrastructure & Services Ltd.
5. Eastern Organic Fertilizer Pvt. Ltd.

Director, SUDA chaired the pre bid meeting.

At the outset, Director, SUDA explained in brief the need of the project and invited all the bidders to participate in the discussion.

67

Following discussions and decisions were made in the meeting:

1. Bidders have requested to give relaxation on the following items:
 - 'Processing plant with a capacity of at least 300 TPD having combination of Compost, RDF and Biomethanation' in place of 'processing plant with a capacity of atleast 219 TPD (189 TPD Compost and RDF and 30 TPD Biomethanation)'.
 - Allowing turnover of Rs. 57 crore from any type of projects in place of turnover of Rs. 57 crore from similar services.
 - Solvency Certificate of Rs. 10 crore instead of Solvency Certificate of Rs. 57 crore.
 - Bio-mining Company may be provided an exit clause from the SPV once it has completed the work and obtaining completion certificate from the authority.
 - Minimum 7 days extension of bid submission from the bid submission last date i.e. 06.07.2020.
2. The participating probable bidders of the VC were requested to submit their queries in written within 25th June, 2020, 5.00 PM through email as mentioned in the NIT positively.
3. If the date of bid submission is extended, it will be duly intimated in website.
4. Accordingly, response Corrigendum will be communicated through e-tender portal (wbtenders.gov.in).

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



Director, SUDA

- 1) Zigma
- 2) Swachh Environment
- 3) Nasik waste management
- 4) ILFS
- 5) Organic Facility System
- 6) EO FPL
- 7) Chatali → Efy
- 8) Dinesh - "

Navik

- 1) Credential
 - 2) 57 cr turn over
 - 3) EMD Examine.
 - 4) Scope work :-
Soil innovative
 - 5) Transportation (STP)
 - 6) 10% Advance
 - 7) PFS (10%)
 - 8) ~~60~~ Bidding start - 30 days
Suggest - 3 months exclude the rainy season
- ↗ Draft Concession Agreement.
- 10) extension of last date of bid submission upto - 30th July.

Zigma

- P-41 → Payment terms.
 - P-45 → Bidding start - 30 day
Suggested - 3 months
 - P-24 → 20y.
SLF it clarify.
- After Stabilization
before "

separation of tenders
exit clause.

LLFS

P-7 Credentia
similar nature of work

P-9 marks orientation

Approach of methodology - 20 marks

local presence - 5 marks.

∞ Time Limit of scope of work very less

A Akshay Sitraliw (~~OPPL~~ ~~society~~) EOPPL)

Consensus
separate Tender

Tipping fee -

Organic

75% completion

Salvency certificate not required

Fresh waste incoming
completion time -

clause of consensus



NASHIK
WASTE MANAGEMENT

NWMPL/MKTG/2020/052

Date: 22/06/2020

To,
State Urban Development Agency
ILGUS BHAWAN', HC Block,
Sector III, Bidhannagar,
Kolkata – 700106
Email: wbsudadir@gmail.com, sbm.wbsuda@gmail.com

Sub : Pre-bid queries for for Bioremediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection and transportation, processing and disposal

Ref : Tender ref No. - Memo No. SUDA – 366/2019(pt-I)/10738, Tender ID: 2020_MAD_285205_1


Dear Sir,

We, Nashik Waste Management Pvt. Ltd. are keen to participate in the tender mentioned under the subject.

We have already executed Integrated Solid Waste Management Facility at Nashik to process **500 TPD of Municipal Solid Waste on DBFOT** basis including Composting, RDF, Sanitary Landfill, Biomining, Capping, Leachate Treatment and the project is successfully in operation **since Jan 2017**. This plant has been declared as **Model plant not only by Government of Maharashtra but also by Mission Directorate of Swachha Bharat Mission. (Govt. of India)**

Our pre-bid queries are attached herewith.

Thanking you ,
For Nashik Waste Management Pvt. Ltd.


Sameer Rege
Director

Nashik Waste Management Pvt. Ltd.

