

e- Bid/ Quotation

FOR

**Name of Work: - Work of providing Consultancy Services for Revamping & up gradation of 15
TPD Biomithanation plant**

e- Bid/ Quotation Document

Website: portal.mcgm.gov.in/quotations
Office of: General Manager (Deonar Abattoir),
Opp. Govandi Rly Station
Govandi, West Mumbai- 400 043

HEADER DATA

Quotation Document No	2025_MCGM_1148367_1
Name of Organization	Municipal Corporation of Greater Mumbai
Subject	Work of providing Consultancy Services for Revamping & up gradation of 15 TPD Biomithanation plant
Tender scrutiny fee	Rs 390/- (Rs. 330 + 18 % GST)
Cost of E-Tender(Estimated Cost)	Not applicable for item rate tender
Bid Security Deposit/ EMD	Rs. 3000/-
Date of issue and sale of tender	11.02.2024 from 16:00Hrs
Last date & time for sale of tender & Receipt of Bid Security Deposit	17.02.2024 upto 16:00Hrs
Submission of Bid (Online)	17.02.2024 upto 16:00Hrs
Pre-Bid Meeting Hrs in office of Asst..Eng.(Maint.)D.A.
Opening of Technical cover	18.02.2024 after16:00Hrs
Opening of Financial cover	20.02.2024 after16:00Hrs.
Address for communication	Office of: General manager (Deonar Abattoir), BMC Opp. Govandi Rly. Station Govandi (W) Mumbai- 400 043
Venue for opening of bid	On line in General manager (Deonar Abattoir) 's office

This tender document is not transferable.

The BMC reserves the rights to accept any of the application or reject any or all the application received for above subject without assigning any reason thereof.

Sd/-
General Manager (Deonar Abattoir)

Brihanmumbai Municipal Corporation
Deonar Abattoir

e-BID/Quotation

Office of the General Manager,
1st Floor, Administration Bldg,
Opp. Govandi Railway Station, Govandi,
Mumbai- 400 043

Sub: e-Bid/Quotation for The **Work of providing Consultancy Services for Revamping & up gradation of 15 TPD Biomethanation plant In Deonar Abattoir**

Gentleman,

The General Manager, Deonar Abattoir, Govandi, on behalf of Municipal Commissioner invites e-Bid/Quotations for the work specified in subject above.

If you have all or any item in stock OR are in capacity to carry out the work then submit the e-bid well in time before the due date. Bidders will be solely responsible, if they try to submit the bid just before due date & time and fail to do so due to their system problems, internet problems, User Id locking etc. The Bid/Quotation need to be submitted on / before specified end date & time and will be opened on specified date & time or thereafter. Bidder's authorized representative/s may present while Bid/Quotation opening when the relevant details will be read out.

SPECIAL INSTRUCTIONS TO BIDDERS PARTICIPATING IN E-BIDDING OF BMC

1. Earnest Money :

Bidder shall pay Earnest Money Deposit (E.M.D.) of **Rs. 3000/-** through <https://mahatenders.gov.in> Portal along with the submission of the bid online.

If during the Bid/Quotation's validity period, the Bidder withdraws his Bid/Quotation, the Earnest Money shall be forfeited and the Bidder may be disqualified from Bid/Quotation/s for further works of the Municipal Corporation of Greater Mumbai.

The successful Bid/Quotation's Earnest Money will be retained till the 2 % security deposit paid by contractor. Security deposit Money will be retained till the DLP period/Maintenance guarantee period of the work.

2. Submission of Bid/Quotation Online :

As BMC switched to E-Bidding, all the references in respect to traditional bidding two packet process like packets technical & financial. All documents that are required to be submitted as part of technical bid need to be uploaded and commercial bid need to be filled online in BOQ excel format.

The document/s available in "*BMC tender documents*" cover of the respective E-Bid/Quotation on <https://mahatenders.gov.in> portal is/are part of Bid/Quotation, unless stated otherwise in the Bid/Quotation document.

