

Mira-Bhayandar Municipal Corporation



Water Supply & Sewerage Department

TENDER DOCUMENTS – 06 (2026-27)

FOR

**Supply of Alum and Polyelectrolyte for STPs in MBMC
area.**

Mira-Bhayandar Municipal Corporation

Water Supply & Sewerage Department

Supply of Alum and Polyelectrolyte for STPs in MBMC area.

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मिरा-भाईंदर महानगरपालिका

स्व. इंदिरा गांधी भवन, मुख्य कार्यालय, छत्रपती शिवाजी महाराज मार्ग,
भाईंदर (प.), ता.ठाणे-401101 दुरध्वनी क्र.28192828

पाणी पुरवठा व मलनिःसारण विभाग



// निविदा सुचना क्र. 06 (2026-27) //

मिरा-भाईंदर महानगरपालिका हद्दीतील खालील कामांकरीता मोहोरबंद दर e-Tendering पद्धतीने मागविण्यात येत आहेत. सदर कामाचे कोरे निविदा फॉर्म दि.03/09/2026 ते दि.10/09/2026 रोजी 12.00 वाजेपर्यंत महानगरपालिकेच्या e-Tendering संकेतस्थळ <https://mahatenders.gov.in> येथे उपलब्ध होतील. निविदाधारकाने निविदा फॉर्म फी व इसारा रक्कम ऑनलाईन रिसीप्ट सिस्टीमव्दारे भरणा करावी. अन्यथा निविदा ग्राह्य समजण्यात येणार नाही. कामाचा अनुभव व अटीशर्ती निविदा फॉर्म मध्ये नमुद केल्याप्रमाणे असतील.

सदर कामी मागविलेल्या मोहोरबंद निविदा दि.11/09/2026 रोजी दुपारी 1.00 वाजेपर्यंत वरील संकेतस्थळावर स्विकारण्यात येतील व दि.15/09/2026 रोजी दुपारी 12.30 वाजता उपस्थित ठेकेदार व त्यांचे प्रतिनिधी यांच्या उपस्थितीत / अनुउपस्थितीत उघडण्यात येतील.

कोणतेही कारण न देता कोणतीही ऑनलाईन निविदा स्वीकारणे अथवा सर्वच निविदा नाकारणे याबाबतचा अंतिम अधिकार मा. आयुक्त, मिरा-भाईंदर महानगरपालिका यांनी राखून ठेवला आहे.

अ. क्र	कामाचे नाव	अंदाजित खर्च (जी.एस.टी वगळून)	इसारा रक्कम	निविदेचा प्रकार	निविदा फॉर्म फी	मुदत
1	मिरा-भाईंदर महानगरपालिका क्षेत्रातील मलनिःसारण केंद्रांना Alum आणि Polyelectrolyte या रसायनांचा पुरवठा करणे.	रु.63,38,451/-	रु.2,00,000/-	बी-1	रु.20,000/- + रु.3,600/- = रु.23,600/-	12 महिने

टीप :- लिफाफा क्र.1 मधील तांत्रिक कागदपत्रे (Hard Copy) निविदा भरल्यानंतर 72 तासांच्या आत पाणी पुरवठा व मलनिःसारण विभागात सादर करण्यात यावी.

(दिपक खांबित)
शहर अभियंता
मिरा-भाईंदर महानगरपालिका

जा.क्र.मनपा/पा.पु.व मलनि/06/2026-27
दि.01/09/2026



MIRA BHAINDAR MUNICIPAL CORPORATION

Indira Gandhi Bhavan, Chhatrapati Shivaji Maharaj Marg,
Bhaindar (W) 401101, Tal. Dist – Thane, 28192828

Water Supply & Sewerage Department



// TENDER NOTICE No. 06 (2026-27) //

Mira Bhaindar Municipal Corporation invites sealed tenders for following works in MBMC area in the form of e-Tendering. The tender form and other relevant documents will be available for download on MBMC's e-Tendering website as <https://mahatenders.gov.in> from **Dt.03/09/2026 TO 10/09/2026** till 12.00 pm. Tender Form Fee & EMD should be submitted through online receipt system. Failing which the tender will be disqualified. There is no any concession to qualified unemployed Engineer for EMD/ Security Deposit. Tender Form Fee & EMD should be submitted through online receipt system.

The last date for submission of tenders completed in all respects on **Dt. 11/09/2026** up to 1.00 pm on the above mentioned website. Mira Bhaindar Municipal Corporation. The tenders shall be opened in the presence/absence of the bidders or their representatives on the **Dt.15/09/2026** at 12.30 pm at the Tender cell of Mira Bhaindar Municipal Corporation.

