

- 1 -

Buff Sheet
Finance (Audit)- Group R

Urban Development & MA Dept
SUDA-366/2019 (Pt-I)

- 1) This is regarding Development of a cluster based Solid Waste Management (SWM) Project comprising six Municipalities of North-24 Parganas at Promodnagar and Kamarhati through PPP model.
- 2) It appears that this matter is previously dealt with file No. SUDA-366/2019. **(Previous Buff Sheets are attached)**
- 3) The Administrative Dept has come up with a proposal for according Administrative approval for the Scheme "Bio-remediation of Legacy Waste & processing of fresh waste and setting-up of processing and disposal facility MSW (Cluster-I- Promodnagar and Kamarhati sites)" at an estimated cost of Rs. 54.91 Crore and for PPP Project on DBFOT mode for transportation and management of fresh waste by agencies on the basis of tipping fee discovered through RfP.
- 4) Group-T of this Department has accorded approval for implementation of the project under PPP Model vides U.O No. Gr.T/2019-20/0470 dated 20.08.19, subject to certain points stated at the above U.O (Flag-Y).
- 5) Admin Department has given reply to the 9 nos observation-point wise **(Flag-Z).**
- 6) The RfP document has also thoroughly been revised following consultations and suggestions of different stakeholders and Fox & Mondal, the law firm engaged for drafting of Concession Agreement.
- 7) This has concurrence of the Secretary of the Admn Dept and Hon'ble MIC, Urban Development & MA Dept at nsp-4 and has been routed through FA of the Admn Dept.
- 8) Detailed breakdown of Project cost has been placed in file. **(Flag-M)**
- 9) In view of the fact stated above, if approved, we may send this file to **Group-T** for their views and necessary action.

Submitted.

JS

KB
09/01/20

Schoudhury
09.01.20
Suon
9.1.20

JS(SK)
09.01.20
JS(R)

JS
10/1/20

JS(T)

J.S (P.P.P)
10/1/20

JS
10/1/20



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

File No : SUDA-366/2019(Pt-I)

Subject : CLUSTER:TRANSACTION ADVISOR E&Y-CONSULTANCY TENDER EVALUTION COMMITTEE(CTEC)MINUTES PROCEEDINGS

Department : Urban Development

We may agree to the proposal of the Admin Deptt. to the effect that the RFP for selection of Private Setting up of cluster-based Solid Waste Management Project for Dum Dum, South Dum Dum, North Dum Dum, Baranagar, Kamarhati and New Barrackpore Municipalities (Cluster I) and maintenance of Regional Waste Management Centre (RWMC) subject to modification of RFP as detailed below :-

- i) Though Bid Security of Rs. 2,26,30,000/- is to be submitted by Demand Draft as per concurrence of FD (UO no. Group T/2019-2020/0470 dated 20.08.2019 at Flag 'G'), the same has not been changed in Clause 1.4.6 of the RFP (Pg.12).
- ii) Annexure B: General Information of Bidder (Pg.54) should include Income Tax Clearance Certificate for last 3 years and GST Registration certificate to be included.
- iii) In Clause 2.2.2.2(5) for Qualification Criteria, attribute wise marking system may be preferred to make the evaluation process less subjective.
- iv) Tipping Fees as per Appendix-III(Format for Financial Bid/BOQ) at Pg.77 may be aligned with Clause 1.4.8 (i) at Pg.12.
- v) 'Second Round of Bidding' clause in Clause 3.3.3 (Pg.45) may be reviewed by the Department in line with existing provision.
- vi) Concession Agreement Format is not included.