All the documents and data submitted by bidder online will be digitally signed by the system by prompting for digital signature certificate .Thus, it is mandatory for the bidders willing to participate in e Bid/Quotation/Biding to procure digital signature certificate . **Bidders should have valid Class III Digital Signature Certificate (DSC) obtained from any licensed Certifying Authorities (CA). Interested Bidders should follow the "Manuals" available on Mahatender Portal (<https://mahatenders.gov.in>)**

The Pre-qualification, technical and commercial bids shall be submitted online up to the end date & time mentioned below

Affixing of digital signature at any one place in the bid document while submitting the bid shall be deemed to mean acceptance of the terms and conditions contained in the Bid/Quotation as well as confirmation of the bid/s offered by the bidder which shall include acceptance of special directions/terms and conditions if any, incorporated.

Prices quoted shall be firm and no variation shall be allowed on any account. In the event that prices for some items specified on lump-sum basis, where unit price/s are required, the Corporation reserves the rights to

evaluate unit price/s on the basis of the given lump-sum price/s. Queries relevant to the Bid/Quotation documents shall be immediately informed to concerned help desk.

3. Submission of the Bid/s :

The e-Bid/Quotation shall be submitted in cover folders i.e. Technical Bid / Documents, while price/rates/commercial offer **need to be filled online in BOQ excel format.**

Upload the e-Bid/Quotation (bid) documents, technical documents, relevant documents & all the required documents. System will prompt for digital signature certificate while uploading these documents.

- 4.** In this system the Bidder will submit the bid/offer documents in packets/covers as specified in respective bid/Quotation i.e. eligibility criteria / per-qualifying criteria etc. bid documents in technical cover & commercial bid/rate in "*financial cover*". All the covers shall be filled as follows '

4.1) Technical Cover :- (Technical Bid)

Technical bid shall contain following documents

Bidder shall submit the documents for compliance of eligibility criteria / per-qualifying criteria, specified in the clause No. 22.

The Bidder must scan and upload his original certificate of registration of GST/VAT/CST issued by Govt. authorities in prescribed form.

Upload the "PAN Document" as follows.

- a) Bidder should scan and upload his own "PAN Card" in case of Retailer/Dealer/Supplier/Distributor, etc.
- b) In case of Company or firm the Bidder should scan and upload ;
- c) 'PAN' Card of proprietor in case of proprietary or ownership firm.
- d) 'PAN' Card of a company in case of private limited Co.
- e) 'PAN' Card of a firm in case of partnership Firm.
- f) The Sansthas/Society/Trust which is registered under Public Trust Act 1950 / Registration Act 1860/The Maharashtra Co.opp. Societies Registration Act 1960 (whichever is applicable) has to scan and upload the PAN Card of Sansthas/Society or Trust only.
- g) However, in case of public limited companies, semi-govt. undertakings, govt. undertaking, no 'PAN' documents will be insisted.

e- Bid/Quotation document except Schedule of quantities & rates.

Certified copies of documents specified in the e-Bid/Quotation document.

Certified documents in concerned with specified Pre-qualification or Eligibility criteria.

Experience certificates: - Experience certificates of similar type of works as stated in Eligibility criteria (clause no-22) successfully completed during the last five years & certified by related Executive Engineer or HOD.

The successful bidder shall submit valid registration certificate under E.S.I.C., Act 1948, if the tenderer has more than 10 employees /persons on his establishment (in case of production by use of energy) and 20 employees/persons on his establishment (in case of production without use of energy) to BMC as and when demanded. In case of less employees/persons mentioned above then the successful bidder has to submit an undertaking to that effect on Rs. 200 stamp paper as Per circular u/no. CA/FRD/I/65 of 30.03.2013.

The successful bidder shall submit valid registration certificate under E.P.F. & M.P., Act 1952, if tenderer has more than 20 employees/persons on his establishment, to BMC as and when demanded. In case if the successful bidder has less employees/persons mentioned above then the successful bidder has to submit an undertaking to that effect on Rs. 200 stamp paper as per circular u/no. CA/FRD/I/44 of 04.01.2013.

The undertaking of Rs.500/- stamp paper as per the Performa annexed in 'Annexure B & C'

Annual financial turnover for **preceding three financial years as certified by Chartered Accountant** preceding the Financial Year in which bids are invited. **Copies of Applicants duly audited balance sheet and profit and loss account for the preceding three financial years preceding the Financial Year in which bids are invited.**

NOTE:

If the tenderer(s) withdraw tender offer during the tender validity period, his entire E.M.D shall be forfeited.