Hon. Commissioner of Mira Bhaindar Municipal Corporation has reserve right to accept or reject any or all bids without assigning any reasons.

Sr. No	Name of Work	Estimate Cost (In Rs.) (Excluding GST)	Earnest Money Deposit (EMD) (In Rs.)	Type of Tender	Cost of Tender documents (In Rs.)	Period of Completion
1	Supply of Alum & Polyelectrolyte for STP in MBMC area.	Rs.63,38,451/-	Rs.2,00,000/-	B-1	Rs.20,000/- + Rs.3,600/- = Rs.23,600/-	12 Month

Note :- Hard Copy of Envelope No.1 of the same tender shall be submitted in office of Executive Engineer Water Supply Department within 72 hours after submission of online tender.

(Deepak Khambit)
City Engineer
Mira Bhaindar Municipal Corporation

No :- MNP/WS & Sew/06/2026-27
Date :- 01/09/2026.

Contractor

No. of Corrections

Executive Engineer

Mira-Bhayandar Municipal Corporation

Water Supply Department

DETAILED TENDER NOTICE NO. 20/01 FOR YEAR 2024-2025

Mira Bhaindar Municipal Corporation (MBMC) invites tender through e-Tendering system for
Supply of Alum and Polyelectrolyte for STPs in MBMC area.

1. Name of Work:

Supply of Alum and Polyelectrolyte for STPs in MBMC area.

2. Estimated cost:

Rs.2,00,000/- (Rupees Two Lac Only.)

3. Earnest Money Deposit:

Rs. 23,600/- (Rupees Twenty three thousand six hundred only) is to be submitted
by the contractor by online receipt system of MBMC.

4. Security Deposit:

Total 5.00% (Five percent) Security Deposit will be recovered.

- a) Security Deposit will be 5% of the estimated cost or contract value whichever is higher in the form of D.D. / F.D.R. / Bank Guarantee from Nationalized bank (Bank Guarantee valid up-to the expiry of defect liability period) in the enclosed form, in favor of the Commissioner, Mira Bhaindar Municipal Corporation, and complete the contract documents failing which his Earnest Money will be forfeited by Corporation.
- b) Stamp Duty - Stamp duty at 2% of total Security Deposit or at the rate in force on the date of agreement, in addition to Rs.100/- stamp paper.
- c) There shall be no liability of the Mira Bhaindar Municipal Corporation, to pay any interest on the Security Deposit paid by or recovered from the Contractor.
- d) The Security Deposit shall be refunded after completion of defect liability period prescribed for this contract in accordance with the provision in clause of the contract.

5. Tender Programme:

1	Blank tender forms are available for download	03/09/2026 to 10/09/2026 upto 12.00 Hrs.
2	Submission of tender online.	On or before 11/09/2026 up to 13.00 Hrs.
3	Opening of Technical bid on website. (Envelop no .1)	On 15/09/2026 At 15.00 Hrs.

Contractor

No. of Corrections

Executive Engineer

4	Estimated Cost	Rs. 63,38,541/-
5	Earnest Money Deposit	Rs. 2,00,000/-
6	Cost of Blank Tender Set	Rs. 23,600/-
7	The tender document are available at https://mahatenders.gov.in	
8	For participating in the tender procedure the Contractor has to enroll himself with https://mahatenders.gov.in	
9	The digital signature is mandatory. The Contractor will have to purchase it from any government digital certificate authority.	
10	The Contractor has to submit the Tender online only.	
11	The Contractors should have to submit through EMD on line receipt system.	
12	For any other queries, bidder can contact Help Line No. 0120-4200462, 0120-4001002.	

6) Time of Completion:

12 months (Twelve Months) including monsoon. This will be counted from the date of work order.

7) Cost of Blank Tender Form:

Blank tender forms can be download from above mentioned website. The Tender cost Rs. 23,600/- (Rupees Twenty three thousand six hundred Only) (Non-Refundable) shall be paid by online.

8) Validity of the Offer:

120 (One Hundred Twenty) days from the date of opening of the tender, Completed bids in the prescribed formats with requisite enclosures should indicate that the bid would remain valid for a period of 120 days from the date of opening of the bid. In exceptional circumstances, prior to the expiry of the bid validity period, Commissioner MBMC may request the Contractor in writing to extend the period of validity for a specified additional period. A Contractor may refuse the request without forfeiting its EMD, but a Contractor accepting the request will not be allowed to modify his bid but will be required to extend the validity of the bid for the period of extension.