UO NO : Group T/2019-2020/1151

UO Date : 25/02/2020

Sd/-
Finance Minister
14/02/2020

To
F.D. gm R'

W 25 2 20

Section Officer, Group-T, Finance Department

- 1) This is regarding Development of a cluster based Solid Waste Management (SWM) Project comprising six Municipalities of North 24 Parganas at Promodnagar and Kamarhati through PPP Model.
- 2) It appears that the estimated cost of this project is Rs. 54.91 Crore. Detailed Breakdown of Project Cost has been placed in file. **(Flag-M)**
- 3) The Admin Department has come with the proposal for according Administrative Approval for the scheme "Bio-remediation of Legacy Waste & processing of fresh waste and setting-up of processing and disposal facility MSW (Cluster-I-Promodnagar and Kamarhati sites)" at an estimated cost of Rs. 54.91 Crore on DBFOT mode for transportation and management of fresh waste by agencies on the basis of tipping fee discovered through RfP.
- 4) In this connection Group-T U.O No. Group T/2019-2020/1151 dated 25.02.2020 at **(Flag X)** may kindly be seen.
- 5) In view of above, if approved, **we may accord Administrative Approval** for the proposal "Bio-remediation of Legacy Waste & processing of fresh waste and setting-up of processing and disposal facility MSW (Cluster-I-Promodnagar and Kamarhati sites)" at an estimated cost of Rs. 54.91 Crore on DBFOT mode for transportation and management of fresh waste by agencies on the basis of modified RFP of Group T vide UO No. Group T/2019-2020/1151, dated 25-02-2020.

Submitted for orders.

[Handwritten signature]

KB
28/02/20

~~JS (R)
28.2.20
JS (R)~~

Schewdhury
28.2.20
[Handwritten signature]
28/2/20

M. Kumar

JS (R)

[Handwritten signature]
28/2/2020

As Discussed:

- 1) Group T has agreed modification of RfP (Flag-X).
- 2) Project Cost of the said project is Rs. 54.91 Cr.
- 3) The Admin Department has come up with the proposal for the AA&FS.
- 4) Now, it appears that the Phasing of Expenditure is not available in the file.
- 5) In the view of above, if approved, Admin Department may be requested to resubmit the file with phasing of Expenditure for proper appreciation of the proposal.

Submitted.

~~S.O (Gr/R)
04-03-20~~


Anirban
04-03-2020

~~Secy (Fin)
04.03.20~~

~~S.O (R)
04.03.20~~

As proposed.

Schewdhury
04.03.20


5/3/2020

Enclosed,
Sc
07/02/20

The Admin Department was requested to resubmit the file with phasing of expenditure for proper appreciation of the proposal (NSP-4).

The Admin Department has come up with the required phasing of expenditure (**Flap - X**).

Total cost to be borne by the State Government in closing year 2020 is Rs.29.99 Crore only.

In view of above, **if approved, we may accord Administrative Approval** for the proposal "Bio-remediation of Legacy Waste & processing of fresh waste and setting-up of processing and disposal facility MSW(Cluster-I-Promodnagar and Kamarhati sites)" at an estimated cost of Rs.54.91 Crores on DBFOT mode for transportation and management of fresh waste by agencies on the basis of modified RFP of Group T vide UO No. Group T/2019-2020/1150, dated 25-02-2020.

Submitted.

SD

*KB
18/3/2020*

*Schoudhury
18.3.20*

*Addl Secy.
18.3.20*

*S. Gopinath
JS/48-R*

cluster - I

Development of a cluster based Solid Waste Management project comprising six municipalities of North 24-Paraganas at Promodnagar and Kamarhati through PPP model

Solid Waste Management (SWM) is a vital service provided by Urban Local Bodies to its citizens to ensure a healthier environment and better standard of living. Hitherto, Solid Waste Management primarily consisted of collection of mixed waste from households and establishments, carriage to dumpsites and eventual dumping without recovery valuable items from the mixed waste and without treating them to make them harmless for the environment. However, recently Solid Waste Management Rules, 2016 issued by Government of India (GoI) and various directions given by National Green Tribunal (NGT) from time to time have set the baseline for Standard Operating Procedure of SWM in the country. The rules and the various guidelines and standards issued by the Central Public Health and Environmental Engineering Organization (CPHEEO) now mandate that the municipal solid waste can only be dealt with in the prescribed manner. This implies that dumpsites cannot be continued any further and legacy waste in existing dumpsites are to be mined and rendered harmless. These guidelines also mandate that the fresh waste collected from households and establishments, would have to be segregated into wet or bio-waste and dry or recyclable waste, collected and carried to Intermediate Transit Stations and then to the Central Processing Facility for eventual processing and disposal.