If it is found that the tenderer has not submitted required documents in " technical cover " then, the shortfalls will be communicated to the tenderer through e-mail only and compliance required to be made within a time period of **three working days** otherwise they will be treated as non-responsive.

4.2) Financial cover (i.e. Commercial Bid) :- It shall contain the following documents ;

- a) Down load BOQ excel format from bid system of <https://mahatenders.gov.in> portal .Fill the rate/s as per type of Bid/Quotation/bid i.e. 'Item rate bidding' OR 'Percentage rate bidding' in section named financial cover of said online E-Bid/Quotation. And upload the BOQ (bid/offer documents) in financial Cover of Bid.
- b) In case of 'Percentage rate bidding' Bid/Quotation, if the rebate/discount offered is more than 12% than office estimate, Demand Draft towards Additional Security Deposit (ASD) for the requisite amount as per formula indicated below, shall be paid through BMC's SRM Portal along with the submission of the bid online.
- c) In case of 'Percentage rate bidding' Bid/Quotation, Rate analysis for major item/s in BOQ, shall be uploaded if the cost variation is very high i.e. to the tune of plus or minus 15 % or more.

ADDITIONAL SECURITY DEPOSIT (ASD) CALCULATION :- (for percentage rate bidding)

(i) Over and above the earnest money, Bidder quoting the rebate more than 12% on office estimate shall have to pay additional security deposit in the form of Demand Draft valid for 6(six) months from the date of submission of Bid depending upon the amount calculated as per following formula.

Formula: Additional Security Deposit = 1 (X / 100) x office estimated cost

Where 'X' = percentage rebate quoted on Office Estimate by the Bidder minus 12%

For example;

If the Bidder desires to quote percentage rebate 25(twenty five) percentage then the additional security deposit shall be worked out as under:-

$$= 1 \times \frac{(25 - 12)}{100} \times \text{office estimated cost}$$

(ii) The required ASD amount as per above formula, must be paid by the bidder, like that of the payment of EMD, through BMC's SRM Portal along with the submission of the bid online.

(iii) This additional security deposit will not carry any interest.

(iv) The additional security deposit of the successful Bidder shall be refunded only on finalization of final bill, settlement of accounts of work by the contractor in all respects or after the completion of defect liability period whichever is later.

5. LEGAL + STATIONARY CHARGES (AS PER APPLICABLE CIRCULAR IN FORCE) :

Successful Quotationer shall pay the Legal Charges +Stationary charges as per Circular Legal Dept. /26206 dtd 31/08/2023

Contract Value			Legal+ Stationery Charges			
Up to	Rs.	50,000/-				Nil
from	Rs.	50,001/-	To	Rs.	1,00,00,000/-	0.10% of Contract Value + 18% GST) Minimum Rs. 1000+18% GST to Maximum Rs.10000 +18% GST

The bidders are requested to note that stationary charges as given in the table above will be recovered from the successful tenderer for supply of requisite prescribed forms for preparing certificate bills in respect of the work.

6. STAMP DUTY (AS PER APPLICABLE CIRCULAR) :

It shall be incumbent on the successful Quotationer to pay stamp duty on the contract. As per the provision made in Article 63, Schedule I of Bombay Stamp Act 1958, stamp duty is payable for "works contract" that is to say, a contract for works and labour or services involving transfer of property in goods (whether as goods or in some other form) in its execution and includes a sub-contract, as under :

A	Where the amount or value set forth in such contract does not exceed Rs.10 lakh	Stamp Duty – Rs. 500/-
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7. Opening of Bid/Quotation :-

Authorized representative may attend the Bid/Quotation opening on scheduled date & time, wherein all covers i.e. technical & Commercial Bid will be opened.

8. Filling up the Bid/Quotation :-

Bidder is expected to fill in his bid/offer carefully and scrutinize it before uploading it on the <https://mahatenders.gov.in> portal. No variation on any ground, such as mistake or misunderstanding, will be allowed once e-Bid/Quotation is opened and/or recommended for acceptance. Deviation from Municipal Specifications, Terms and Conditions, should be clearly brought to the notice in the separate "Deviation sheet", which if found not-filled / blank, shall be considered as "No Deviation"

9. Rates / Prices :-

Rate/s OR Percentage shall be filled only in BOQ Excel. The price/s quoted shall be firm and no variation will be allowed on any account. Bidder should not quote more than one alternative rate/s for any item/s. Bid/Quotation having more than one alternative rate/s for the any item, shall be liable for rejection.

