

**TENDER
DOCUMENT
FOR**

Issued to:

On:

Payment received receipt no:

Dated:

**MSW Processing, Treatment and SLF
FOR
NANDED WAGHALA CITY MUNICIPAL
CORPORATION, NANDED (MS)**

**AS PER
NIT**

**NO.NWCMC / MSW-Proc/-----/2011
DATED /03/2011**

Nanded Waghala City Municipal Corporation, Nanded (MS)

**Tender Notice for
Municipal Solid Waste Processing and disposal Project**

Ref.No.: NWCMC/SWM/P&D-2011

Date: 7/03/2011

**Solid Waste Management – Processing, and Disposal Project under-
[PPP/BOOT Mode] as per MSW rules, 2000**

Nanded Waghala City Municipal Corporation (NWCMC) is planning to upgrade solid waste management programme Projects as per MSW Rules 2000. This is one of the priority area for the city. In order to treat and process MSW of approx. 200-250 TPD under PPP-BOOT mode, the NWCMC invites Tenders from eligible parties who fulfill the following criteria through E tendering as well as Conventional (Manual) system.

Eligibility criteria and other conditions:

1. The intending firm must be registered in India.
2. Individual firm or SPV or consortium (not more than 4 firms) can participate.
3. Firm or consortia should have successfully implemented at least one project of minimum 100 TPD size within last 3 years and the plant should be operational for minimum period of one year as of February 2011 or should have processed at least 45000 MT fresh MSW in the block period of 2 years.
4. In case of consortia the lead member must hold >51.00% equity.
5. The Tenderer must have backup support from a reputed msw processing plant manufacturer who has executed at least 3 multiple product recovery facilities of minimum 200 TPD each in India / abroad. (In case of Composting)
6. The Tender should have compost marketing tie-up with Agri-input firm or Fertiliser Co. Such firm must have marketed at least 5000 MT compost in the last 2 years. (In case of composting)
7. The Tenderer should also have tie-up for utilization of RDF with the user industry preferably in Maharashtra.
8. Parties facing charges of non execution of MSW project in prescribed time limit will be disqualified.
9. The Tenders will be evaluated using weightage score system for Technical and Financial offers in the ratio of 75:25
 - Tender submission will be in 2 envelope system
 - Tender forms can be obtained from the office of Assistant Municipal Commissioner (Sanitation), Nanded Waghala City Municipal Corporation, Nanded (MS) during 9th Mar. to 29th Mar. 11 by paying Rs.5000/- in cash or by demand draft payable to Municipal Commissioner NWCMC Nanded.
 - Last date for receipt of tender is 30th March 2011 upto 1.00 PM which will be opened on the same day at 3.00 PM
 - Municipal Commissioner NWCMC Nanded reserves the right to accept or reject all the offers.
 - Prebid will be held in the office of Municipal Commissioner NWCMC Nanded on 22nd March 2011 at 11.00 AM.

NaNDED WAGHALA CITY MUNICIPAL CORPORATION, NaNDED (MS)

The interested parties should submit their offers in both through e tendering system as well as Conventional (Manual) tendering system, Technical Proposal (Env.1) and Financial offer (Env.2)

E tendering process of NWCMC Nanded

- 1 The Bidder should obtained a registration for eligibility for E-Tendring , from NWCMC Nanded's E-Tender Section by making payment Rs. 2150/- by cash or by on line through credit card .The bidder will be provided a Digital Token on receipt of the above payment..
- 2 The bidder should purchase the Tender by making payment for Rs. 7725/- by online through Credit cards or by cash to be deposited at E-Tendering section of NWCMC Nanded..
- 3 The bidder can see download and fill up tender document on the Web site nwmc.onlinetenders.co.in only after payment of Tender cost.

Manual Tendering System

a)Envelope- 1

- Will contain Complete Technical Proposal along with Eligibility Criteria fulfillment documents, certificates and project sustainability calculations.

b) Envelope- 2

- Will contain Financial Offer in the prescribed format as Price Schedule. This will be opened for all the technically qualifying parties to determine final weightage factor of Technical & Financial marks.

All the above Envelopes should be sealed, enclosed in the final outer hard copies of envelope

*Note: Scanned copy of EMD must be enclosed with the Technical Proposal in case of E tendering option and the original DD to be submitted on the day of Tender opening. In case of conventional tendering system option, original DD must be enclosed in Technical Envelope.

**Municipal Commissioner
Nanded Waghala City Municipal Corporation
Nanded (MS)**

Date: 07/03/2011

SCHEDULES:

DATE OF NIT NOTIFICATION: 07/03/2011

DATE OF COMMENCEMENT OF SALE OF TENDER DOCS: 09/03/2011

LAST DATE OF PURCHASE OF TENDER DOCS: 29/03/2011

PRE-BID MEETING: 22/03/2011

**LAST DATE OF SUBMISSION OF DULY FILLED
TENDER through e-tendering as well as conventional
(Manual system) (Up to 13.00 Hrs) 30/03/2011**

**OPENING OF TENDER [Technical Submission)
(AT 1500 HOURS IN THE OFFICE OF
THE COMMISSIONER / Committee room : 30/03/2011**

**OPENING OF FINANCIAL BID : After Technical scrutiny and
Verification of claims.**

SCOPE OF WORK

1. Design, fabricate, procure, transport, supply, installation and commissioning of Integrated Processing Plant and SLF facilities for initial capacity of 250 TPD with incremental quantities as per the scope of the tender.
2. O&M of the above facility including SLF for a period of 30 years including installation & commissioning period.
3. The project is under PPP Mode of involving Private Sector, experienced parties with multiple processing technologies and investment on PPP Mode.
4. Recovery and Marketing of MSW derived products for cost compensation mechanism.
5. Delivery and Commissioning of the project in expeditious manner so as to treat and process the MSW within 12 months from the date of agreement signing or handing over of the site or getting consent to establish which ever is later.
6. Post closure care of SLF will be for 5 years over and above 30 years of contract period.

NWCMC Nanded invites proposals from interested parties.

A. Eligibility Criteria:

1. The Company or holding firm must be registered in India for last 2 years. Should have proven technologies with an integrated approach for composting as forefront technology followed by RDF and recovery of recyclables or any alternate technology for Municipal Solid Waste Management process.
2. The party, the consortium or SPV should have setup in India at least one Plant of Min 200 TPD capacity under a single ULB. The Processing Facility should have been operative for at least 2 years or should have at least 75000 MT MSW in the above period.
3. Supporting proof like agreement, work order/LOI and performance certificate from competent authority shall be enclosed with the document especially for the main qualifying facility. For others LOI/certificates are ok.
4. The participating firm or consortium or SPV members should be recognized experts in the field of SWM processing. The consortium agreement should be legally structured on Rs100.00 Non Judicial stamp paper.
5. Parties or their associates / consortium member having track record of litigation with ULBs and facing charges for non performance of MSW project during last 2 years will be disqualified. Necessary disclosure as affidavit on non-judicial stamp paper of Rs100/- should be submitted.
6. Plant Machinery equipment vender's experience will be considered if the same is legally structured with participation in the project on long term basis.
7. The party should have own network or tie-ups for compost marketing with Fertilizer company. (Applicable for composting option only)
8. The bidder should furnish documentary evidences for Compost and RDF quantities and sales revenue during last 2 financial years in case he is running plants of MSW composting technology.
9. The time limit for execution of the project is 12 months from the date of agreement signing.
10. The certificates enclosed with the tender may be subjected to verification from concerned ULB/Project owner. Discrepancies or false figures may lead to disqualification at any stage up to agreement signing.
11. Land filing of MSW in any form and treatment methods other than those prescribed in MSW Rules 2000 will not be considered as processing activity.
12. The Commissioner NWCMC reserves the right to accept or reject any or all proposals without assigning reasons for the same.