In line with these requirements, the UD&MA Department proposed to re-organise the cluster based waste management mechanism which consists of a dumpsite at Promodnagar in North 24-Paraganas which receives wastes from the municipalities of Dum Dum, North Dum Dum, South Dum Dum, Baranagar. As advised, the State Urban Development Agency (SUDA) appointed Ernst and Young LLP, as the Transaction Advisor for development of an integrated and extended project in PPP model clubbing two more municipalities of New Barrackpore and Kamarhati within the proposed cluster.

The existing SWM project with estimated project cost of Rs 55.73 Crore was sanctioned by MoHUA, GoI under Swachh Bharat Mission in 2016 considering the DPR prepared by ME Directorate and recommended by SHPC in its meeting dated 5th January, 2017 (Details attached).

The scope of the earlier project included procurement and supply of household waste bins and collection and transportation of vehicles for all 4 municipalities, setting up of a 50 TPD Windrow Compost Plant and a 50 TPD Biogas Plant and development of a landfill site within the Promodnagar dump yard with land size of 21.73 acres situated under South Dum Dum Municipality and owned by Baranagar Municipality as per available records.

The execution of project was entrusted to KMDA with the fund sanctioned under SBM where central share is 35% of the total project. The KMDA has so far expended Rs 25.80 crore towards supply of bins, vehicles and other equipment, construction of Compost Plant and SLF and submitted UC of Rs 23.20 crore against construction of Compost Plant (99% of the civil construction), development of SLF (72% of the total work) and supply of

equipment and vehicles to the respective municipalities. The project was stalled vide memo no 922(150)/MA/O/C-4/1M-12-2018 dated 17.12.2018 when an integrated approach for management of waste as is being implemented in other cities through private expert organizations was mooted. The earlier project consisted of civil construction with no consideration as to how the facility would be operated. Moreover, there was no plan with regard to the accumulated waste. And most fatally, it was not clear as to how the 500 MT or so of daily fresh waste was to be processed!

Now as envisaged by the TA the project may be developed on two sites, one at Promodnagar where with the simultaneous bio-mining of legacy waste of about 600000 MT, fresh waste of 4 municipalities of Dum Dum, North Dum Dum, South Dum Dum, Baranagar has been planned to be processed through an integrated Compost & RDF plant of capacity 450tonnes per day (TPD), Bio-methanation plant of 100 TPD and setting up of a Material Recovery Facility (MRF). Through these facilities 476TPD of solid waste (currently) generated in the respective municipalities could be managed. Similarly after reclamation of land in the existing dumpsite of Kamarhati municipality (with land area of 8 acre) through bio-mining of legacy waste of 132000 MT, fresh waste of 180TPD generated within the municipalities of Kamarhati and New Barackpur may be processed through an integrated Compost & RDF plant of 180 TPD as suggested by E&Y, the TA in the Technical Feasibility Report placed in the file. Further, process has been initiated from the UD&MA Deptt for identification of an appropriate land for setting up of SLF to cater to these municipalities following the provision of SWM Rules, 2016.

The present project is proposed under PPP model where the selected bidder will develop the project on DBFOT mode. The total project cost is estimated Rs 113.15 crore. The bio-mining component at the existing legacy waste sites of Promodnagar and Kamarhati would have to be paid for by the government. The cost estimated for this booming is Rs 54.91 crores per the rates specified in CPHEEO Manual. The responsibility of primary collection and transportation of segregated waste upto secondary transportation points has been kept within the scope of the respective ULBs. The selected bidder will collect and transport segregated waste, both wet and dry, from the secondary stations and process at the earmarked sites for proper disposal against Tipping Fees to be ascertained through the bid. The entire exercise will be undertaken following SWM Rules, 2016, CPHEEO manual and directives of other regulatory authorities.