10. Conditional Bid/Quotation rates :

Bid/Quotation/s containing contradictory onerous and vague Stipulation and hedging conditions such as "subject to prior sale", "Offer subject to confirmation at the time of order", "Rates subject to market fluctuations", etc. are liable to be rejected.

11. Digital Signing of e-Bid/Quotation Document :

Bidders are requested to sign the e-Bid/Quotation form, specifications and schedule of Quantities and Rates and relevant documents etc. after making appropriate entries wherever necessary. If the e-Bid/Quotation is made by an individual it shall be signed with his full name above his current address.

If the e-Bid/Quotation is made by a proprietary firm it shall be signed by the Proprietor above his name and the name of his firm with its current address.

If the e-Bid/Quotation is made by firm in partnership, it shall be signed by all the partners of the firm above their full names and current addresses or by a partner holding the power of Attorney for the firm for signing the Bid in which case a certified copy of the power of Attorney shall accompany the Bid/Quotation/Bid. A certified copy of the partnership deed, current address of the firm and full names and current addresses all the partners of the firm shall also accompany the Bid/Quotation.

If the e-Bid/Quotation is made by a limited Company or a limited Corporation, it shall be signed by a duly authorized person holding the power of Attorney for signing the Bid/Quotation in which case a certified copy of the power of Attorney shall accompany the Bid/Quotation. Such limited Company or Corporation may be required to furnish satisfactory evidence or its existence before the contract is awarded.

If the e-Bid/Quotation is made by a group of firms, the sponsoring firm shall submit complete information pertaining to each firm in the group and state in along with the Bid as to which of the firms shall have the authority for bidding and for completion of the contract documents and furnish evidence admissible in Law in respect of the authority to such firm on behalf of the group of firms and for completion of the contract document. The full information and satisfactory evidence pertaining to the participation of each member of the group of firms in the Bid/Quotation shall be furnished along with the Bid/Quotation.

12. Modifications of Documents :

Modification/s of specifications and/or extension of the closing date of the e-Bid/Quotation if required will be made by an addendum, which will be published online on <https://mahatenders.gov.in> portal. These shall be digitally signed and shall form a part of the e-Bid/Quotation.

The Bidder shall not add to or amend the text of any of the documents except in so far as may be necessary to comply with any addenda.

13. Taxes and Duties on material :

G.S.T. and other state levies / cess which are not subsumed under GST will be applicable. The tenderer shall be quote rate/s inclusive of all taxes. It is clearly understood that BMC will not bear any additional liability towards payment of any Taxes & Duties.

Wherever the Services to be provided by the Tenderers falls under **Reverse Charge Mechanism**, the Price quoted shall be exclusive of GST, but inclusive of Taxes / Duties / Cess other than GST, if any.

Rates accepted by BMC shall hold good till completion of work and no additional individual claim shall be admissible on account of fluctuations in market rates; increase in taxes / any other levies / tolls etc, except that payment / recovery for overall market situation shall be made as per price variation.

- 14. Tender fee:** - The e-Quotation documents have been made available to be downloaded after paying tender fee Rs. 390(Rs. 330 + 18 % GST) from the website <https://mahatenders.gov.in>. **Evaluation of Bid/Quotation :**

In comparing Bid/Quotations, the Corporation shall consider such factors as the efficiency and reliability of instrument and methods proposed, compliance with the specifications, quality and the Bidder's capacity to perform vis-à-vis the time of completion, apart from the prices offered.

15. Payment Terms :

As per Municipal procedure, the payment of work will be made within 30 days from the receipt of valid bill/invoice. Necessary form for ECS with Bank details have to be submitted along with bill/ invoice. Intending Bidders are informed that the payment of the bills and other claims arising out of the contract will be made in the name of their bank by ECS only. Successful Bidder therefore will have to furnish the information as regards the name and complete address of their Bank, by filling ECS form. They will also have to submit fresh information when there is any change in these regards. They may submit fresh information for payment through NEFT & RTGS mode regarding MICR code, IFSC code, account number etc.