9) Manner of Submission of Tender and it's Accompaniments:

Tender shall be submitted in two separate sealed Envelopes. The Tenderer shall submit the tender and documents in two sealed envelopes as below:

Contractor

No. of Corrections

Executive Engineer

a) Envelope No.-1: Technical Bid

1. Form Fee Receipt				(Online Form fee Receipt - Scan Copy)
2. Earnest Money Deposit Receipt				(Online Earnest Money Deposit Receipt (Scan Copy))
3. GST Registration Certificate.				(GST Registration Certificate (Scan Copy))
4. Pan card				PAN Card (Scan Copy)
5. Registration certificate of his Company/Partnership firm/proprietary firm				Registration certificate of his Company/Partnership firm/proprietary firm (Scan Copy)
6. Average Annual Turnover of Bidder in last 03 years should be 75% of the Tender cost. (Turnover Certificate Certified by CA).				Average Annual Turnover of Bidder in last 03 years should be 75% of the Tender cost. (Scan Copy). (In Year of 2023-24, 2024-25, 2025-26)
5. The bidders should be company, registered under Indian Companies Act,1956/2013 or partnership firm registered under the Indian Partnership Act or Proprietary concern. Self – attested documentary proof should be provided.				(Scan Copy)
6. Following works experience in Govt./ Semi Govt. organization				
B	The minimum cost of the work of similar nature and value completed by the contractors in the last 3 years	-	Three similar completed works, of which work wise costing should not be less than the amount equal to 40% of the estimated cost. In same work following work should be done by bidder. OR Two similar completed works, of which work wise costing should not be less than the amount equal to 50% of the estimated cost. In same work following work should be done by bidder. OR One similar completed work costing should not be less than the amount equal to 80% of the estimated cost. In same work following work should be done by bidder.	Similar Work shall mean supply of alum (alumino ferric / alumina ferric) and the bidder shall submit a work completion certificate. 40% 03 Works 50% 02 Works 80% 01 Works (Scan copy) (In Year of 2023-24, 2024-25, 2025-26)
7. Legally valid certificate certified by the Bureau of Indian Standards (BIS) for ISI-				Tenderer having BIS (ISI) License of

Contractor

No. of Corrections

Executive Engineer

Marked manufactured products.	Maharashtra Manufacturer of alum (alumino Ferric / alumina Ferric) IS: 299
8. Affidavit on stamp paper of Rs.500/- stating authenticity of the documents enclosed/uploaded while submission of the tender to be enclosed in envelope no.1 as per Annexure No. 1	(It will be mandatory for the tenderer to submit an affidavit in the prescribed format as Annexure No. 1 on Rs. 500 stamp paper only dated after the date of publication of the tender. Otherwise, the said affidavit will not be considered)
9. The Bidder Shall not be Blacklisted in any other government / semi government / Urban Local bodies on contractors letter head. The Bidder organization shall upload an undertaking	(Submission of declaration letter by the tenderer regarding non-blacklisting. (Scan Copy))

Annexure - 1

Affidavit (on Rs.500/- Stamp Paper)

Name of Work :- _____

I age address
 (Authorized signatory to sign the contract), hereby submit, vide this affidavit in truth, that I am the owner of the contracting firm / authorized signatory and I am submitting the documents in envelope no.1 for the purpose of scrutiny of the contract. I hereby agree to the conditions mentioned below :-

- I am liable for action under Indian Penal Code for submission of any false / fraudulent paper / information submitted in envelope no.1.
- I am liable for action under Indian Penal Code if during contract period and defect liability period, any false information, false bill of purchases supporting proof of purchase, proof of testing submitted by my staff, subletting company or by myself, I will be liable for action under Indian Penal Code.
- I am liable for action under Indian Penal Code if any paper are found false / fraudulent during contract period and even after the completion of contract (finalization of final bill).

(Signature of contractor)
 (seal of company)

All above documents shall be enclosed in the Envelope No.1

b) Envelope No.-2: Financial Bid

The second Envelope clearly marked as Envelope No. 2 It shall contain only main tender including unconditional covering letter.

The Tenderer should quote his offer on printed B-1 forms of the tender in word and figure at the appropriated place of tender documents to be submitted only in Envelope No.2. He should not quote this offer anywhere directly or indirectly in Envelope No.1. The contractor shall quote for the work as per details given in the main tender. Offer shall be unconditional.