SWM task Force, the Technical Committee constituted in the department for project appraisal, in its meeting on 2nd December 2019 accorded consent to the TFR submitted by E&Y with only one suggestion that C&T of wet waste should entirely be done by ULBs where the selected bidder shall extend service for entire C&T of dry waste. However, in a subsequent meeting on 20st December 2019 with representatives of the respective ULBs the mechanism as mentioned in the previous paragraph was adopted and accordingly the TFR and RFP have been revised.

In view of above, the following are placed for approval:

- 1) Administrative approval for undertaking the biomining project at the Pramodnagar and Kamarhati sites at an estimated cost of Rs. 54.91 crore and for a PPP project on DBFOT mode for transportation and management of fresh waste by agencies on the basis of tipping fee discovered through an RfP.
- 2) An Independent Engineer who is familiar with Solid Waste Management projects may be engaged for monitoring the contract in the PPP project.
- 3) Vetting of RfP document drafted by E&Y and CA document drafted by Fox & Mondal. (The RfP document was earlier sent to FD and returned with certain observations. Those queries have been met up and attached at flag ~~X~~. The RfP document has also thoroughly been revised following consultations and suggestions of different stakeholders and Fox & Mondal, the law firm engaged for drafting of Concession Agreement.

Submitted for approval.

27.12.19.

Joint Secretary, UD & MA Dept.

&

Additional Mission Director, SUDA

Note above.

Concurrence to the above proposal may kindly be accorded.

Self 27/12/19

PA, UD & MA Dept.

File No: SUDA-366/2019.

File Name: SWM -Transaction Advisor-EY Cluster-1

Notes from Prepage

Observation of FD at Flag 'Y' may be referred to.

The Transaction Advisor M/S EYCluster-1 has given reply to the 9 nos observation-point wise at Flag 'Z' may also please be seen.

The Finance Department vide U.O. No. Gr. T /2019-20/0470 Dt. 20.08.19 has accorded approval for implementation of the Project under PPP mode.

The proposal at n.s.p. 2 relates to submission of Revised Draft RFP and Conversion Agreement prepared by M/S E & Y for selection of PPP partner for "Bio-remediation of Legacy Waste & processing of fresh waste and setting-up of processing and disposal facility MSW(Cluster-1- Pramodnagar and Kamarhati sites)" at an estimated cost of Rs. 54.91 Crore and for PPP Project on DBFOT mode for transportation and management of fresh waste by agencies on the basis of tipping fee discovered through RfP. .

In terms of G.O. No. 975-FB dt. 24.10.2019, the file may be sent to the Finance Department, Group-R for according AA&FS for the Project.

Kishore Sengupta
Kishore Sengupta
Financial Advisor & E.O.S.S.
27/12/19.

Principal Secretary,

MMIC, UD&MA

Urban Development Deptt.

UO No. 2550

30/12/2019

Since there are strict timelines for implementation of the orders of the National Green Tribunal, it is requested that the Administrative Approval may be accorded urgently so that the RfP can be floated and if necessary, the file would be sent back for vetting of the RfP. If any of the RfP conditions require change, that can be done through issue of corrigenda during the period of publication. Submitted for approval.

30/12
Pr. Secy, UD & MA
ACS, FD

Jc(R)

27/12

27/12/2019
31/12/2019

2/1/20.

$\frac{JS(SK)}{SO(R)}$
2/1/20.

$\frac{DS(T)}{13/01/20}$

$\frac{SO(T)}{13/01/20}$

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Observation of FD:

File Number: SUDA-366/2019 (Pt-I)

The Admin Department may be requested to resubmit the file with phasing of Expenditure for proper appreciation of the proposal.

Sd/- Secretary, Fin, dated 05.03.2020

To

UD & MA Department

Schowdhury, 5/3/20

SO,FD

Director, SUDA
13/11/2020.