16. Validity :

The Bid/Quotation shall remain firm and valid at least for 90 days i.e.it will be valid up to 120 days from the date of opening the Bid/Quotation.

17. Completion / Delivery period :

The period of delivery of article or completion of work shall be **1 months** from the date of receipt of work order including that day and the site inspection. If according to Bidder, this period should be more, he should state specifically with reasons the period required by the Bidder.

- 18. Contract:-** If the cost of work is more than Rs. 50,000/- the successful Quotationer shall enter into a written contract.

19. Penalty :

- 1) For failure to comply with the order placed for work / supply of the articles within the stipulated period (exceeding 6 months and not exceeding 2 years) a penalty equivalent to ½ % per week or part thereof on the value of the delayed work / supply of articles will be recovered from the contractors without making any reference to the contractors. The amount of the penalty will, however, be subject to the maximum of 7^{1/2} % of the contract sum.
- 2) For failure to comply with the order placed for work / supply of the articles within the stipulated period (not exceeding 6 months) a penalty equivalent to 1 % per week or part thereof on the value of the delayed work / supply of articles will be recovered from the contractors without making any reference to the contractors. The amount of the penalty will, however, be subject to the maximum of 10 % of the contract sum.

(A) Penalty For Defects And Lapses Observed:-

(A-1) for "Works" Type Bid:

All such work as is not in accordance with the direction of Engineer or other officer aforesaid or is composed of materials disapproved by him or the workmanship whereof is disapproved by him shall be taken down and removed by the contractors at his / their own risk and expense within twenty four hours after receipt by him / them of a notice to that effect signed by the Engineer or other officer aforesaid shall be at liberty at the risk and expense of the contractors to take down and remove the same and to cause such work to be executed by any person or persons at such rates and prices as the Engineer may think proper and cost and expense thereby incurred including 15 percent supervision charges on the works and also such penalty as the Engineer may impose for such wrongful conduct of the contractor which or the amount thereof by Engineer an appeal shall be only to the commissioner within seven days at the order in that behalf of the Engineer and the decision of the commissioner on which shall be final and binding upon the contractors may be deducted from any money due or to

become due to the contractors under this or any other contract between the contractors and the said corporation.

A contractor will be levied for defects and lapses observed at first instance of Rs. 5000/- Second Rs. 10,000/- and so on.

After lapses and defects are notified to the contractors and if same are not attended by the contractors in time, a note will be taken in Ephemeral Register. The amount of compensation may be adjusted set off against any sum payable to the contractor under this or any other contract with the Municipal Corporation.

(C) Penalty for Delay in submission of Bills :

If the contractor fails to submit their bills to concerned executing department for the completed work / running bill within 15 days, penalty or action as shown below will be taken for each delayed bill.

1	After 15 days from the date of completion / running bill up to certain date, up to next 15 days i.e. up to 30 days.	Equal to 5% of bill amount.
2	Next 15 days up to 45 days from the date of completion / running bill up to specified date.	Equal to 10% of bill amount.
3	If not submitted within 45 days from date of completion / R.A. Bill.	Bill will not be admitted for payment.

20. GENERAL CONDITIONS OF THE CONTRACT :-

- 21.1) The work/s to be carried out under this contract, shall except or otherwise provided in these conditions include all labour material, tools, plant, equipment and transport which may be required its preparation of and for and it the full and entire execution and completion of the works. The description given in the schedule of works / items / quantities and the bills of quantities shall unless otherwise stated be held to include waste on materials, carriage and cartage, fitting and fixing it position and all other labour necessary in and for the entire execution and completion as aforesaid in accordance with good practice and recognized principles.
- 21.2) The Bidder shall include all taxes, duties, and levies. No charges will be paid extra due to ignorance on the part of the Bidder.
- 21.3) The Bidder shall note that while executing the work, if any additions/alterations/omissions required to be carried out then the prior approval of A.E.(Maint.) Deonar Abattoir for each item shall be obtained before proceeding further. It shall be incumbent on the part of the contractor to carry out addition/alteration/omission only after approval from A.E.(Maint.) Deonar Abattoir.
- 21.4) Watch and ward shall be provided by the Contractor for the protection of material at the site till completion of work.
- 21.5) The successful Bidder shall carry out any civil or other minor repair work, not specified specifically but required for satisfactory completion of work, as directed by site engineer & without any cost to BMC i.e. at no extra cost.
- 21.6) All the welding joints shall be robust and free from any fabrication defects. All the sharp corners and burrs shall be removed.
- 21.7) Material used for the fabrication/repair purpose shall be from fresh stock and free from surface / other defects.
- 21.8) The light and water, where available, may be provided free to the contractor.
- 21.9) The successful Bidder will be solely responsible for any damages to the Municipal property, accidents and injurious to human life of contractor's labourers or Municipal labourers. Reinstatement of damage property and / or arrangement for the compensation to any loss or damages to human life or site, if caused, shall be reasonability of successful contractor.
- 21.10) Free sample of the material shall be submitted by the Bidder for testing, inspection purpose as and when called by the undersigned.
- 21.11) **Document named "UNDERTAKING" attached in Bid/Quotation, shall be duly filled on Rs.500/- indemnity bond & same shall be uploaded. Offer will be treated as non responsive, if the same valid undertaking is not uploaded with bid submission.**