B. Further Terms & Conditions of the Tender

1. Actual working facility or role model facility mentioned by the bidder may be visited by expert team at any stage between tender opening to agreement signing. Documentary evidences including Audio, Video, Multimedia presentation must be submitted with the technical proposal. In case of role model facility from abroad If such bidder is found to be L1 then visit to overseas location may be made before signing of the agreement however the discretion for this will be of Commissioner NWCMC.
2. The Project Awardee has to bear the expenditure towards appointment of Consultants for Project design and supervision services.
3. The Project awardee has to pay Technical Fee to the agency appointed by NWCMC @1.00% of the total project cost. This fee is towards checking and clearances of drawing, designs, and specifications of plant machinery, equipments, Installation work and commissioning.
4. Financial bid must be submitted in the prescribed format given with this document. Price quotation should be given in words and figures. In case of discrepancies in words and figures cost given in words will be considered. Necessary deletions should be made where even such options are given.
5. This Tender is a lump sum price job inclusive of capital cost for project execution and subsequent O&M for given period of time. The cost break up is being taken just to facilitate project monitoring, verification of bills, and part payment on prorata basis as per the project execution cost and price offered by the bidder. The principle of item rate will be applicable only in case the tendering authorities decide to exclude particular item and/or include other item are adjust the civil infrastructure as per the process requirements.
6. All submission must be as per the formats and annexure and in the same order.
7. The quantities of the MSW for qualifying project will be taken as per the quantity mentioned in the agreement. However if such agreement is signed at least 3 yrs back then escalated quantity @5.00%per year may be considered.
8. Proposed draft agreement for processing and disposal is given with this document. Selected contractor shall be required to sign this agreement along with other statutory conditions of the contract
9. The applicant must meet Municipal Solid Waste (Management and Handling) Rules, 2000 and other Acts, Rules that may be imposed by Govt. Agencies.
10. All the relevant regulations/stipulations/guidelines etc given by CPHEEO/IPNM Task Force Report will be met by the successful bidder.
11. The applicants are advised to conduct their due diligence studies and satisfy themselves with local and in-situ conditions.
12. The NWCMC is likely to constitute a Technical committee, whose recommendation on technical evaluation, financial evaluation and further calculations will be considered by NWCMC and other Govt. authorities for award of the project.
13. Impudent calculations with regard to processing capacities and product recoveries based on old accumulated waste etc. will be subjected to thorough scrutiny and backward calculations for ascertaining the capacity of the Plant and other capabilities.
14. No post facto submission of documents will be allowed unless specifically asked for by the tender evaluation committee
15. Canvassing in any form will render the bidder disqualified.
16. If the Tender evaluation committee is not satisfied regarding adherence to time schedule(as determined from track record), sustainability of the O&M

operations, project viability calculations in such case the bidder may be asked to further prove his claims within the stipulated time. Failure to do so will disqualify the bidder.

17. The successful bidder will not cause any inconvenience and nuisance during facility installation and project O&M to the neighborhoods and general public.
18. Within parameters of contract, all the O&M expenses including staff, fuel, maintenance, insurance, will be to the account of the successful bidder and they will not raise any claim to this effect on the NWCMC Nanded.
19. All the assets created under this contract will remain the property of the successful bidder during the concession period and will be transferred to the "Municipal Body" at the end of the concession period.
20. The initial concession period offered is of 30 years for processing project which may be extended on mutual agreement. The process for renewal of contract may begin in 28th year.
21. In view of the long term contract obligations, commercial terms and conditions may be subjected to revision at an interval of 5 to 7 years depending on necessity, enforcement of new regulatory compliances and sustainability of the project. This will be however with mutual discussion between ULB, contractor and Govt. authorities.
22. The joint ventures, consortium or SPV are allowed. However, not more than 4 parties will be allowed in a consortium / SPV / JV.
23. The consortium agreement/JV agreement/SPV agreement will be on a stamp paper of Rs.100/- and duly notarised. Non-compliance of this may lead to rejection.
24. One party can be a member of only one JV/SPV/Consortium. Duplicity in any manner will disqualify all the concerned parties. This applies to all the sister companies, associates and subsidiaries of all the applicants.
25. The applicants may suggest new and advanced technologies and innovations with proper justification and merits.
26. Proposals with Deviations in the BOQs, specifications and measurements in the tender documents will be rejected.
27. Submission of vague documents, certificates or incorrect information in any aspect of the tender will not only disqualify the bidder but may also lead to further legal action for misleading authorities.
28. The successful bidder will provide performance guarantee / security deposit of Rs50.00 lac in the form of BG within 3 weeks of issue of LOI but before signing of the agreement.
29. The effective duration of BG will be for a initial period of 2 years with further renewal up to the end of the contract i.e. 30 year.
30. No mobilization advance will be given by MWCMC.
31. Conditional tenders, un-substantiated claims, offers, non quantifiable benefits in the current scenario will not be considered.
32. Suggestion, protests, pre-conditions relating to land area for processing, SLF, accumulated waste, site conditions, geotechnical matters MSW characterization topography etc. will not be entertained.
33. Proposals based on waste to power generation will also be considered subject to the orders of Hon'ble Supreme Court and Govt. policies.
34. All correspondence, communications regarding this tender will be made with the tender calling authority only.

BID EVALUATION CRITERIA:

A. Guidelines for Evaluating Technical Proposal:

Evaluation of Technical Proposal:

The Bidder (sole or consortium/SPV) shall submit their technical proposal clearly mentioning the following:

1. Bidder's understanding of the project concept
2. Bidders experience in implementing PPP projects and success history
3. Bidders experience in implementing MSW Processing Projects under Indian conditions.
4. Proposed approach, methodology for implementing of the proposed project
5. Detailed specifications of plant, machineries and innovative technological Proposals for improvement of MSW utilization project sustainability calculations.
6. Schedule for implementation of the proposed project
7. Proven track record of MSW derived product marketing with achieved input Output ratio, receipt and utilization of MSW quantities.

The bids will be evaluated on the criteria for fulfillment of eligibility requirements in terms of technical, financial, and management skills.

B. Weightage Factor

The weightage factor will be 60% for technical score and 40% marks for financial bid. The financial bid will be opened for only those parties who get a minimum of 60% of technical marks. After combining the technical and financial marks, the final score sheet will be prepared to determine the highest scorer after weightage factor. The highest scorer will be declared as L1 and called for negotiations (if any). If negotiations with L1 party fail then the L2 party will be called for negotiations and so on. The points of negotiations will include timely execution of the project, pricing and sustainability of project operations and such other matter as may be suggested by the Commissioner NWCMC.

C. Financial and Management Aspects:

The Project is being taken up under PPP mode. The privatization component for design, development, installation of processing facility and capital cost sharing under PPP mode is called for. Hence party's eligibility with financial participation is of specific significance.