The tender document duly signed and sealed on all pages by authorized signatories should be upload online.

c) Submission of Tender: On line

The contractor should quote his tender online. The contractor should deposit EMD and Tender fee online. The commissioner, Mira Bhaindar Municipal Corporation may at his discretion can extended the deadline for the submission of tenders by issuing an amendment to contractor in which case all rights and obligations are reserved by commissioner, Mira Bhaindar Municipal Corporation, Bhaindar.

10) Opening of Tender:

The tenders will be opened on the date specified in the Tender Notice in the presence of the intending bidders or their authorized representative to whom they may choose to remain present.

Following procedure will be adopted for opening of the Tender.

a) Envelope No.-1(Technical Bid)

First of all Envelope No.1 of the Tender will be opened to verify its contents as per requirements. If the various documents contained in this envelope do not meet the requirements of the MBMC, a note will be recorded accordingly by the tender opening authority and the said Tenderer's Envelope No.2 will not be considered for further action and the same will be rejected.

b) Envelope No.-2

After opening of Envelope No.1 if contents of Envelope No.1 (Technical Bid) are found to be acceptable then only Envelope No.2 (Financial Bid) shall be opened.

The tendered rates in B-1 Form on the basis of percentage above/ below/at par of the estimated rates put to tender shall then be read out.

11) Deduction of Taxes -

Works Contract Tax / GST/Insurance and Income Tax on gross value of the bill, at the prevailing rate will be deducted from each R.A. / Final bill of the contractor till the contractor has produced certificate from Sales Tax Dept. / Income Tax Dept. to the effect that not to deduct work Contract Tax /GST/Insurance / Income Tax for this contract at source. No reimbursement on this account is admissible.1% of Actual value of work will be deducted from each R.A. bill and

Final Bill as a cess under the provision of Building & other construction works welfare Cess Act. 1996. No reimbursement on this account is admissible.

12) Rates Quoted in Tender -

The Quoted rates shall be inclusive of GST etc complete as amended from time to time. No extra payment on this account shall be made to the contractor. Rise in rate of any type of taxes and duties or new taxes and duties imposed by the Govt. after quoting offer are also not admissible for reimbursement.

13) No deviation of Contractual Terms and Conditions -

All bidders are cautioned that tender containing any deviation from the contractual terms and conditions, specifications or other requirements are liable to be rejected as non-responsive. Payment of excess quantities under cl.38, escalation-price variation and extra items, will be made only after approval of MBMC, Bhaindar. All materials/equipments to be used for this work shall be fully tested at manufacturer's works as per International Standards (if any applicable) or BIS Standards and in presence of Engineer-In-Charge and Third party inspection appointed by MBMC, Bhaindar. All testing, inspection charges shall be borne by the Contractor only.

13) Return of Earnest Money Deposit -

Earnest Money Deposit of first three lowest bidders will be returned to the tenderers after the first lowest/ successful tenderer furnishes initial Security Deposit and duly enters into the Contract. E.M.D.'s of remaining bidders will be returned immediately on their written request.

14) Dispute -

In case of dispute or difference of opinion arising between Engineer in charge & Contractor matter will be refer to the Commissioner, Mira Bhaindar Municipal Corporation. The decision of Commissioner will be final and binding & to bidder.

15) Rules regarding insurance, workman's compensation, labour etc.

All other rules regarding insurance, workman's compensation, labour etc. shall be binding on the contractor. The contractor shall be responsible to pay compensation to his staff, labourers according to labour compensation rules, Labour laws, on account of any accident and loss of limb, or life, property due to accident, etc. Also the equipment's/materials insurance is to be drawn by the contractor and shall cover full replacement of equipments/materials, if get damaged while transporting from manufacturer's place to site of installation or storage as provided by MBMC, Bhaindar, in addition to regular Govt. insurance-Director of Insurance, Mah. State mentioned in B-1 Form of tender.

16) Defect liability period -

The defect liability period for this work shall be 03 (Three) months from date of completion or commissioning of entire work in all respect whichever is later. Initial security deposit and security deposit recovered through R. A. bills will be refunded only after satisfactorily completion of defect liability period.

17) Foreign exchange –

The tenderer whose tender is accepted is required to note that no foreign exchange will be released by the Mira Bhaindar Municipal Corporation.

18) Negotiations

The Commissioner MBMC may carry out negotiations with the lowest Contractor for modification of the bid by the calling the bidder in office. In this case the bidder shall remain present in the office for negotiations. The bidder may at his discretion give his revised bid in writing. The original bid shall then be treated as modified bid and modified shall be treated as a final bid.