CIN No. : U74999PN2016PTC167318

Registered Office : S. No 430 , Vishrambaug Housing society, Senapati Bapat Road, Pune, Maharashtra, India, 411016

Plant Address: Nashik Mahanagarpalika, Khat Prkalp, Gavhana Phata, Pathardi Shivar, Mumbai- Agra Road, Nashik – 422010

Dial: 9373339159/ 7030990085 , Email: nwmpl@mailhem.com



Pre-bid Queries

Sr. No.	RFP Pg & Clause No.	Issue	Clarification required
1.	Pg.No. 7, 5.2	i) Intending bidders should produce credentials of a same or similar nature of completed work with Central & State Govt/PSU/ULB of the minimum value of Rs. 33.90 crore or minimum 1 number of Processing Plant with a capacity of at least 219 TPD (189 TPD Compost & RDF and 30 TPD Biomethanation) during 5(five) years prior to the date of issue of the tender notice; or	We request you to change criteria as Processing Plant with a capacity of at least 300 TPD having combination of Compost, RDF & Biomethanation" As it is difficult to have combination of these technologies having similar capacities.
2.	Pg.No. 7, 5.7	Average annual turnover of the bidder over the last three financial years (2016-17, 2017-18 and 2018- 19) should be at least Rs. 57.00 crore from similar services	You will appreciate that companies working in waste management mostly work on PPP mode and form separate company for every project. So, kindly modify criteria of Rs.57 crore from similar project and allow Turnover of Rs. 57 crore from any type of projects.
3.	Pg.No.10, 10.1	Rs.10,00,000.00 (Ten lakh only) .as an initial Earnest Money Deposit shall be paid through online mode of payment (payment link will be available in the website).	As per the Price & Purchase Preference Policy of Government of India and Ministry of Micro, Small & Medium enterprises the Micro, Small and Medium Enterprises (MSMEs) are to be provided tender sets free of cost and they are also exempt from payment of Bid/EMD money for tenders. It is therefore requested to kindly exempt the MSME's, NGO's and NSIC's from the payment of the EMD. Or Instead on Online submission please allow to EMD in the form of Bank Guarantee.
4.	Pg.24, I.A.n	Scope of work- A. For Bioremediation Process of Legacy Waste: The Concessionaire shall explore the possibility of minimizing the disposal of processing rejects and maximize the usage of such processing rejects including but not limited to	Soil like material recovered from Biomining can be used as Daily cover for Proposed landfill. Please clarify can it be stocked at Proposed Processing/disposal site.

Nashik Waste Management Pvt. Ltd.

CIN No. : U74999PN2016PTC167318

Registered Office : S. No 430 , Vishrambaug Housing society, Senapati Bapat Road, Pune, Maharashtra, India, 411016

Plant Address: Nashik Mahanagarpalika, Khat Prkalp, Gavhana Phata, Pathardi Shivar, Mumbai- Agra Road, Nashik – 422010

Dial: 9373339159/ 7030990085 , Email: nwmpl@mailhem.com



Sr. No.	RFP Pg & Clause No.	Issue	Clarification required
		making of curb side blocks, filling of low-lying areas, construction of roads etc.	
5.	Pg.28, E.	Scope of work- For secondary transportation of waste to the processing facilities	Request to provide details like distance, quantity, route map of Existing collection points to work out the transportation cost. It is preferable to do collection & transportation by the respective ULB or have separate contract for the same.
6.	Pg.40, I, 1	Payment terms: 25% After successful commissioning and acceptance given by Competent Authority	We request you to give 10% mobilization advance against Advance Bank Guarantee.
7.	Pg.40, I, 2,3	Payment terms: 10% After 24 months on completion of each year. (Security Deposit)	As Performance security is already being submitted by bidder in form of Bank guarantee, we request you not to retain payment of from O&M or biomining tipping fee for another 24 months.
8.	Pg.45, T, 6	Start processing of legacy waste- Within thirty (30) days from the date of issue of LOA cum work order	Clearing land and setting up machinery may take atleast 3 months. We request you to allow 3 month (excluding rainy season) to start the processing of legacy waste.
9.	General	<i>Needs to be share.</i>	Plz share the copy of Draft concession agreement & Detail Project Report to understand project information and terms & condition of the contract.

Nashik Waste Management Pvt. Ltd.