- 21.12) **Site inspection will be allowed to only vendor/bidder who has downloaded/procured the BMC's Bid/Quotation by paying prescribed e-Bid/Quotation price. The proof of which (i.e. notification of successful net-banking payment) shall be brought for site inspection. The site inspection is allowed only on the specified date mentioned in the Bid/Quotation notice.**
- 21.13) It is essential on the part of the Bidder to collect full details/specifications of the material to be supplied & work/s to be executed from the office of A.E.(Maint) Deonar Abattoir. It is also essential on the part of the Bidder to inspect the all sites/ machines on specified day before submitting his offer and no claim arising out of ignorance will be entertained later on.
- 21.14) The undersigned on behalf of Municipal Commissioner reserves the right to accept or reject, any or all Bid/Quotation/s, full or in part, without assigning any reason thereof.
- 21.15) Duly filled **CONTRACT AGREEMENT FORM** (attached herewith as ANNEXURE) shall be submitted within prescribed time limits, wherever specified, after awarding the contract to the successful contractor.
- 21.16) Work contract insurance policy obtained from the Directorate of Insurance, Maharashtra State, Mumbai, shall be submitted within prescribed time limits, wherever specified, after awarding the contract to the successful contractor.

22. ELIGIBILITY CRITERIA

- a) Consultants should be empanelled with **Maharashtra Energy Development Agency./or NEERI.**

22.1) Interested consulting firms must meet the following **technical and financial qualifications:**

- b) Bidder should have either own design for Biomethanation/ biogas plant recognized by central /state government or should be authorized executor of government agency or of reputed designers like Bhaba Atomic Research Centre or The Energy Resources Institute or any other agency approved by a central/state authority in regard to safety and quality.
- c) Bidder should have sufficient experience of handling time bound works of similar job nature preferably at ULB/PSU/ reputed institute with large campuses.
- d) Bidder should furnish a list of similar nature of work performed by them elsewhere with documentary evidence.
- e) Bidder must have experience in setting up, installation and commissioning of 5 TPD Biomethanation plant based on biodegradable wet waste and at least 3 of them must be running successfully for a minimum period of 2 years. (Certificate of performance must be enclosed)
- f) Bidder must have experience of setting up minimum 5 project biogas to power generation.
- g) The bidder shall visit the site before submitting their Bids & know the exact work , submit visit report with tender document.**
- h)

22.2) Technical Capacity

The tenderer(s) in their own name should have satisfactorily executed the work of similar nature BMC /Semi Govt. /Govt. & Public Sector Organizations during **last seven (7) years** ending last day of month previous to the one in which bids are invited as a prime Contractor (or as a nominated sub-Contractor, where the subcontract had involved similar nature of work as described in the scope of works in this bid document, provided further that all other qualification criteria are satisfied)

a) Three similar completed works each of value not less Rs. 0.58 Lakh.

Or

b) Two similar completed works each of value not less than the Rs. 0.72 Lakh.

Or

c) One similar completed work of value equal and or not less than the 1.16 Lakh.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum; calculated from the date of completion to last date of receipt of applications for tenders.

22.3) Financial Capacity

Achieved an average annual financial turnover as certified by 'Chartered Accountant' (in all classes of civil engineering construction works only) equal to **0.87 Lakh** in **last three (3) Financial years** immediately preceding the Financial Year in which bids are invited.