D. Allotment of Technical Marks

For Technical marks by Technical Committee, highly relevant parameters have been determined keeping in view the task of MSW Processing. Evaluation will be carried strictly in accordance with the achievements made by the bidders and marks for the task as per the project task and assignable marks. This carries overall marks for the Technical Evaluation are based on total of 100. For eligibility of financial bid opening bidders have to secure minimum 60% marks.

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Sub: MSW Processing and Disposal Projects

Mark Assignment system for Technical, Financial and Managerial Capabilities:

The Bidders will be evaluated against total score of 100. Weightage factor will be 60% for Technical marks and 40% for Financial. For eligibility to consider financial offer min.60% Tech. Marks.

Name of Bidder:.....

Sl. No.	Details of Technical Proposal	Criteria	Marks	Marks obtained by Bidders				
				1	2	3	4	5
1	Successful Delivery of MSW Processing for years	i. 1 – 4 Years.	10					
		ii. 5 – 7 Years,	20					
		iii.8 Years & above	25					
2	Successful Delivery of number of MSW Processing projects	i. 1 – 4 Nos.	10					
		ii. 5 – 7 Nos,	20					
		iii.8 &above Nos.	25					
3	Experience of MSW Processing TPD Size operational projects under (cumulative)	i. 500 TPD	10					
		ii.1000 TPD	20					
		iii.2000TPD&above	25					
4	Completeness and comprehensive integrated MSW processing proposal	Avg.	10					
		Good	15					
		Very Good	20					
Total			100					

Signature of Evaluation Committee members:

**ANNEXURE-1
Basic Information about Tenderer**

1.	Name of the Company Name/Names of Directors / Partners Directors Name : Designation : Position :	
2.	Professional Qualification of Concerned Official dealing with SWM (For First three subject specialist)	
3.	Name of the authorized person signing the tender and his / her designation	
4.	Place and address of the Business / Office & Administrative Office: Telephone Number : Fax Number : Mobile Number : E- mail ID : <u>Registered Office</u> Telephone Number : Fax Number : E- mail ID : Mobile No. :	
5.	Nature of the Core Business activities	
6.	Name of the Bankers and their full address	
7.	Financial Turnover of the Tenderer/ holding co. during last three financial year	
8.	Net worth of the holding or tendering entity	
9.	Amount of Solvency Certificate which the tenderer holds (attach the copy issued by the bank during last 6 months)	

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10.	<p>Has the tenderer or his partner or Directors have been involved in litigation and non performance of MSW project execution, commissioning or O & M</p> <p>If, yes give complete details on separate sheet and affidavit on Rs100/- stamp paper</p>	
11.	<p>List of Technical & Scientific Staff</p>	
12.	<p>Is there any other Company firm involved as consortium member–</p> <p>if, yes give full details with the clear roles/responsibility</p>	
13.	<p>Is the applicant firm is an SPV.</p> <p>Give details of holding firms with percentage of equity</p>	
14.	<p>Are you executing MSW Processing & Projects in Major Cities</p> <p>Pl. give location wise TPD and Status</p>	<p>Location TPD Date of Award Status now</p>
15.	<p>In your Processing Project execution to what extent problem of MSW has been solved in a given city where you have implemented the said project.</p>	
16.	<p>List of Completed Projects and Performance certificates from relevant project owners / and competent authorities</p>	
17.	<p>List of current Processing Projects jobs in hand on BOOT/EPC/PPP basis(Pl.specify investment% by your firm)</p> <p>[Pl. do not fill this column for SLF and un-recognised technologies)</p>	

ANNEXURE-2

Company Details

***PI fill this form for all the participating members of consortium.**

1.	Name of the Company :	
2.	Address :	
3.	Chief Responsible Person	
4.	Telephone No. :	
5.	Fax No. :	
6.	E-mail	
7.	Status :	
8.	Date of Incorporation :	
9.	Date of starting Business :	
10.	Registration and empanelling :	
11.	Field of Professional Expertise :	
12.	Total experience in providing Project in related Fields :	
13.	Total number of Assignments completed in Last 5 years :	
14.	Total number of Assignments in hand :	

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15.	Total number of key personnel:	
	(a) Professionals – Senior level:	
	(b) Professionals – Middle level:	
	(c) Professionals – Junior level:	

16. Annual Financial turn over (Rs Lacs)

Year	Turnover(Rs. in Lacs)	Net Profit or Loss(-) (Rs. In Lacs)
2010 – 11(Target)		
2009 – 10		
2008 – 09		
2007 – 08		

Please enclose Balance sheets and Auditor's Certificate regarding above .

ANNEXURE-3

Technological Proposal

DESCRIPTION OF METHODOLOGY

Please describe in detail regarding the basis of proposal indicating combination of technologies such as:

- i. Integrated Technology of Compost + RDF + inert recycling
- ii. Composting + RDF
- iii. RDF Technology
- iv. Composting Technology
- v. Any other New Technology if tested and proven under Indian conditions with atleast 50 TPD MSW capacity.(If new technology, then status of approval from CPCB/GOI)

Note: Pl. Give clear description of proposal so that appropriateness of technology can be ascertained to solve the City's MSW problem.

Pl. provide stepwise process flow chart, mass balance material recoveries and time cycles for each process component by making use of following assumptions:

- Total MSW as of Current level (2011): 250 TPD
- Processing activity on single shift basis
- Maximum quantity going to SLF is restricted to 20%
- Waste receiving and treatment on all the year round basis
- Processing facility working 240 to 280 days/year
- Land area available at one location is 10.00ha

ANALYSIS FOR COMPOSITION OF NANDED'S MSW:

Only compostable waste (As per NWCMC analysis, Bidders need to confirm the same on their own)

Sr.No.	Waste Stream	% age Content
A.	Short term biodegradables	
I	Leafy matter, peels of fruits, vegetables, flowers, food residues	41.25
Ii	Dry grassy materials	4.60
Iii	Fish, meat, poultry bones, shells	2.10
Iv	Tree twigs	3.95
Sub Total (A):		51.90

Compostable or combustible waste

B.	Long term degradables / combustibles	
I	Soft Paper, newspaper, tissue paper	2.10
Ii	Corrugated boxes, Paper Products	5.60
Iii	Coir & woody materials	3.20
Iv	Cotton, Jute, rags	4.30
Sub Total (B):		15.20
Total short term & long term biodegradables (A + B):		67.10

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Recyclable wastes

C.	Recyclables	
I	Synthetic, Textiles	4.15
Ii	Plastic Products of all kinds	7.30
Iii	Metals(Fe, Tin, Al)	1.00
Iv	Glass	0.300
Sub Total (C):		12.75

Miscellaneous wastes

D.	Other Wastes	
I	Soil, Bricks, Stones, Debris	14.35
Ii	Diapers, Sanitary Napkins	2.50
Iii	Miscellaneous items	3.30
Sub Total (D):		20.15
Grand Total (A + B + C + D):		100.00

ANNEXURE-4

EXPERIENCE IN PREPARATION OF DESIGNS & DRAWINGS

(a) FOR MSW PROCESSING PLANTS

Sr. No.	Name of Consortium Member	Work done for MSW cap.	Project Cost	Project is completed in time or is under litigation – yes/no and reason	Remarks Whether the work has resulted in project execution
b	For Sanitary land Fill				

ANNEXURE-5

Experience of Project execution

**LIST OF THE MSW PROCESSING PROJECTS EXECUTED DURING LAST 5 YEARS
FROM NOW**

Sr. No.	Name of the work and ownership of the project	Pr. cost Size in msw TPD and cost Rs.Lacs	Date of award	Date of Commissioning	Mode of Project delivery BOOT/ PPP/ EPC Turnkey	MSW used for compost-for RDF-for SLF		
						Comp.	RDF	SLF

ANNEXURE-6

EXPERIENCE IN OPERATION & MAINTANANCE OF MSW PROCESSING AND SLF

*** PI submit this for the concerned consortium member**

Sr. No.	Name of Member including consortium member	Name of the Work	No. of Months of O&M	Remarks on performance and achievable objectives
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

PI. mention MSW quantities as per original project agreement and the Av.quantities received and processed during last 12 months.