CIN No. : U74999PN2016PTC167318

Registered Office : S. No 430 , Vishrambaug Housing society, Senapati Bapat Road, Pune, Maharashtra, India, 411016

Plant Address: Nashik Mahanagarपालिका, Khat Prakaalp, Gavhana Phata, Pathardi Shivar, Mumbai- Agra Road, Nashik – 422010

Dial: 9373339159/ 7030990085 , Email: nwmpl@mailhem.com



ZIGMA GLOBAL ENVIRON SOLUTIONS PRIVATE LIMITED

H O : 64, First Floor, Kalaimagal Kalvi Nilayam Road, Erode - 638 001. ☎ 0424 - 2225157
✉ connect@zigma.in # www.zigma.in | CIN : U74999TZ2015PTC021251

Ref No : ZGESPL\RL\SUDA\20-21\090
Date : 25.06.2020
Place : Erode

To



The Director,
State Urban Development Authority,
Government of West Bengal
ILBUS Bhaban, HC Block,
Sector - III, Salt Lake,
Kolkatta - 700 106

Respected Sir,

SUB: List of Queries regarding for selection of Concessionaire for Bio- remediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection and transportation, processing and disposal of Municipal Solid Waste for Dum Dum, South Dumdum, North Dumdum, Baranagar, Kamarhati and New Barrackpore Municipalities under Swatch Bharat Mission in West Bengal.


REF: Memo No. SUDA - 366/2019(pt-I)/10738 dated 13.06 2020

With reference to the above subject, we put forward the following queries amidst you regarding the 'Request for Proposal' Document.

S. No	Page No	Clause/ Section	Clarifications Sought
01	41	I Payment Terms 	The successful bidder will get @ Rs.778 per ton to process the legacy waste. The cost of bio-mining highly varies with the disposal of RDF and hence it is requested that the cost may not be kept constant but expected that the bidders bid for the same.
02	45	T Pre-operational activities 	6 Start processing of legacy waste: Within 30 days from the date of issue of LOA cum Work Order. It may kindly be noted that in Kamarhatti land has to be cleared to setup plant and machinery and in both the places plant and machineries are required to setup and hence it is requested to provide atleast 90 days to start processing of legacy waste

	24	I- Scope of the Bidder	<p>m. The Concessionaire to ensure that un-usable fraction of solid waste/rejects should not exceed more than 20% of total legacy waste.</p> <p>n. The Concessionaire shall explore the possibility of minimizing the disposal of processing rejects and maximize the usage of such processing rejects including but not limited to making of curb side blocks, filling of low-lying areas, construction of roads etc. To facilitate the disposal of rejects, SUDA has identified a low-lying land area in Panihati (approximately at a distance of 12km). If opted, the Concessionaire needs to develop this low-lying area in Panihati with an impermeable liner system for disposal of rejects and perform proper compaction, so that the site can be available for future use to put in new infrastructure.</p> <p>If an impermeable liner is laid in this site, then the same will be deemed as a sanitary landfill site and as a result, it needs to be closed from the top, outlet vents for methane must be constructed and leachate collection system needs to be put in. Additionally, the site must be maintained for further 15 years. Who has to carry out these activities. kindly clarify?</p> <p>Also, an Environmental clearance needs to be obtained in such a case for the site which itself takes about six months time.</p>
04		GENERAL	<p>Kindly clarify if the bio-mining company is paid on the basis of input waste brought after stabilisation to the processing plant set up by the concessionaire for processing</p>
05		GENERAL	<p>It may kindly be requested that the Bio-mining company may be provided an exit clause from the SPV once it has completed the work and obtaining completion certificate from the Authority.</p> <p>This would ensure that it is not made liable for the defaults made by other members of the consortium at the later stage of the process.</p>
06		GENERAL	<p>It may kindly be requested that separate tender may be called for bio-mining company as the scope of the work and timelines are very short for the said work.</p> <p>In the absence it will be very difficult for the bio-mining company to get sanction from the banks as it would requires guarantees from all the members of the consortium which is not possible. Also, heavy penalties may be levied for timelines to ensure that further works might not get affected</p>



			due to any delay in bio-mining.
07		GENERAL 	Kindly clarify on the total quantity of waste that needs to be treated by the biomining company including the fresh waste which you expect the company to treat which it is processing the legacy waste.

We hope you will do the needful and oblige.

Thanking you,
Yours Sincerely,
For Zigma Global Environ Solutions Pvt Ltd,


Authorised Signatory.