The value of executed works shall be brought to current costing level by enhancing the actual value of work at compound rate of 10 % per annum; calculated from the date of completion to last date of receipt of applications for tenders.

22.4 Similar Experience:

For assessing the technical capacity of Regular, Routine and Maintenance works; Similar work shall mean, the completed or ongoing works related to consultancy services /project work of Biomithanation plants, Bio gas plants / waste disposal plants etc .

23. Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- made misleading or false representation in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record for poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

24. Bidders shall note that any corrigendum issued regarding this bid notice will be published on the BMC portal & <https://mahatenders.gov.in> portal only.

Sd/-

**A.E. (Maintenance)
Deonar Abattoir.**

BRIHANMUMBAI MUNICIPAL CORPORATION

DEONAR ABATTOIR

**Sub: - : Work of providing Consultancy Services for Revamping & up gradation of 15 TPD
Biomethanation plant**

Scope of work & technical specifications.

A) Brief Introduction:

General Manager (Deonar Abattoir), invites **e-Quotations** from qualified and experienced consulting firms to provide **consultancy services** for the **revamping of the 15 Tons per Day (TPD) Slaughterhouse Waste Bio-Methanation Plant**. The objective of the consultancy is to provide expert advice on modernizing the plant to improve operational efficiency, biogas generation, and environmental compliance.

The consulting firm will be responsible for evaluating the existing plant, recommending design and process improvements, and overseeing the implementation of technological upgrades to enhance the plant's bio-Methanation capacity.

B) Scope of Consultancy Services:

The scope of the consultancy services includes the following key activities:

1) Assessment and Feasibility Study:

- Conduct a comprehensive technical audit of the current bio-methanation plant.
- Evaluate the plant's existing infrastructure, operational efficiency, and biogas yield.
- Identify deficiencies, bottlenecks, and areas for improvement in the plant's current design and operation.
- Prepare a feasibility study for the revamping of the plant, including technical, financial, and environmental considerations.
- Prepare a feasibility study For Blood collection & Disposal in Biomethanation plant.
- Prepare a feasibility study for Disposal of Undigested Food Waste (Charat)_approx . 2Ton /day. in Biomethanation plant.
- Prepare a feasibility study for In house Disposal of Fodder Waste & Animal Dung's approx 8Ton/day
- Prepare a study for Safety of plant as per safety rules .

2) Design and Technical Recommendations:

- Provide detailed design recommendations for upgrading the plant's key components (digesters, gas collection systems, automation, safety etc.).
- Suggest the most appropriate bio-methanation technology to enhance biogas production and waste processing efficiency.

- Prepare technical specifications for equipment and systems required for the revamping.
- Recommend innovative and sustainable solutions to improve waste handling, methane production, and environmental control.

3)Process Optimization:

- Propose process improvements to reduce operational downtime, energy consumption, and maintenance needs.
- Recommend strategies for optimizing hydraulic retention time (HRT) and organic load handling.
- Integrate best practices for automation and process monitoring using modern control systems (e.g., SCADA).

4) Environmental and Regulatory Compliance:

- Ensure the revamped plant complies with relevant environmental regulations and standards for waste-to-energy facilities.
- Develop guidelines for reducing greenhouse gas emissions, effluent treatment, and odor control.
- Prepare an environmental impact assessment (EIA) if necessary.

BRUHANMUMBAI MAHANAGARPALIKA
DEONAR ABATTOIR

Scheduled of quantities and rates

**Sub: - Work of providing Consultancy Services for Revamping & up gradation of 15 TPD
Biomithanation plant**

Sr. No.	Description	Qty	Rate including all taxes
1.	Work of providing Consultancy Services for Revamping & upgradation of 15 TPD Biomithanation plant	1 Job	To be filled in financial cover

Total in word:-

**Quotationer's full address
and telephone no. If any**

**Quotationer's signature & office stamp
Trading under name and style of**

UNDERTAKING

Tender no. _____
(To be uploaded in folder 'A')

To
The Municipal Commissioner,
For the Municipal Corporation to Greater Mumbai.
Sir,

Bid No. _____

"I/We _____
(full name in capital letters, starting with surname), the Proprietor/ Managing partner / Managing Director/Holder of the Business/ Manufacturer/ Authorized Dealer, for the establishment /firm/Registered Company, named herein below, do hereby , state & declare that I/We_____. Whose names are given herein below in details with the addresses and not filled in this tender under any other name or under the name of any other establishment/ firm or otherwise, nor are we in any way related or concerned with any establishment/ firm or any other person, who have filled in the tender for the aforesaid work".