As desired by the Finance Department, the phase-wise expenditure to be borne by the Government for proper appreciation of the proposal is being submitted in tabular form. The basic cost involvements are

- (a) Reclamation of legacy waste for a period of initial two years only.
- (b) For primary collection & transportation an amount of Rs.29.99 Cr. is required once at the time of commencement of the project.
- (c) Tipping fee to be paid from commencement of processing units.

Put up for necessary approval please.

Director, SUDA

[Signature]

13.3.20

In response to queries, made by F.D, phase wise break up of expenditure has been computed and placed in CP side (Flap 'X'). Total cost to be borne by the state govt in ensuing Year 2020 is RS. 29.99 crore only.

Placed for kind perusal.

[Signature]

13.03.2020

[Signature]

U.O. No. SUDA-656

Dated 16.03.20

File No. SUDA-366/2019 (Pt-I)

May kindly convey in view of ACS, FD N&T's directions *[Signature]* 16/III/2020.

UD/00/2020/.....
Dr. Sec/UD & MA
Urban Development Deptt.
U/O No. 459
Dt. 16/3/20

[Signature] (R)

[Signature]
17/3

[Signature]
17/03

(S. P. P.)
[Signature]



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NOTE SHEET

SUDA

Total project cost of Rs. 1019 crore for cluster-I under SWM project has been derived on phased manner, placed at C.P side.

Total cost to be borne by the State Govt. in ensuring year 2020 is Rs. 62.94 crore only instead of Rs. 29.99 crore, mentioned at nsp-6 erroneously.

Submitted.

27.04.2020.
Director, SUDA

SO (Fin-G.R.R)

It may kindly be noted that, an amount of Rs. 1019 Crore will be required as total project cost of Rs. 1019 Crore for the Project Year (2020-2042 ie, 22 Years) in connection with implementation of the Cluster – I Project under Solid Waste Management Scheme . The total project cost derived at **Rs. 1019 Crore** considering year-wise, sub-component wise (ie. Reclamation/Bio-mining cost ,Primary Collection, Transportation & Tipping Fees Cost). It may also be mentioned here that for the sub-component ie, Reclamation/Bio-mining cost of Rs. 54.91 Crore which is inclusive within the total project cost as indicated above ie. Rs.1019 Crore.

Now, 60 % of the Reclamation/Bio-mining cost of Rs. 32.95 Crore for FY 2020 and 40 % of the Reclamation/Bio-mining cost of Rs. 21.96 Crore for FY 2021 against the total sub-component of cost (Rs. 54.91 Crore) is required imperatively.

The quantity of the legacy waste at Promod nagar & Kamarhati dumpsite is calculated on the basis of topographical survey. Please refer to Page No 96 & Page No. 179-181 of TFR wherein , quantity analysis and detailed topographical map has been given.

Regarding Rate analysis kindly refer CPCB guidelines , where it has been stated that “ Reclamation/Bio-mining cost of Rs. 700 per cubic meter”, which become Rs. 778/- per Ton (Rs.700/0.9) considering the density of the legacy waste 0.9 Ton per cubic meter .

As prescribed in CPCB guidelines the upper ceiling of Rs. 778/- per ton, we have considered Rs 750/- per Ton as Reclamation/Bio-mining cost.

It may be mentioned in this context that as it is a PPP model based project, the private party will bear the initial cost for installing machineries and infrastructures. Otherwise, initial financial burden of incurring this expenditure would be upon State Govt.