19) Earnest Money Deposit - forfeited

The Earnest Money Deposit shall be forfeited in event of the following:

- 1.If the Bidder withdraws his offer before the validity of the tender expires.
2. If the successful Bidder fails to deposit the Security deposit in accordance with the tender conditions.

20) Right Reserved:

- 1) Conditional Tender will be rejected.
- 2) Right to reject any or all tenders without assigning any reason thereof is reserved by the Commissioner, Mira Bhaindar Municipal Corporation whose decision will be final and binding on tenderers.

21) ENQUIRIES -

For Clarifications, if any, can be sought from:

Executive Engineer (Water Supply Dept.)

Mira Bhaindar Municipal Corporation

Indira Gandhi Bhavan, Chatrapati Shivaji Maharaj Marg,

Bhaindar Maharashtra State, INDIA

Ph.– 022-28192828/28193028 Extn: 107 Fax - 022-28197636

Mira Bhaindar Municipal Corporation

Name of Work :- Supply of Alum and Polyelectrolyte for STPs in MBMC area.

General Rules & Directions for the Guidance of Contractors.

1. In the event of the tender being submitted by a firm it must be signed by each partner thereof, or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorizing him to do so.
2. Receipts for payments made on account of any work, when executed by a firm, should also be signed by all the partners, except where the contractors are described in tender as a firm, in which case the receipts shall be signed in the name the by one of the partners, or by some other person having authority to give effectual receipts for the firm.
3. The amount of earnest money to be deposited shall be at the rate of 1 percent of the estimated cost of the work or at such higher percentage rate as may be fixed by the Officer concerned in accordance with the provisions of paras 202 and 203 of the P.W.D. Manual Such earnest-money should generally be paid by the contractors direct into a Treasury or Sub – Treasury and the receipt obtained therefor should be attached to the tender form.
4. The Executive Engineer or his duly authorized Assistant shall open tenders in the presence of contractors who have submitted tenders or their representatives who may be present at the time and he will enter the amount of the several tenders in a comparative statement in a suitable form. Receipts for the earnest-money forwarded with the tenders shall be given to the contractors on the day of money is received. In the event of a tender being accepted, the contractor shall, for the purpose of identification, sign copies of the specifications and other documents as may be necessary. In the event of a tender being rejected, the Divisional Officer shall authorize the Treasury Officer concerned to refund the amount of the earnest money deposited to the contractor making the tender, on his giving a receipt for the return of the money.
5. The officer competent to dispose of the tenders shall have the right of rejecting all or any of the tenders.
6. Every contractor shall unless exempted in writing by the

Superintending Engineer produce along with his tender a solvency certificate from the Collector of the District within which he resides or a banker's certificate of his financial stability. If he fails to produce such a certificate, his tender shall not be considered.

Tender for the Supply of Materials.

(I or We) the undersigned do hereby tender for the supply of the materials described in the schedule attached herewith, subject to the conditions annexed.

MEMORANDUM

<i>a) If several sub-works are included they should be detailed in a separate list.</i>	a) General description.	Supply of Alum Gr-IV For STPs in Mira Bhayandar Municipal Corporation area.
	b) Estimated cost .	Rs. 63,38,541/-
<i>c) The amount of earnest-money to be deposited shall be in accordance with the provisions of paras 202 and 203 of the P.W.D. Manual.</i>	c) Amount of earnest money to be paid into Government Treasury in cash/ F.D.R. refer Detailed Tender Notice.	Rs 2,00,000/-
<i>d) This deposit shall be in accordance with paras 203 and 209 of the P.W.D. Manual.</i>	d) Security Deposit. i)Cash (not less than the amount of earnest money) in FDR as per Detailed Tender Notice. ii)To be deducted from current bills.	Rs. 5% of Estimated Cost or Accepted Tender Cost Whichever is higher. Rs. NIL
	Total	5%
<i>e) This percentage where no security deposit is taken will vary from 5% to 10% according to the Requirement of case where security deposit is taken See not to clause 1 this conditions of contract.</i>	e) Percentage if any, to be deducted from bills so as to make up the total amount required as security deposit by the time, half the work as measured by the cost is done.	NIL
	f) Time allowed for the work from the date of written order commence.	12 Months.