ANNEXURE 7

Work accomplishment certificates

Information regarding work completion and credentials

Sr. No.	Name of the Contract	Year of Contract	Project Ownership	Certificate Sr.No. & issuing authority
1				
2				
3				
4				
5				

Note: Pl. enclose Project award and job completion as well as performance Status certificates

ANNEXURE-8

QUANTITY OF PRODUCT RECOVERIES AND REMENANTS GOING TO SLF FROM THE COMPLETED PROJECTS

Pl. give gist of key assignments clearly mentioning the problem solving ability as per practical experience. Lessons learned and corrective measures undertaken/proposed so as to maximize recoveries of usable products and minimise SLF requirement quantities.

Annexure-9

Marketing Arrangements for sale of Compost (If any)

Sl. No.	Name of Marketeer own firm or third party	Arrangement Period		Quantity of products (MT)	Sales Revenue (Rs.Lacs)
		Date	Month Year to Date Month Year		
	TOTAL				

Note:

- i. In case of own firm pl. mention the sales & distribution set up already available/proposed
- ii. In case of third party marketer, pl. provide details of party's set up, annual sales turnover from Agri. Inputs only and marketing tie-up agreement with such marketer having sales turnover of min.Rs25.00Cr
- iii. Certificate or letter of assurance from brokers or middle man is not acceptable.
- iv. In case of alternative technology provide the other relevant details.

ANNEXURE-10

Marketing arrangement or tie-up for sale of R.D.F. (If any)

Sl. No.	Name of Firm/own third marketer direct users or party or	Period		Quantity MT	Sales Revenue (Rs. Lacs)
		Date Month Year to	Date Month Year		
	TOTAL				

- Note: 1- Pl. Give details of product user industry who are using RDF on regular basis
 2- Pl. Enclose tie-up /MOU.
 3- Pl. Enclose prominent purchase orders.
 4 - In case of alternative technology provide the other relevant details.

ANNEXURE-11

Your calculations for Sustainability of the project through assured revenue streams from recovered products

Sr.No.	Name of products	Yearly Product Qty	Rate Rs / unit	Revenue Lacs	Rs
01	Compost				
02	Fuel Pellets/RDF				
03	Construction material				
04	Plastic				
05	Tipping Fee charged on ... component				
06	Any other component				
	TOTAL				

***Note:-1) Pl. provide the information for the project under tendering.**

2) The above information should be further substantiated from the actual operating data of similar project executed by you during the past 5 years.

3). In case of alternate technology, provide details of revenue streams expected for sustainability of the project.

ANNEXURE-12

List of Key Personnel available for Specific Jobs

Sr. No.	Name	Qualification	Field of expertise	Description of Specific Job to be allotted	Years of experience

ANNEXURE-13

LIST OF LABORATORY EQUIPMENTS, GLASS WARE AND CHEMICALS FOR CARRYING OUT Q.C. WORK (In case of Composting option)

For compost testing:

Sr. No.	Description	Make	Capacity / size	No. of units	Approx. Cost

For RDF/ Fuel testing:

**For construction material testing:
(In case of alternative technology, attach sheet for required testing parameters and equipment)**

ANNEXURE-14

Key Cost Elements for Biocomposting and RDF recovered from MSW
Please provide cost per tonne of recovered products, Alternatively cost per tonne of MSW and conversion ratio of msw to processed product

Item	From Mixed MSW recovery %		Cost assigned to compost	Cost assigned to RDF
	A, Compost	B. RDF	Amount Rs (%)	Amount Rs (%)
Diesel				
Electricity				
Packing bags				
Direct Labour				
Treatment materials				
Repairs				
Fixed overheads				
Interest & depreciation				
Miscellaneous				
Total				

1. Total cost of compost (Final product) = -----Rs / MT or per tonne of msw Rs.....
2. Total cost of RDF (Final product) = -----Rs. / MT or per tonne of msw Rs.....
3. Sale Price on exfactory level for compost.....Rs/MT
 For RDF.....Rs/MT

***Note: If you are submitting proposal for waste to electricity or any other technology, please describe in detail the input –out ratios and recoveries with costing details.**

ANNEXURE-15

Information regarding litigations

1- Litigation – regarding any work order from ULB/State Govt.

Sr. No.	Name of the Contract and project owner	Year of Contract	Nature of Litigation	Outcome
1				
2				
3				
4				
5				

(Submission of Affidavit on Rs100/-Stamp paper is required)

Specific to MSW Handling and/or Processing Projects

2- Were you ever required to suspend the assigned project work for period of more than 3 months continuously after you started?

If so give the names of projects and reasons.

3- Have delayed execution of any msw Processing assignment is prescribed Period

- Delay upto 6 months
- 12 months
 - 18 months
 - 24 months
 - >24 months

(If so, give name of project and reasons for not completing the work)

4- In how many of your msw handling/processing projects. Showcause notices have been issued for breach of contract

5. Is there any project where State PCB has issued Stop work order due to pollution problem or Failure of Technology.

Pl. provide details

6. Have you been able to solve the problem If yes can you produce satisfaction letter from Competent authority.

ANNEXURE- 16

**ADDITIONAL INFORMATION TO JUSTIFY THE REASON TO AWARD
PROJECT TO YOUR ORGANISATION**

INSTRUCTIONS TO BIDDERS:

Clearances from regulatory bodies.

1. All clearance from each regulatory bodies required for the work is to be taken by the bidder.

2. The scope of work shall include but not limited to the following:-

To survey, prepare contour layout plant of interval 1.0M., plan the project, design, build, own, operate, maintain the integrated Municipal Solid Waste Management Facility consisting of the following:-

(i) Establishing an integrated processing facility to process Municipal Solid Waste (MSW) using aerobic composting along with other suitable methods such as production of RDF from dry recyclables, CC bricks block so as to restrict reject going to SLF within 20% limit or any other technology.

(ii) Operation and maintenance of the processing plant disposal of inerts & rejects in accordance with the MSW Rules 2000.

(iv) To ensure that the Project is able to Process & and handle entire MSW generated in the city with yearly incremental quantities.

(v) To ensure that the Project meets stipulated pollution norms and guidelines and the MSW is handled and managed in compliance with the MSW (Handling and Management) Rules 2000 and the guidelines of the manual of Solid Waste Management published by CPHEEO, Govt. of India.

vi) Installation of Facility within a period of 12 months followed by Trial run for three months & then Maintenance of entire facility up to the end of 30 th year.

vii) Bidder will provide all other consumable materials and required staff for operation and maintenance. The charges for power & water required during construction and testing period will be borne by the contractor. The contractors are requested to make necessary arrangements.

viii) Carrying out the job as per designs & drawings, Technical specification/catalogue approved by ULB or their Consultants etc.

ix) Supply of as built drawings after completion with verification by ULB's Consultants to the ULB.