CENTRE FOR DEVELOPMENT COMMUNICATION

Date: 25.06.2020

Dear Sir/Ma'am,

Reference:2020 MAD 285205 1 Bioremediation of Legacy Waste, setting up of processing facility at pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, Secondary Collection and Transportation, Processing and disposal of MSW

Subject: "Queries/ Request for Additional Information:2020 MAD 285205 1 Bioremediation of Legacy Waste, setting up of processing facility at pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, Secondary Collection and Transportation, Processing and disposal of MSW

Greetings from Centre for Development Communication Trust (CDC), Jaipur

CDC is involved in the management of Solid Waste in Urban and Rural areas through scientifically designed and effective methodologies for over two decades. Headquartered at Jaipur, Rajasthan, CDC has a pan-India presence. We were awarded the UN-Habitat Scroll of Honor in 2004 for its best practices in waste management in India. It is the highest honor in the sector till date. In 2006 & 2008, our Nagpur Project was classified as Best Practice by UN-Habitat and Dubai Municipality. In 2008 CDC was awarded for its Bin Free Project in Nagpur. We refer to the RFP and seek your indulgence on following points:

Sl. No.	Ref Clause No.	Existing Clause	Clarification/Suggested Modifications	Response
1	Earnest Money Deposit	Rs.10,00,000.00 (Ten lakh only) as an initial Earnest Money Deposit shall be paid through online mode of payment (payment link will be available in the website).	As per the Price & Purchase Preference Policy of Government of India and Ministry of Micro, Small & Medium Enterprises the Micro, Small and Medium Enterprises (MSMEs) are to be provided tender sets free of cost and they are also exempt from payment of Bid/EMD money for tenders. It is therefore requested to kindly exempt the MSME's, NGO's and NSIC's from the payment of the EMD to give them a fair chance in the bidding process.	
2.	Eligibility to Participate in the Bid	5.2(i) Bidders should produce credentials of a same or similar nature of completed work with Central & State Govt/PSU/ULB	You would kindly agree that successful handling of "Collection and Transportation" is the most important part of successful and effective implementation of MSW in any city. There are many entities like	

16, Shri Gopal Nagar, Gopalpura Bypass, JAIPUR - 302015 INDIA

Phone : +91-141-2504604 Telefax : +91-141-2502299

E-mail : info@cdcindia.org • Website: www.cdcindia.org

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CENTRE FOR DEVELOPMENT COMMUNICATION

	<p>of the minimum value of Rs. 33.90 crores or minimum 1 number of Processing Plant with a capacity of at least 219 TPD (189 TPD Compost & RDF and 30 TPD Biomethanation) during 5(five) years prior to the date of issue of the tender notice or 2(two) same or similar nature of completed work with Central & State Govt./PSU/ULB, of the minimum value of Rs. 28.25 crores or minimum 2 numbers of Processing Plant with a capacity of at least 183 TPD (158 TPD Compost & RDF and 25 TPD Biomethanation) during 5(five) years prior to the date of issue of the tender notice or one single running work of same or similar nature with Central & State Govt./PSU/ULB which has been completed to the extent of 75% or more and value or capacity of which is not less</p>	<p>us who have been actively and successfully engaged in this activity over the past many years. As a corollary, it follows from the foregoing, that such entities can easily handle the project under tender by acquiring most suitable latest technology/ plant & machinery available domestically/ abroad.</p> <p>Therefore, we feel that the extant eligibility condition (regarding experience) is unjust and highly restrictive Thus it is requested to include the experience of Collection and Transportation of MSW as one of the technical qualification criteria.</p>	
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		<p>than the desired value or capacity at (i) Above.</p> <p>Out of these same or similar nature of completed work with Central & State Govt./PSU/ULB, of the minimum value or capacity of Processing Plant furnished, bidders should ensure at least 55% of the minimum value or capacity of Processing Plant have been handled by the lead bidder, in Case of consortium/JV.</p>		
3.	Financial Criteria	<p>5.7 Average annual turnover of the bidder (Refer Form TECH-1B) over the last three financial years (2016-17, 2017-18 and 2018-19) should be at least Rs. 57.00 crores from similar services as mentioned above.</p> <p>5.8 Solvency Certificate of Rs. 57.00 crores in favour of this specified Work, Tender ID & Tender Reference Number from any Scheduled/Nationalized Bank/Public Financial Institution is to be</p>	<p>In order to encourage participation by experienced and serious entities, it is suggested that the Financial eligibility criteria may be modified as under:</p> <p>1) The Lead Bidder should have an average annual Turnover of Rs. 15 crores in last 3 financial years preceding the bid due date, and the any member of the JV/ Consortium can fulfill the condition of the Average Annual Turnover.</p> <p>The Bidder shall have a Solvency certificate of Rs. 10 crores in favour of this specified work from any Scheduled/ Nationalized Bank/ Public Financial Institution to be submitted along with the bid.</p>	