**Amount to be* Should this tender be accepted I / We agree to abide by any fulfill all the terms

Contractor

No. of Corrections

Executive Engineer

specified in words and figures.
\$ Strike out ((a) if no cash Security Deposit is to be taken.
and the provisions of the specifications and conditions of contract annexed hereto so far as they be applicable and in default thereof to forfeit and pay to sums of money mentioned in the said Conditions. Receipt No..... Dated from The Government Treasury or Sub Treasury in respect of the sum of at Rs..... Is forwarded herewith representing the earnest money (c (a) which may be forfeited to the Pradhikaran Should I/We do not deposit the full amount of Security in accordance with clause 1(A) of the said conditions of contract, otherwise, the said sum of Rs. Shall be retained by the Pradhikaran as on a account of such security deposit as aforesaid) or (\$(b) which may be retained by the Government on account of the security deposit specified in Clause: (B) of the said conditions of contract).

Contractor

Signature of the Contractor
Before submission of the tender

Date.....

Address

Witness

Signature of witness to Occupation.
Contractor's signature

Address

CONDITIONS OF CONTRACT.

Security Deposit. **Clause 1** : Person/ persons whose tender may be accepted (hereinafter called the contractor) shall (A) (within one day for a contract of Rs.1,000 or less two days for a contract of more than Rs.1,000 up to Rs.2,000 and so on, up to a limit of ten days for a contract or Rs.10,000 or more, of the receipt by him of the notification of the acceptance of his tender) deposit with the Sub Divisional Officer/ Executive Engineer either in cash or in Government securities endorsed to the Executive Engineer (if deposited for more than 12 months) a sum which with the amount of the earnest money deposited by him with his tender will make up the full Security deposit* or (B) (permit the Government at

*** This deposit will vary from 1 % to 10% of the estimated cost of the materials to be supplied according to the circumstances of the case.** the time of making any payment to him for work done under the contract to deduct such amount to ___ percent of money, so payable

Sum as will (with the earnest-money deposited by him)

Such deductions to be held by the Government by way of Security Deposit) : provided

\$ This percentage where no security deposit is taken, will vary from 5% to 10% according to the requirements of the case.

always that in the event of the contractor depositing a lump sum then and in such case if the sum so deposited shall not amount to

by way of security deposit as contemplated at (A) above,.

\$ per cent of the total estimated cost of the materials to

c The amount of this percentage (not exceeding 10%) shall be fixed in every case to suit requirements, e.g. if it is fixed at 8% and the security deposit only amount to 5% of the estimated cost of materials

be supplied if shall be lawful for the Government at the time of making any payment to the contractor for work done under the contractor to make up the full amount of per cent

to be supplied, then 3% shall be deducted from every payment. If the percentage is fixed at 10% and the Security deposit amounts to 6% only then 4% shall be deducted and so on. by deducting a sufficient sum from every such payment as last aforesaid. All compensations or other sums of money payable by the contractor to the Government under the terms

of his contract may be deducted from or paid by the sale of a sufficient part of his security deposit or from interest arising there from any sums which may be due or may become due to the contractor by the Government on any account whatsoever and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall within 10days thereafter make good in cash or Government securities endorsed as aforesaid any sum or sums which may have been deducted from or raised by sale of his security deposit or any part thereof. The security deposit referred to when paid in cash may at the cost of the depositor be converted into interest bearing securities provided that the depositor has expressly desired this in writing. If the amount of the security deposit to be paid in a lump sum within the period specified a (A) above is not paid, the tender/ contract already accepted shall be considered as cancelled and the legal steps taken against the contractor for recovery of the amounts. The security deposit lodged by a contractor shall be refunded after the expiry of three months from the date on which the final bill is paid.

Liability of contractor for failure in delivery of materials.

Clause 2 : The contractor shall deliver the materials on or before the dates mentioned in the tender, failing which he shall be liable to pay a sum of Rs. 300/- as and for liquidated damages for every day that he shall delay the delivery of the said materials.

No claim to compensation for loss thus sustained.

Clause 3 : In every case in which the delay mentioned in clause 2 shall continue for consecutive days, the Officer competent to dispose to the tender shall have power either to annul the contract altogether or to have the supply completed without further notice at the contractor's risk and expense, as he may deem necessary in the interest so the Government and the contractor shall no claim to compensation for any loss that he may thus incur on account of the action of the said officer.

No compensation for restriction work.

Clause 4 : If at any time after the execution of the contract documents, the Executive Engineer or his Assistant shall for any reason whatsoever, not

require the whole or any part of the work as specified in the tender to be carried out, the Executive Engineer or his Assistant shall give notice in writing of the fact to the contractor(s) who shall thereupon have no claim to any payment or compensation whatsoever on account of any profit or advantage which he/they might have derived from the execution of the work in full but which he/ they did not derive in consequence of the amount of the work not having been so carried out.