3. (i) Contractors / Bidders shall carefully examine the Tender documents and fully converse themselves about all the conditions and matters, which may in any way, affect the work or the cost thereof. If the contractor / bidder finds discrepancies or omission in the specifications or other documents or should he be in doubt as to their meaning, he may discuss with the o/o Commissioner during office hours on any working day before submitting his bid.

(ii) At any time prior to the deadline for submission of Bids, the Commissioner may, for any reason, whether at his own initiative or in response to clarification requested by prospective contractor / bidder modify the tender document.

(iii) In order to afford prospective contractor / bidder's reasonable time in which to take such Addenda into account in preparing their bids, the Commissioner may at his discretion extend the deadline for the submission of Bids.

(iv) No alteration whatsoever be made in the text of the Bid form, by the contractor / bidder. Any remark / deviation or explanation should be sent in a covering letter. The contract form of agreement is bound up with other documents so that the contract/bidder may know what their liability and duties are and the entire Bid form should be submitted to the Commissioner while submitting the Bid.

(v) The Bid prepared by the contractor / bidder and all the correspondence and documents relating to the Bid exchanged by the contractor / bidder and the Commissioner shall be written in English language. Supporting documents and printed literature furnished by the contractor / bidder with his Bid may be in another language provided they are accompanied by an appropriate translation of the same into English language. The failure to comply with this condition may cause rejection. For the purpose of interpretation of the bid, the text in the English language shall prevail.

(vi) No conditional Tender bid will be acceptable.

(vii) The unit rates and prices shall be quoted by the Contractor/Bidder entirely in Indian Rupees. All payments to the successful Contractor/Bidder under the proposed contract shall be made entirely in Indian Rupees (Rs.).

(viii) Bidders are advised to note that the prices quoted by them are Fixed Lump Sum basis and No claim what so ever during execution of works shall be entertained for price escalation.

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Exception can be made as per requirement of ULB and accordingly price adjustment as per the increase or decrease in the scope of work.

(ix) No interest shall be paid on Earnest Money/Security Deposit.

(x) In exceptional circumstances, prior to expiry of the original Bid validity period, the Commissioner may request the Contractor/Bidder for a specified extension in the period of validity. The request and the response there-to shall be made in writing. A Contractor/Bidder agreeing to the request will not be permitted to modify his bid on his own but will be required to extend the validity of his Bid and Bid Security correspondingly. The provision regarding discharge and forfeiture of bid security shall continuously apply during the extended period of bid validity.

(xi) If the Bid is made by a limited company or a limited corporation, it shall be signed by a duly authorized person holding the authorization letter/power of Attorney for signing the Bid in which case a certified copy of the Power of Attorney shall accompany the Bid.

(xii) All witnesses and sureties shall be persons of status and probity and their full names, occupations and addresses shall be stated below their signatures.

(xiii) To assist him in the examination, evaluation, and comparison of Bids, the Commissioner may ask Bidders individually for clarification of their Bids including breakdown of unit rates/prices. The request for clarification and the response shall be in the writing, but no change in the prices or substance shall be sought, offered or permitted on Contractor/Bidder's desire except as required to confirm the correction of arithmetical errors discovered by the General Manager during the evaluation of Bids.

5. The Tender documents shall be submitted through e-tendering and hard copies plus one original one duplicate in person at the time of Tender opening.

Commissioner reserves the right to reject any or all of the tender/bid, without assigning any reason whatsoever and his decision shall be final and binding. No Contractor / Bidder shall have any claim arising out of such action.

7. Contractor/Bidders are advised to visit and examine- the site where the works are to be carried out and its surrounding and obtain for themselves on their own responsibility all information and satisfy himself with prior arrangement as to the conditions prevalent there with respect to execution of works as per the scope of work. No claim, whatsoever on any accounts shall be entertained by the Commissioner in any circumstances.

8. Bidder is expected to examine all instructions, forms, terms, clauses, Commissioner requirements and other information in the Tender Documents. Failure to furnish all information as required in the tender document or submission of bid not substantially to the tender documents in every respect will be at the Contractor/ Bidder's risk and may result in rejection of the bid.

9. Total security deposit / Performance guarantee is lump sum of Rs 50.00 lacs.

10. Performance Guarantee: The successful Tenderer to whom the award is made shall furnish a Security Deposit for an amount of Rs 50.00 lacs as bank guarantee from Nationalized or scheduled bank.

11. The offer shall remain open for Acceptance for a period of 180 days from the date of opening of the Technical Bid. The earnest money shall be forfeited if the Tenderer/Contractor withdraws or modifies his offer within the validity period at his own or fails to sign the (Formal Contract) agreement within 30 days from acceptance of his offer. After the forfeiture of earnest money, the contract shall be immediately nullified.

12. Bids determined to be substantially responsive will be checked by the tender committee for any arithmetical errors in computation and submission. Error will be corrected by the above committee. Where there is a discrepancy between amount in figures and in words, the figure in words will be considered.

13. On acceptance of the tender, the contractor shall either himself remain available at site of work or arrange the availability of an accredited representative (legally authorized in writing) at the site of work to receive instructions from the Engineer-in-charge or his representative and to ensure prompt compliance thereof.

14. In case of a partnership/joint venture/consortium of 4 firms, the lead Partner is to quote, sign the agreement, receive all payment, take responsibility of executing work as per the contract and offer all guarantees etc. It is further stipulated that all members of partnership/ joint venture/ consortium are jointly and severally responsible for completing the project.

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The constituents of partnership/ joint venture/ consortium of pre qualified parties shall not be changed.

15. *The tender should also be accompanied by a letter of association/ MOU/ JV/SPV arrangement with the associates of the lead bidder expressing their willingness to undertake the work entrusted to them and to stand guarantee for the same.*

16. The work should be completed in all respects within 12 (twelve) months from the date of issue of work order/ date of agreement/ date of final go ahead whichever is later.

17. After award of the contract, should it appear to the department that:

1. The successful Tenderer is not executing the order in accordance with the contract.

2. The successful Tenderer is not adhering to the phased program as agreed to or that successful Tenderer is not proceeding fast enough to ensure the completion of the work by the time stipulated in the order or that such time has already expired.

3. The successful Tenderer has refused to carry out the reasonable instruction of the authorized representatives of the department.

4. The successful Tenderer has committed any other breach of the contract.

18. The department may at the expense of the successful Tenderer and without prejudice to any other right of the department,

a. Perform itself such portion of the work as the successful tender has failed to execute at the cost of the Tenderer.

b. Take the order wholly or in part of the successful tenderer's hands and re-contract to any other person(s) or

c. Cancel the order. The department shall not be liable for any loss to the successful Tenderer as a result of such action of the department. The successful Tenderer shall indemnify the department against all losses/damages suffered by the department and all liabilities imposed on the department as a result of default of the successful Tenderer. The decision of the department in this regard shall be final and binding on the successful Tenderer.

19. The Officer-in-Charge does not bind himself to accept the lowest rate or any tender. The Engineer-in-Charge reserves to himself, the right of accepting the whole or part of the tender and Tenderer/ Contractor shall be bound to perform the same at the accepted rates.