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		submitted along with the bid.		
Other conditions	Kindly consider and include the given conditions as a part of the RFP document.		<p style="text-align: center;">(X)</p> <p>Additionally, suggest to add following conditions under "Technical Capacity":</p> <ol style="list-style-type: none"> 1. Bidder must not have suffered bankruptcy/ insolvency proceedings during the immediately preceding five years. 2. The Bidder should submit an undertaking to this effect as part of the Technical bid. 3. Any subsidiary of which the parent company has been black listed under the Insolvency and Bankruptcy code would not be allowed to participate in the Tender. 4. Any SPV formed just for a purpose of completing a specific project or having special purpose of business shall should not be allowed to participate in the bidding process. <p>This will help to ensure financial discipline has been adhered to in the past by the bidding entity.</p>	

We earnestly solicit your kind indulgence.

With kind regards

Dr. Vivek Agrawal

Trustee Secretary

Centre For Development Communication Trust

16, Shri Gopal Nagar, Gopalpura Bypass, JAIPUR - 302015 INDIA

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QUERIES / REQUEST FOR ADDITIONAL INFORMATION CONCERNING "Notice inviting e-tender for selection of Concessionaire for Bioremediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection and transportation, processing and disposal of Municipal Solid Waste for Dum Dum, South Dum Dum, North Dum Dum, Baranagar, Kamarhati and New Barrackpore Municipalities under Swatch Bharat Mission in West Bengal"

Director,
State Urban Development Agency
Address: ILGUS Bhawan, HC Block, Sector-III, Bidhanagar, Kolkata-700106
Email: wbsudadir@gmail.com

SBM, Swa.

SWACHH
28/8/2020, 1:37 PM

S. N.	Page No.	Part of RFP	Clause No.	Text provided in RFP / CA	Clarification sought with justification, if any
1	32 of 54	Section 5: Terms of Reference	Section 5: Cl. 6	The EMD for the successful Bidder will be converted to Security Deposit and additional amount of 10% will be deducted towards Security Deposit from each monthly invoice. Such deducted total amount will be refunded after 24 months on completion of each year.	Kindly confirm whether 10% security deposit deduction may be relaxed against guarantee in form of PFI to improve the cashflow of the bidder.
2	1 of 54	Description of work	Description of work	Bio-remediation of legacy waste: Approx. 6.6 lakh cubic meter waste in Pramod Nagar and 1.46 lakh cubic meter waste in Kamarhati	It is impossible to assess volume/quantity of waste lying at each dumpsite through visual inspection. We would request you to provide us 1. Physical/chemical parameters, composition of the legacy waste accumulated at the dumpsites 2. Topographic survey layout. 3. Layout with clearly demarkated areas for reclamation and area for dumping fresh waste. Upon conducting survey post-award of tender, if the legacy waste volume is found less than that specified in the tender (~6.6 lakh cum in Pramodnagar, ~1.46 lakh cum in Kamarhati), then how the bidder shall be compensated for loss of revenue? Kindly Clarify.
3	27 of 54 24 of 54	Section 5: Terms of Reference	CL.D (e) CL.A (n)	Land for SLF is to be finalized within 35 km and handed over to the Concessionaire within 9 months from issuance of LOI To facilitate the disposal of rejects, SUDA has identified a low-lying land area in Panihati (approximately at a distance of 12km)	The clauses are contradictory. Please confirm the correct distance for the identified SLF.
4	24 of 54 30 of 54 33 of 54	Section 5: Terms of Reference	CL.A (m) CL.V (f) CL.9 (c)	The Concessionaire to ensure that un-usable fraction of solid waste/rejects should not exceed more than 20% of total legacy waste. The rejects from the processing should not be more than 10% of the total waste if the quantity of inert waste to be disposed off in the landfill is more than the 20% and 10% quantity of legacy waste and fresh waste respectively, received at site a charge of Rs. 3000 per ton shall be charged on the extra weight than 20% and 10% quantity of legacy waste and fresh waste respectively.	The clauses are contradictory. We understand that the inert/rejects can be upto 20% of waste volume. Please confirm.
5	47 of 54 53 of 54	Section II - GENERAL CONDITIONS OF CONTRACT	CL.H CL.T	The agency should ensure start construction, erection and other allied activities of processing plant at designated waste processing site within thirty (30) days from the date of issue of LOA cum work order. Start construction of office building, waste processing plant etc.: Within ninety (90) days from the date of issue of LOA cum work order.	The clauses are contradictory. We understand that the concerned period is 90 days from the date of issue of LOA/work order. Please confirm.
6	of 54	Section 5: Terms of Reference	CL.A (h)	Monitor ground water quality in accordance with CPCB norms, work zone air quality and ambient air quality monitoring within the site from NABL accredited laboratories/agencies and submit the report on quarterly basis.	Monitoring will be done by concessionaire as per RFP. But request you to test and provide the existing parameters.