Extension of time. **Clause 5 :** If the contractor shall be hindered in the supply of the materials so as to necessitate an extension of the time allowed in this tender, he shall apply in writing to the Officer in charge of the work who shall grant in writing with the sanction of competent authority on reasonable grounds being shown for it. In the absence of such written authority of the Executive or Assistant Engineer, the contractor shall have no claim to exemption from the fine leviable under clause 2.

Approval of and receipt for materials. **Clause 6 :** The contractor shall give notice to the Executive Engineer or his Assistant of his intention of making delivery of materials, and on the materials being approved, a receipt shall be granted to him by the Executive Engineer or by his Assistant and no materials which is not so approved shall be considered to have been delivered.

Certificate. **Clause 7 :** On the completion of the delivery of the materials the contractor shall be furnished with a certificate to that effect but the delivery shall not be considered to be complete until the contractor shall have removed all rejected materials and shall have approved materials stacked or placed in such position as may be pointed out to him.

Payment for materials. **Clause 8 :** The materials to be supplied shall be of the best quality and in strict accordance with the specification and the contractor shall receive payment for such materials only as are approved and passed by the Executive Engineer or his Assistant. Should the Executive Engineer consider that any of the materials delivered are not of the best quality or are not in strict accordance with the specifications but that they may be accepted and made use of it shall be within his full discretion to accept the same at such reduced rates as he may fix thereon.

Action when inferior materials is supplied. **Clause 9 :** In the event of the material being considered by the Officer in charge of the work to be inferior to that described in the specifications, the contractor shall on demand in writing, forthwith remove the same at his

own cost and in the event of his failure to do so within such period as may be named by the Executive Engineer or his Assistant the said Officer may have such rejected material removed at the contractor's risk and expense, the expense so incurred being deducted from any sums due or which may become due to the contractor.

Action for damages. **Clause 10** : If the Contractor or his workmen shall break or deface any building, road, fence, enclosure or grassland or any cultivated land, he shall repair or replace the same and if any damage has been done, he shall make good the same at his own expense, and in the event or is refusing or failing to do so, the damage shall be made good at the contractor's expense by the Officer inviting the tender who shall deduct the cost from any sums due or which may become due to the contractor or from his security deposits or the proceeds of sale thereof or a sufficient portion thereof.

Supply of Tools Plant etc. by contractor for the fulfillment of contract. **Clause 11** : The contractor shall supply at his own expense all tools, plants and implements required for the fulfillments of his contract, and the materials shall remain at his risk till the date of final delivery, except such portion as shall have been in the meantime removed for use by the Executive Engineer or his Assistant.

Delivery on Sundays. **Clause 12** : No materials shall be brought to the site of the work or delivered on so days, without the written permission of the Officer in charge of work.

Sub letting of contract. **Clause 13** : This contract shall not be sublet without the written permission of the Executive Engineer. In the event of the contractor sub- letting his contract without such permission, he shall be considered to have thereby committed a breach of the contract, and shall forfeit his security deposit, and shall have no claim for any compensation for any loss that may account on account of the collection of the materials or engagement entered into.

Compensation under the Workman's Compensation Act. **Clause 14** : The contractor shall be responsible for and shall pay any compensation to his workmen which may be payable under the Workmen's Compensation Act, 1923 (VII of 1923, hereinafter called the said Act, for injuries suffered by them. If such compensation said by the Government as principal under sub-section (I) of section 12 of the said Act on behalf of the contractor, it shall be recoverable by the Government from the contractor under sub-section(3) of the said section, such compensation shall be recovered in the manner said down in clause : above.

*Decision of Supdt.
Engineer to be
final.*

Clause 15 : The decision of the City Engineer for the time being shall final binding and conclusive on all questions relating to the meaning of the specification.

*No Guarantee that
materials
indicated in the
schedule will be
ordered.*

Clause 16 : No guarantee can be given that the total number of quantities of materials indicated in the schedule of the contract will be ordered during the period of the contract but the Executive Engineer shall purchase from the contractor all such materials as an detailed in the schedule which he may require to purchase during the period of the contract.

*Contractor be and
to complete the
work and rate
mentioned in
contract.*

Clause 17 : No claim or claims made by the contractor for increased rate on the grounds that the market or other rates, included in the contractor, have risen during the period of his contract will be recognized, that is to say, the contractor is bound to complete the work and/ or to supply materials at the rates mentioned in the contract.