For kind perusal detailed cost break up /phase wise expenditure is provided again in the following:

Cluster 1: Phase wise Expenditure by the Government

Year	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
	1	2	3	4	5	6	7	8	9	10	11
Reclamation Cost (In Crore)	32.95	21.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Primary Collection & Transportation cost (In Crore)	29.99	8.60	8.60	8.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tipping Fees Cost (In Crore)	0.00	0.00	0.00	0.00	30.08	31.54	33.08	34.70	36.39	38.17	40.03
Total (In Crore)	62.94	30.57	8.60	8.60	30.08	31.54	33.08	34.70	36.39	38.17	40.03

Year	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
	12	13	14	15	16	17	18	19	20	21	22	23
Reclamation Cost (In Crore)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Primary Collection & Transportation cost (In Crore)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tipping Fees Cost (In Crore)	41.99	44.04	46.19	48.44	50.81	53.29	55.89	58.62	61.48	64.48	67.63	70.93
Total (In Crore)	41.99	44.04	46.19	48.44	50.81	53.29	55.89	58.62	61.48	64.48	67.63	70.93

Total Cost to Government 1019 crores

Consideration as per TFR

Total Waste in 2020 for Pramod Nagar Plant	476	TPD
Total Waste in 2020 for Kamarhati Plant	159	TPD
Total Waste in 2020 for both the plants	635	TPD
Tipping fee	1250	Rs/ton
Inflation in Tipping fees	3.00%	Per Annum
Investment for Reclamation in first year	60%	
Investment for Reclamation in Second year	40%	

Submitted.

29-04-20
Director, SUDA

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NOTE SHEET

SUDA

As discussed with the Chairman, Project Clearance Committee, Finance Department, an amount of Rs. 1019 crore will be required as total project cost of Rs. 1019 crore for the project year (2020-2042 i.e. 22 years) in connection with implementation of the cluster-I project under solid waste management scheme. The total project cost derived at Rs. 1019 crore considering year-wise, sub-component wise (i.e. Reclamation /Bio-mining cost, primary collection & transportation cost and tipping fees cost).

Now, the total cost to be borne by the State Govt. in ensuring year 2020 is Rs. 62.94 crore considering the Reclamation /Bio-mining cost is Rs. 32.95 crore (60% of the total Reclamation /Bio-mining cost i.e. Rs.54.91 crore) and primary collection & transportation cost is Rs. 29.99 crore.

Submitted for approval.

 30-04-2020.
Director, SUDA

SO, Finance (GR R)

Sub: Proposal for extension of time of bid submission closing date for Cluster-I SWM Project

It may kindly be recalled that the pre bid meeting towards the Notice inviting e-tender 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 Dum Dum, North Dum Dum, Baranagar, Kamarhati and New Barrackpore Municipalities under Swachh Bharat Mission in West Bengal floated on 13.06.2020 was held on 23.06.2020.

The minutes of the meeting is placed in the file.

In the meeting, the bidders have requested to extend the bid submission closing date for 7 to 15 days.

On realistic assessment for participation of sufficient number of bidders in this COVID 19 pandemic situation, it is being proposed to allow the extension of bid submission closing date for further seven (7) days period from 06.07.2020.

Placed for kind approval.

If approved, the revised schedule is placed below:

1. Bid Submission closing date: 13.07.2020 at 3.00 PM
2. Bid Opening for Technical proposal: 15.07.2020 at 3.00 PM
3. Technical and Financial Evaluation: within 19.07.2020
4. Award of Contract: within 01.08.2020, with concurrence of Finance Department
5. Implementation expected to be started: within 12.08.2020 (provided the 2nd call is sufficiently responsive and the results in the selection of a suitable agency).

Add. Director
(SWM)/SUDA

[Signature] 29.6.20
(Dipak Naskar)
SE, SUDA

NOTE SHEET

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SUDA

Notes at page-10/N.

The pre-bid meeting for the second call of NIT was held on 23.06.2020 on a webinar. 5 (Five) prospective bidders participated in the meeting. The bidders made different submissions for modification of criteria as was mentioned in the bid including request for extension of 7 (seven) days as the last date for the online submission of the bids.

Accordingly, the closing date for online bid submission may be extended upto 13.07.2020, 3:00 pm. The revised schedule of bids mentioned at 'X' page-10/N may kindly be approved.

Director

Pranab
AMD 29.06.2020

↳

29.06.2020.

~~AMD (IL)~~

D. Nandan *CA*

Pranab
29.06.2020