- Fw: Tender Notice for Solid Waste Management in West Bengal- "Bio-remediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection, and transportation, processing and disposal of Municipal Solid Waste"

Inboxx

Rohit.Chauhan@ifsiindia.com

Mon, Jun 22, 6:03 PM (4 days ago)

to chaitalibiswas3, dipaknaskarju, me, Deepak.Agarwal, Pradeep.Lohia

Dear All,

IL&FS Environmental Infrastructure & Services Limited (IEISL) is the leading waste management company with footprint across 8 (Eight) States in India and managing over 10,000 MT of waste on daily basis. We are the only integrated player in the waste management sector providing 360° end to end solutions for sustainable management of various types of waste such as Solid Waste, Construction & Demolition Waste and Hazardous Waste etc. We had set up India's only Euro norm compliant 12 MW Waste to Energy Plant at Ghazipur.

We are proud to inform that IEISL has been accredited as first private agency by Green Climate Fund for environmental projects. As a result of our vast experience and bandwidth in Waste Management Sector, our company has been awarded the Country's biggest Bio CNG project of 200 MT/ day capacity for the Cleanest City of Indore.

With reference to the trailing email, it is informed that the scope of work for the subject project is very vast and it needs a detailed field survey of the project area as well as project site and landfill site to understand the RFP and prepare pre bid queries. But due to prevailing Covid-19 pandemic situation in the country and the rise of Corona cases day by day, the movement is restricted in Delhi NCR and Kolkata as well. Few cases of corona have also been detected among our employees and as per Government guidelines our office has been declared to be in containment zone for 28 days. Also most of our project management team members are staying in containment zone areas in Delhi NCR due to which the movement of employees of our company is completely restricted.

In view of above, it is requested to extend the pre bid meeting date by atleast 7 days so that we are able to prepare our pre bid queries depending upon the scope of work for different works namely Bio remediation, setting up of compost processing facility, setting up of Biomethanation facility and secondary collection & transportation of solid waste.

Best Regards,

Rohit Chauhan | Senior Manager | | Project Management |

IL&FS Environmental Infrastructure & Services Limited

3rd Floor, M.M Tower, Plot no.-8&9, Udhyog Vihar,

Phase-IV, Gurgaon-122001, Haryana

Mobile + 91 9582599470 , +91 8448691480

Website : www.ilfsenv.com | Email id : rohit.chauhan@ifsiindia.com

CONSCIENTIOUS | DRIVE | ADAPTIVE | INCLUSIVE | COLLABORATIVE

----- Forwarded by Rohit Chauhan/IEISL on 06/22/2020 05:23 PM -----

The CPCB guideline indicates a rate of Rs.400.00 to Rs.700.00 processing charge per cubic meter. This translates to Rs.444.00 to Rs.777.00 per MT assuming specific gravity of 0.9gm/cc.