"I/We do hereby further undertake that, we have offered the best price for the subject supply work as per the present market rates. Further, we do hereby undertake and commit that we have not offered/supplied the subject product/ similar product/ systems or sub systems in the past one year in the Maharashtra State for quantity variation up to – 50% or + 10 % at a price lower than that offered in the present bid to any other outside agencies including Govt. /semi govt. Agencies and within M.C.G.M. also. Further, we have filled in the accompanying tender with full knowledge of the above liabilities and therefore we will not raise any objection or dispute in any manner relating to any action including forfeiture of deposit and blacklisting, for giving any information which is found to be incorrect and against the instruction and direction given in this behalf in this tender.

I/we further agree and undertake that in the event, if it is revealed subsequently after the allotment of work/contract to me/ us that any information given by me /us in this tender is false or incorrect, I/We shall compensate the Municipal Corporation of Greater Mumbai for any such losses or inconveniences caused to the Corporation in any manner and will not raise any claim for such compensation on any grounds whatsoever. I/we agree and undertake I/We shall not claim in such case any amount, by way of damages or compensation for cancellation of the contract given to me/us or any work assigned to me/us or is withdrawn by the Corporation".

However, in case of price difference, if it is a result of differential tax structures, different Dollar value of Rupee, considering this aspect, before invoking the penalty, blacklisting etc.

I/We will be given reasonable opportunity of being heard by representing our case as to why such price variation/ differential have arisen.

In case, if the explanation submitted by me /us is unsatisfactory then action as stated above including forfeiture of deposit & blacklisting may be taken against me/us.

TENDERER'S FULL SINGNATURE
WITH FULL NAME & RUBBER STAMP

(Note: this affidavit should be given on Rs. 200/- stamp paper duly notarized by Notary with red seal and registration number.

(This is a format)

(On Rs. 200/- Stamp Paper)

UNDERTAKING- CUM- INDEMNITY BOND

WE, (1) Mr. _____ (2)

Mr _____

And(3)Mr. _____ aged (1)____yrs ,(2)____ yrs. and
(3) _____ yrs. respectively; Proprietor/ Partners/Directors/Power of Attorney holder of the
Firm _____ having its office
at _____

hereby gives an UNDERTAKING-CUM- INDEMNITY BOND as under.

AND WHEREAS we are registered contractor/s with the Municipal Corporation of Greater Mumbai and /
or _____(Name of other authority) having Registration
No. _____ valid up to _____.

AND WHEREAS the Municipal Corporation of Greater Mumbai had published the tender notice for the
work of _____

in _____Ward.

AND WHEREAS I / We want to participate in the said Tender procedure I /We hereby give an
UNDERTAKING- CUM -INDEMNITY BOND as hereinafter appearing.

I/We hereby agree and undertake that my/our Firm is not under any penal action such as Demotion
Suspension Blacklisting De registration etc. by any Government Semi Government Under-taking etc.

I/We hereby further undertake to communicate if my/our Firm comes under any penal action such as
Demotion Suspension Blacklisting De registration etc by any Government Semi Government and
Government Under taking etc.

I/We hereby further agree and undertake that at any stage of tendering procedure the said information
is found incorrect it should be lawful for the MCGM to forthwith debar me/us from the tendering
procedure and initiate appropriate penal action.

The undertaking-cum-Indemnity Bond is binding upon us/our heirs, executors administrators and/or
successor and assigns.

Place:
Proprietor/Partners/Directors/POA
Holder (Seal of Firm/Co.)

Dated:
Identified by me, BEFORE ME.

To,

The Municipal Commissioner,
Municipal Corporation of Greater Mumbai,
Mahapalika marg,
Mumbai-400001

Sir,

I/We have read the terms and conditions as stipulated in the above quotation Notice and agree to accept the same.

Yours faithfully,

Quotationer's Signature, Address &
Office Stamp & telephone No. if any