20. Trade tax or any other tax on the material or the turnover prevailing at the time of execution or preparation of contract bond shall be payable by the contractor and Commissioner will not entertain any claim in this respect except in case of octroi.

21. The contractor shall comply with the provision of the Apprentices Act 1961, minimum wages Act 1948, Workmen's compensation Act 1923, contract labour (Regulation and Abolition Act 1970), payment of wages Act 1936 Employer's liability Act 1938 Maternity Benefits Act 1961 and the Industrial Disputes Act 1947 as applicable or all relevant act prevailing during the agreement period and the rules and regulations all amendments issued there under from time to time. Failure to do so shall amount breach of the contract and the Engineer-in-charge may at his discretion to terminate the contract. The contractor shall also be liable for any pecuniary loss liability arising on account of violation by him of the provision of the Act.

22. The Tenderer/Contractor shall bear all costs associated with the preparation and submission of his tender and the department shall in no case be liable for these costs.

23. Unless otherwise stated, the contract shall be for the whole work as described in the "Scope of Work" and the approved drawings. The contractor shall be bound to complete the whole work as described in the scope of works and the approved drawings, including the additional items if any, as per drawings and instructions. The certificate of completion as issued by the Engineer-in-charge shall be the conclusive proof of completion of work.

24. The tender shall be typed or written in ink and shall be signed by the Tenderer/Contractor or a person or persons duly authorized to sign on behalf of the Tenderer/Contractor. He shall sign all pages of the tender documents containing the entries and all corrections made there in.

25. Incomplete tenders or tenders not fulfilling any of the conditions specified above are liable to be rejected without assigning any reason.

26. Specific reference in the specification to any material by trade name or catalogue number shall be construed as establishing a standard of quality and the performance. Contractor/Bidders may procure any other product if the specified brand names are not available subject to approval of Engineer-in-charge.

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27. Whenever required under Government regulations, it shall be incumbent on the successful Contractor! Bidder to pay stamp duty on the contract agreement, as per prevailing rate and government ruling on the date of execution of the contract agreement.
28. Within 30 days of the acceptance letter is issued to the Contractor/Bidder, he will submit to the Officer-in-charge complete design, drawing and relevant documents along with his program to complete the works in the form of a Pert Chart for review of the Officer-in-Charge and make suggested modification before his approval of the same. The approved pert chart shall be diligently and strictly followed with a view to complete the works as per schedule. The progress & planning of works shall be reviewed from time to time and he may modify the same depending upon the exigencies of the work and stage of the works.
29. Contractor / Bidder is advised to read carefully all chapters and give complete information regarding his proposals, substantiating the same with calculations, drawings literature, with clear reference to any standards adopted (which are not mentioned in the tender), in such manner that there is no ambiguity or nothing is left to chance. All relevant information, so as to make the proposal understandable shall be 'given. Vague remarks and remarks like "will be given later" are not acceptable. If in the opinion of the Engineer-in-charge, the proposal is grossly incomplete, this will form sufficient reason for complete rejection of the tender on technical grounds.
30. Contractor/Bidder shall note that this is a Lumpsum Price/ Turnkey tender. The Contractor/Bidder shall give rate for **complete work and also give unit-wise/subunit wise rate just to facilitate schedule of payments.** However, his proposal is subject to scrutiny and approval. He shall therefore take utmost precaution to offer very standard equipment manufactured by only reputed manufacturers (the same shall be offered subject to the approval of Officer in Charge). No claim, case or litigation measures will be adjusted by the bidding companies in this req. and since the objective is to establish processing treatment project in the interest of public nature and environment.
31. Income tax shall be recoverable from the bills of the contractor as per the provisions of Income Tax act and Rules. Work Contract Tax and all other taxes, duties, etc., applicable on this work shall be to the successful tenderer's account and the ULB/ Commissioner shall be in no way liable for any such items.
32. All materials and workmanship shall be of best quality conforming to latest IS Codes and Hy. PWD Specifications. The materials brought to work are subject to inspection by the department's representative and only the approved materials shall be used. No work shall be covered up or put out of view without the approval of the department's representative and the successful Tenderer shall afford full opportunities and facilities for the department's representatives to examine and measure the work.
33. From the commencement to the completion of the work the successful Tenderer shall take full responsibility for all losses and damages if any, suffered to works, men or materials. In case of any damages, loss or injury happen to the works or to any part thereof or to any temporary works from any cause whatsoever the successful Tenderer shall at its own cost repair and make good and in conformity in every respect with the requirement of the order.
34. The successful Tenderer shall comply in all respects with the provisions of any statute, ordinance, law, rules, regulations or bylaw of any local or other duly constituted authorities, etc., which may be applicable to the work. The successful tenderer shall comply with the provisions of contract Labor abolition Act.
35. The successful Tenderer shall pay all taxes, duties, levies, royalties, rent and other payment or compensation, if any, for getting stone, sand, gravel or other materials required for successful completion of works.
36. The successful Tenderer shall be responsible for the good conduct, competence, proper and prompt performance of the laborers employed by him.
37. In respect of all labor directly or indirectly employed on the works, the successful tenderer shall comply with all rules and regulations of Government or other local authorities.
38. Wherever possible materials dismantled and re-usable shall be used by the successful tenderer and the value of such item shall be recovered from the bills of the contractor at the prevailing rates and the decision of the department in this regard shall be final and binding on the successful tender.

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39. He shall also comply with requirements of all statutes; regulation of state while doing execution of work. He shall also follow the provision of contract labour (Regulation and abolishing) Act 1970 and all amendments there on before commencement of the work. In case the contractor engage more than 20 workers, he should obtain a license as required under the Contract Labour (regulation and Abolishing) Act-1970.He shall comply with the safety regulations.
40. The workers engaged by the tenderer shall be covered under the Employee's State Insurance Act and Employees Provident Fund and miscellaneous provision Act.
41. All questions, disputes or differences arising under, out of or in connection with this tender shall be decided by the Commissioner and his decision shall be final and binding.
42. One set of drawings and all other documents relating to the works under contact shall be kept in the site office and made readily available for discussions, examinations of the Engineer or his representatives along with the testing equipment and machinery.
43. On completion of work, the contractor shall submit two sets of as built drawings and soft copy of the drawings on the compact disc (CD).
44. Electric connection or generator set required during execution of work shall be arranged by the Contractor/Bidder at his own cost.
45. Water required for, drinking shall be arranged by the operator.
46. If the equipment supplied by the contractor does not fulfill the requirement of the relevant department and rules, then the same shall be replaced by the contractor at his own cost as per the new requirement.
47. Site office for the Project Management shall be constructed by the contractor/bidder at his own cost.