The relevant clause of the guideline is reproduced below:

"5.0 Costs: Operation & Maintenance Cost for Bioremediation and Bio-mining:

Operational Expenditure of the project would depend on the size of dumpsite. The onsite bioremediation cum bio-mining cost ranges between Rs 400 to 700 per cubic meter, irrespective of capital cost. The case by case cost of moving screened fractions offsite will be extra and variable, depending on distance to farmers, cement plants etc."

- **Name of the L1 bidder : Zigma Global Environ Solutions Pvt. Ltd.**
- **L1 bidder rate quoted : Rs. 1094 per MT**
- **L1 bidder rate quoted after negotiation : Rs. 1013 per MT**

eProcurement System of Government of West Bengal

Published Corrigendum Details



West Be

Date : 30-Jun-2020 03:45 PM

Print

Organisation Chain :	MUNICIPAL AFFAIRS DEPARTMENT SUDA
Tender ID :	2020_MAD_285205_1
Tender Ref No :	SUDA 366/2019(pt-I)/10738
Tender Title :	SUDA 366/2019(pt-I)/10738
Corrigendum Type :	Date

Corrigendum:1

Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
DATE CORRIGENDUM	DATE CORRIGENDUM	30-Jun-2020 03:45 PM	2020_MAD_285205_1_Corrigendum_0001.pdf	2255.25

Critical Dates

Publish Date	13-Jun-2020 04:00 PM	Bid Opening Date	15-Jul-2020 03:00 PM
Document Download/Sale Start Date	13-Jun-2020 04:00 PM	Document Download/Sale End Date	13-Jul-2020 03:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	13-Jun-2020 06:00 PM	Bid Submission End Date	13-Jul-2020 03:00 PM

Details Before Corrigendum**Critical Dates**

Publish Date	13-Jun-2020 04:00 PM	Bid Opening Date	08-Jul-2020 03:00 PM
Document Download/Sale Start Date	13-Jun-2020 04:00 PM	Document Download/Sale End Date	06-Jul-2020 03:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	13-Jun-2020 06:00 PM	Bid Submission End Date	06-Jul-2020 03:00 PM

রাজ্য নগর উন্নয়ন সংস্থা
STATE URBAN DEVELOPMENT AGENCY

“ইলগাস ভবন”, এইচসি ব্লক, সেক্টর-৩, বিধাননগর, কলকাতা-৭০০ ১০৬, পশ্চিমবঙ্গ
“ILGUS BHAVAN”, HC Block, Sector - III, Bidhannagar, Kolkata - 700 106, West Bengal

SUDA – 366/2019(Pt-I)/10836

Date: 19.06.2020

ADDENDUM-1

Name of the Work: Selection of Concessionaire for Bio-remediation of Legacy Waste, setting up of processing facility at Pramodnagar and Kamarhati and Sanitary Landfill at Identified Site, secondary collection and transportation, processing and disposal of Municipal Solid Waste for Dum Dum, South Dumdum, North Dumdum, Baranagar, Kamarhati and New Barrackpore Municipalities under Swatch Bharat Mission in West Bengal.

Tender Reference No.: SUDA – 366/2019(pt-I)/10738 dated: 13.06.2020

Tender ID No: 2020_MAD_285205_1 dated 13.06.2020

Interested bidders are requested to participate in the following Zoom Meeting for Pre-bid Meeting of Promodnagar (Cluster-I) Project. **Link and Password** are placed below:

DIRECTOR SUDA is inviting you to a scheduled Zoom meeting.

Topic: Pre-bid Meeting of Promodnagar (Cluster-I) Project

Time: Jun 23, 2020 02:00 PM India

Join Zoom Meeting

<https://us04web.zoom.us/j/71737588968?pwd=SkJCYUFoK1V1TmY5b1VkQ2R1TUxUZz09>

Meeting ID: 717 3758 8968

Password: 7PgBiT

Date and time of **submission of bid queries** have been extended up to **25.06.2020**.