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OTHER DETAILS

MSW GENERATION AND PROJECTIONS

Projected quantities of MSW after merger of Taroda in NWCMC (2010 to 2041) (Only projections, these may change in future)

Sr. No.	Year	Population	MSW-TPD	MSW - MT/Yr
01	2001 census	430733	146.45	53454
02	2005 –study	503897	174.85	63820
03	2007 –study	545015	185.21	67601
04	2010 –study	613068	217.02	79212
05	2010 with merger of Taroda	706220	250.00	91250
06	2011 - Project exec Year	734468	260.00	94900
07	2012 - Project population-1 st Year	763847	270.40	98696
08	2013 - Project population-2 nd Year	794401	281.21	102641
09	2014 - Project population- 3 rd Year	826177	292.47	106751
10	2015 - Project population-4 th Year	859224	304.16	111018
11	2016 - Project population-5 th Year	893593	316.33	115460
12	2017 - Project population-6 th Year	929337	328.98	120077
13	2018 - Project population-7 th Year	966510	342.14	124881
14	2019 - Project population- 8 th Year	1005171	355.83	129878
15	2020 - Project population- 9 th Year	1045378	370.06	135071
16	2021 - Project population- 10 th Year	1087193	384.86	140474
17	2022 - Project population- 11 th Year	1130681	400.26	146095
18	2023 - Project population- 12 th Year	1175908	416.27	151938
19	2024 - Project population- 13 th Year	1222944	432.93	158019
20	2025 - Project population- 14 th Year	1271862	450.24	164337
21	2026 - Project population- 15 th Year	1322736	468.25	170911
22	2027 - Project population- 16 th Year	1375646	486.98	177747
23	2028 - Project population- 17 th Year	1430672	506.46	184857
24	2029 - Project population- 18 th Year	1487899	526.72	192252
25	2030 - Project population- 19 th Year	1547415	547.78	199939
26	2031 - Project population- 20 th Year	1609311	569.70	207940
27	2032 - Project population- 21 st Year	1665636	589.63	215214
28	2033 - Project population- 22 nd Year	1723934	610.27	222748
29	2034 - Project population- 23 rd Year	1784272	631.63	230545
30	2035 - Project population-24 th Year	1846721	653.74	238615
31	2036 - Project population-25 th Year	1911356	676.62	246967
32	2037 - Project population-26 th Year	1978254	700.30	255609
33	2038 - Project population-27 th Year	2047490	724.81	264555
34	2039 - Project population-28 th Year	2119155	750.18	273815
35	2040 - Project population-29 th Year	2193325	776.44	283400
36	2041 - Project population-30 th Year	2270092	803.61	293317

Note: MSW quantity of 250.00 MT / day (2010) has been considered for planning of MSW handling and processing. This will hold good even for the year 2013.14 in view of I.E.C activities being under taken by NWCMC towards 3 Rs.

DECLARATION

BY

CONTRACTOR

DECLARATION BY TENDERER: (On Company letterhead)

I/We have read the general and special conditions of the contract which are appended to the Bid and I/we agree to the conditions laid therein if the contract is awarded to me/us.

1. I/We have also read the specifications, studied the preliminary engineering drawings, and understood the scope of work included in the Bid and to be executed by us.
2. I/We have visited the site of work and am/are well acquainted with the local practices, availability of the materials and labour and their prevailing market rates.
3. I/We agree to abide by the departmental rules regarding deductions made in the bills like income tax, sales tax, security deposits and cost of materials issued by the department. Etc
4. I/We shall not ask for revision of rates due to any escalation in rates of materials or labour in the rates quoted by me/us in this offer through out the period of construction and completion of the works.
5. I/We undertake to complete the work and hand-over the same within the stipulated/allotted time for the completion of the work in good workmanlike manner.
6. The Price Offer is valid for a period of 180 days from the date of opening of tender i.e. technical bid.
7. I/We stand guarantee for the rectification of the defects in the work if any to the full satisfaction of the Engineer-in-Charge as per clauses of agreement.
8. I/We have no doubts or un-cleared ambiguities regarding the specifications, details in the preliminary engineering drawings, scope of the work, and have fully understood our responsibilities in executing and completing the work to the full satisfaction of the Commissioner
9. I/We have based our Bid rates having the full knowledge of the statement and facts.
10. I/We agree to the NIT provisions and there is No Deviation offered in our bids from the NIT.

Place : _____

Date : _____

Address : _____

Signature: _____

Name: _____

Designation:

Co. seal:

Witness :

Name : _____

Address : _____

ENVELOPE-2: SEALED COVER

FINANCIAL BID

(TO BE SUBMITTED IN SEPARATE SEALED ENVELOP -2)

	FOR PACKAGE (Processing and O & M) Including SLF
TENDER NO.	
Subject	
Name of Tenderer	
Address of Tenderer	
Name of the Signatory	
His Or Her Position	

FINANCIAL BID (On Company letterhead)

To,

**THE COMMISSIONER
Nanded Waghala City Municipal Corporation
Nanded (MS)**

Sub: Setting up of Integrated MSW Processing and disposal facility

Ref: Tender Notice No NWCMC..... of/...../09

Sir,

I / We declare:

- i that I / We/ am / are experienced in execution of MSW processing treatment project followed by their O & M.
 - ii that I / We will install adequate infrastructural facilities in terms of civil work, machineries sheds, structural work, manpower, machineries and equipments and that our establishment will be open for inspection by the representatives of ULB.
2. I / we hereby submit the technical proposal, EMD and Price quotation as per the Financial bid.

3. PERIOD OF DELIVERY

I / we do hereby undertake, that, in the event of acceptance of our bid, the services shall be provided as per Terms & Conditions given in the Tender.

4. I / We agree to abide by our offer for a period of 180 days from the date of opening of Tender and that we shall remain bound by a communication of acceptance within that time.
5. I / We have carefully read and understood the terms and conditions of the tender and the conditions of the contract applicable to the tender and I / we do hereby undertake to provide services as per these terms & conditions. The financial deviations are only those mentioned in Annexure.
6. Certified that the Tenderer is a registered firm under Indian Companies Act and the person signing the tender is the authorised person/director/manager of the firm
7. Scanned copy of DD towards Bid Security (Earnest Money) for Rs10, 00,000.00(Rupees Ten lacs only) is enclosed along with the Technical Proposal and the original DD will be submitted at the time of tender opening.
8. I / We do hereby undertake, that, until a formal contract is prepared and executed, this bid together with your written acceptance thereof and placement of letter of intent awarding the contract, shall constitute a binding contract between us.
9. I / We do hereby undertake that shortfall / deficit finance for the complete turnkey project delivery with the guaranteed trial runs will be borne by us which could be to the

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maximum extent of ----- % over and above the declared grant in component of the project cost.

10. In the event of such case, the ULB will allow our O & M contract for the period of 30 years inclusive of Installation period.
11. This is expressly understood that sales and marketing of the recovered products will be our responsibility and benefit derived from this activity will be to us , towards cost compensation mechanism.

Date:

Signature of Tenderer: -----

Name: -----

Designation -----

Seal:

Place: -----

Date: -----

Financial Bid / Price schedule (On Tenderers Letter head)

Ref.No. -----

Date:-----

To
The Commissioner
Nanded Waghala City Municipal Corporation
Nanded (MS)

Sub: Financial offer / Price bid for Turnkey MSW processing and SLF
Project at Nanded

Ref: Tender Notice No. NWCMC/ SWM Proc / 2011 / ----- Dated --- Feb 2011

Dear Sir,

In response to the above, we hereby submit our Price bid / financial offer for the above referred Project.

We have considered planning, supply and installation of MSW processing plant machineries, equipments for initial quantity of 250 MT / day MSW with incremental quantities for 30 years along with construction of SLF and O & M of both components.

For this, our estimated capital cost works out to be –

Rs _____ lacs (first phase of 10 years)

Rs _____ lacs (second phase of 11-20 years)

Rs _____ lacs (third phase of 21-30 years)

Total: Rs _____ lacs

- A. After considering Rs 1000.00 lacs as grant-in-aid component from NWCMC in three equal installments in next three years from the date of commissioning of project (Rs. 3 Cr. within one month of commissioning of plant, Rs. 3 Cr in thirteenth month from the date of commissioning, Rs.2 Cr in twenty-fifth month and Rs. 2 Cr in thirty sixth month from the date of commissioning of the plant, we will charge towards O & M of Processing facility plus construction and O & M of SLF, we will charge you @ Rs _____ per MT of MSW / we will not charge anything to you.
- B. We will charge escalation of O & M charges @ Rs _____ percent per year starting from 2 nd year of operations / we will not charge anything
- C. We are willing to share with NWCMC 50 % of the subsequent grant-in-aid component / if and as and when available from other sources including CDM benefits.(This component will not be considered in Financial bid evaluation)

**MSW Integrated Processing Facility
(In case of composting technology)
(In case of other technology, provide the relevant details)**

Schedule 1:

1. Basic Infrastructure facilities for SWM facility: (Approx.)

Sr No	Item of expenditure	Unit	Required Qty	Unit rate Rs	Amount Rs (Lacs)
1	Boundary wall	r.m.	2329		
2	Connecting road (Lumpsum) Bidders need to access the same				
3	Weigh bridge cap 30 T	Nos	1		
4	Gate control with computer & security (sets)	Unit	1		
5	Storm water drainage system & Leachate collection drains	r.m.	1240		
6	Water sourcing & distribution	Cu.m	40		
7	Workers rest room, creche, toilets	Sq M	100		
08	Office and amenities (As per requirement of bidder. Bidder need to access the same before quoting)				
09	Green belt	Sq M	5000		

Schedule 2:

2. Waste Receiving Arrangements (Approx.)

No.	Item of expenditure	Unit	Required Qty	Unit rate Rs	Amount Rs (Lacs)
1	Waste receiving ramp	Sq M	500		
2	Tipping floor with partial shed	Sq M	1000		
3	Material lifting EOT crane/ Pay loader	No	1		
4	Covered Shed	Sq M	750		
5	Up front segregation unit	No	1		

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Schedule 3:

3. Civil & Infrastructure requirement for Composting Unit (Approx)

No	Item of expenditure	Unit	Required Qty	Unit rate Rs	Amount Rs (Lacs)
1	Tipping floor	Sq M	1500		
2	Concreted composting pad	Sq M	12000		
3	Foundations for monsoon shed	No.	100		
4	Monsoon shed	Sq M	2000		
5	Foundation for machines shed (As per bidder design requirement)				
6	Machine shed (As per bidder design requirement)				
7	Foundation for refinement floor (As per bidder design requirement)				
8	Refinement floor	Sq M	150		
9	Product storage godowns	Sq M	300		

Schedule 4:

4. Compost Processing facilities including automobiles: (Approx)

Sr No	Item of expenditure	Set	Required Qty	Unit rate Rs (Lacs)	Amount Rs (Lacs)
1	Compost refining system in 4 stages	1	20 TPH		
2	Pay loader model with back hoe bucket		2		
3	Turning and aeration machine with Tractor		1		
4	Bobcat / skid loader		1		
5	Dumper trucks for refuse handling		1		
6	Tractors of 45 HP		3		
7	Tipper trolleys for inerts & refuse handling		6		
8	Spray tanker with acce.		2		
9	Q.C. Lab accessories, glassware etc.		Set		

Schedule 5:

5. Processing of High C.V. recyclables into RDF (Approx)

Sr. No	Item of expenditure	Unit	Required qty	Unit rate Rs	Amount Rs (Lacs)
1	Platform for waste stocking	Sq M	1000.00		
2	Drying area	Sq M	500		
3	Shed for RDF machines	Sq M	450		
4	Finished product godown	Sq M	300		
5	Firefighting, hydrants, arrangements, water storage tank		As reqd.		

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Schedule 6:

6. Plant machinery for processing & conditioning of dry recyclables into RDF Production. (Approx.)

Sr. No.	Description of Machine	Electrical Load Required	Quantity	Amount Rs (Lacs)
1	Feed Conveyor	5 HP	2	
2	Inclined Belt Conveyor	5 HP	2	
3	Destoner	10 HP	1	
4	Vibro Sieve	5 HP	1	
5	Destoner under conveyor	5 HP	1	
6	Conveyor to Pre-Crusher	5 HP	1	
7	Primary Crusher	30 HP	1	
8	Conveyor to Secondary Crusher	5 HP	1	
9	Magnetic Separator	2HP	1	
10	Secondary Crusher	30 HP	1	
11	Crusher under Conveyor	5 HP	1	
12	Pellet Unit / Bale Press	60 HP	1	
13	Electrification	Est.	As req.	
14	E. O. T Crane	20 MT	1	

Schedule 7: Power connection: (Approx.)

No.	Item of expenditure	Unit	Required Qty	Unit rate Rs	Amount Rs (Lacs)
1	Electricals power connection, transformer and standby DG sets, power control room, cable trenches civil work for transformer	As per requirement for different segments of facility including lighting of facility and waste stock yards. Not less than 125 KVA.		Est.	

Schedule 8:

Sr.No.	Item of expenditure	Unit	Unit rate Rs / Sq.M.	Amount (Rs lacs)
01	Construction of SLF as per MSW Rules 2000 for disposal of Process remnants for first phase of 5 to 9 years	Approx. required footing area of Sq.M.		

Schedule 9:

Post closure care of O&M:

During the concession period of 30 years under which O&M of MSW processing is to be done by the contractor, simultaneously closer of SLF cells and post closer shall also be done. For the last SLF cell, post closer care during the year 31st to 35th will also be part of responsibility of the project awardee / contractor.

Obligations, role and responsibility of NWCMC:

Towards facilitation of MSW processing & SLF project at Nanded, The NWCMC will provide / facilitate the following:

A. Fiscal Incentive:

1. Rs 10.00 crores (Rs Ten Crores) as grant-in-aid to be released during three years from the date of commissioning of the project.
2. Will allow the project awardee to exploit availability of CDM benefits which will be shared with NWCMC Nanded in equal proportion.

B. Infrastructure:

1. Motorable approach road up to the entrance gate of the processing project facility.
2. Power connection up to the site.
3. Potable water for workers.
4. Permission for bore wells or water use from Nallah, or river.
5. Help in creating green belt and landscaping around the site.

C. Municipal Solid Waste:

1. Will arrange assured delivery of 150 MT / day (plus – minus 50 MT /day) MSW from the date of commencement of processing operations. These will continue as per incremental quantities.
2. Will ensure that biomedical and industrial hazardous waste is not delivered to the processing site.
3. The extent of inerts / construction waste will depend on the progress of segregation at source, education awareness and discipline by the citizens. However, quantity of such waste shall not exceed 20 % of total MSW.
4. Towards improving the quality of recovered products (compost, RDF) the project awardee can get at his own cost additional waste, additives, cattle dung, poultry dropping etc and make use of these at the processing facility.

D. Miscellaneous:

1. The NWCMC will make required land area available for the integrated processing and SLF facility. The land owner ship will remain with NWCMC Nanded only.
2. The allotted land shall not be used for any other purpose except MSW processing and disposal.

Format for Bank guarantee towards security deposit / performance guarantee will be provided at the time of agreement signing.