19.06.2020,
Director, SUDA

(SO(GROUP R)(FIN))

Note No. #12

Observation of FD, Gr-T :

Sl No	Component	As per Finance Rules	Required changes	FD, Gr-T Views
1.	Earnest Money Deposit (EMD)	2% of the Project Cost submitted online	If EMD requirement is more than Rs. 15 lacs, then the amount upto Rs. 15 lacs has to be submitted online and the balance amount exceeding Rs. 15 lacs may be furnished by the Bidder in terms of a Bank Guarantee as issued by any Schedule Bank / Public Financial Institution.	We may agree. The EMD may be 10 lacs or 2% of Project Cost, whichever is lower.
2.	Security Deposit	10% of the Project Cost retained by the TIA through adjustment made in the RA Bill	The TIA may have the option of retaining this security deposit either adjusted with the RA Bill or in the form of a Bank Guarantee as issued by any Schedule Bank / Public Financial Institution depending on project requirement.	The SD may be deducted as 10% from the RA Bills.

3.	Credential	As applicable for 1 st Call: "Intending tenderers should produce credentials of a similar nature of completed work with Central & State Govt /PSU/ULB of the minimum value of 40% of the estimated amount put to tender during 5(five) years prior to the date of issue of the tender notice"	The Tender Inviting Authority (TIA) may be given the authority to amend this requirement as per the project contours and the level of participation / interest as envisaged in the tendering process from interested Bidders for any applicable call(s).	The Administrative Department may fix up the broad limits within which the technical criteria may be amended by the TIA.
4.	Participation of the Bidder	Minimum three number of technically qualified bidders required for opening of the financial bid in the 1 st call	If the number of technically qualified bidders is less than three in the 1 st call, the TIA shall be able to open the financial bid/proposal in order to fast track the process.	We may not agree. In case of less than 3 bids on 1st call retender to be done. In case the no. of bids on subsequent calls is still less than 3, FD Memo No. 6989-F(Y) dated 19.11.18 to be followed.

Sd/-(ACS(FIN)) Dt.18/03/2020

19/03/2020 2:03 PM

SRUTI DUTTA CHOWDHURY
(SO(GROUP R)(FIN))

Note No. #13

20/03/2020 10:08 AM

SUBRATA GUPTA
(PRSECY(UDMA))

eProcurement System of Government of West Bengal

Published Corrigendum Details



West Bengal

Date : 30-Jun-2020 03:47 PM

Print

Organisation Chain :	MUNICIPAL AFFAIRS DEPARTMENT SUDA
Tender ID :	2020_MAD_285205_1
Tender Ref No :	SUDA 366/2019(pt-I)/10738
Tender Title :	SUDA 366/2019(pt-I)/10738
Corrigendum Type :	Other

Corrigendum Document Details

Corr.No.	Corrigendum Title	Corrigendum Description	Published Date	Document Name	Doc Size(in KB)
1	CORRIGENDUM_I	CHANGE IN TERMS AND CONDITIONS	30-Jun-2020 03:38 PM	2020_MAD_285205_1_Corrigendum_0001.pdf	2255.25
2	Prebid Meeting	Prebid Meeting	19-Jun-2020 03:59 PM	ADDENDUM1.pdf	278.15

EOFPL - 003/20

dt. 6/07/2020

06/07/2020

To

Director

State Urban Development Agency

ILGUS Bhawan

HC Block, Sector 3

Kolkata 700106.

Subject: Bid Evaluation Criteria & Extension for Submission for Tender

Dear Sir,

As per the pre-bid meeting held on 23rd June 2020 at 2 pm for Tender with Memo No. SUDA – 366/2019(pt-I)/10738 we would like you to consider one of our requests.

Under Point 7. Bid Evaluation Criteria for a Firm's General Experience we have certain requests.

Under Part 1c, the current Bid Evaluation Criteria the marks are allotted based on the number of projects. We would like you to consider "**Calculation as per quantum of waste processed for Compost & RDF by the bidder in a similar project**" other than the above.

Under Part 1d, we would like you to consider allotting marks on the value of the project rather than evaluating it on the number of projects.

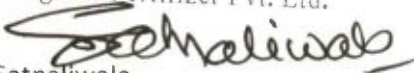
Under Part 1e, we would like you to consider allotment of marks on the volume of legacy waste processed rather than evaluating it on the number of projects.

In addition, due to further lockdown announced by the West Bengal State Government, we would request you to grant an extension of 7 days for us to process all the required documents for your consideration.

We would be highly obliged if you can accept our request and process the same.

Sincerely,

Eastern Organic Fertilizer Pvt. Ltd.



Sudhir Satnaliwala

(Managing Director)

Director

Swatch

Quantity of legacy waste should be ensured.

Lead binder - 55%.