*Refund of Quarry
fee and Royalties.*

Clause 18 : All quarry fees, royalties, octroi dues and ground rent for stacking materials if any, should be paid by the contractor who will however be entitled to a refund of such of the charges as are permissible under the rules on obtaining a certificate from the Engineer in charge that the materials were required for use on Government work.

Maximum age of
persons employed
and employment
of donkeys or
other animals.

Clause 19 :

- (i) No contractor shall employ any person who is under age of 12 years.
- (ii) No contractor shall employ donkeys or other animals with breaching of string or thin rope. The breeching must be at least three inches wide and should be of tape (nawar).
- (iii) No animal suffering from sores lameness or emaciation or which is immature shall be employed on the work.
- (iv) The Executive engineer or his Agent is authorized to remove from the work any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by the Government for any delay caused in the completion of the work by such removal.
- (v) The contractor shall pay fair and reasonable wages to the workmen employed by him in the works undertaken by him. In the event of any dispute arising between the contractor and his workmen on the ground that the wages paid are not fair and reasonable, the dispute shall be referred without delay to the Executive Engineer shall be conclusive and binding on the contractor but the existence of the dispute or the decision, if any, of the Executive Engineer shall not in any way affect the conditions in the contract regarding the period during which the work is to be completed or the payment to be made by the Government at the sanctioned tendered rates.

*Method of
Payment.*

Clause 20 : Payment to contractors will be made by cheque

*Acceptance or
additions
compulsory before
tendering work.*

Clause 21 : Any contractor who does not accept these conditions shall not be allowed to tender for works, and his name shall be removed from the list of contractors.

Supplier

**Executive Engineer
Water Supply Department
Mira Bhaindar Municipal Corporation**

Mira Bhaindar Municipal Corporation

Name of Work: Supply of Alum Gr-IV For STPs in Mira Bhayandar Municipal Corporation area.

SCHEDULE - B

Item of Work	Qty.	Estimated Rate		Unit	Amount	Additional Specification
		In Figures	In Words			
ITEM No. 1 :- SUPPLY OF ALUM Gr-IV						
Supply of Alum Gr-IV etc. complete as per detailed specifications & as directed by Engineer-In-Charge	179.03	21500.00	Rs. Twenty one thousand five hundred only	MT	38,49,198.75	As per the Direction given by the Engineer in Charge
ITEM No. 2 :- SUPPLY OF POLYELECTROLYTE						
Supply of high molecular weight polyacrylamde based Polyelectrolyte Zetang 8165 flocculant in powder form etc. complete as per detailed specifications & as directed by Engineer-In-Charge	3.28	673500.00	Rs. Six lac seventy three thousand five hundred only	MT	22,10,603.79	As Above
ITEM No. 3 :- TRANSPORTATION						
Transportation charges of Alum and Polyelectrolyte from Factory to Mira Bhayandar Munciple Corporation STP, including loading, unloading, stacking etc complete for a lead of 90 km etc complete as per detailed specifications and as directed by the Engineer in charge.	182.31	1528.39	Rs. One thousand five hundred twenty eight & thirty nine only	MT	2,78,648.06	As Above
			Total Rs.		63,38450.60	

Contractor

**Executive Engineer
Water Supply Department**

Contractor

No. of Corrections

Executive Engineer

Mira Bhaindar Municipal Corporation

TERMS AND CONDITIONS FOR ALUM AND POLYELECTROLYTE GRADE-IV

1. Alumino- Ferric as per IS:299: 2012 Grade-IV in loose dry slab in the form of primo dial lumps and Polyelectrolyte Zetag 8165 in White or off-white, free-flowing powder both are in superior quality
2. The delivery of material shall be given to the Consignee and Places as mentioned earlier. Certificate of delivery will be obtained from the consignee by the supplier and such certificate in original should be attached to the bills raised against this contracts by the supplier.
3. Delivery of material shall be completed within specified time from time to time as per supply order date of the consignee.
4. It will be the responsibility of the supplier to lift the unaccepted material without transportation chares for rejected materials and to replace the correct material within the time as specified from consignee store without extra charges.
5. The quantity shown in the tender is approximate and same will be increased or decreased by 50%. The rate accepted in the tender shall apply for the excess or less quantity also.
6. In the event of any dispute about suitability of the material the decision of the Hon Commissioner Mira Bhaindar Municipal Corporation will be final and binding.
7. If the supplier fails to supply the material within stipulated period as per supply schedule issued by Mira Bhaindar Municipal Corporation, the material will be purchased from local supplier, at risk and cost of tendered and excess expenditure incurred will be recovered from tendered from his bills and security deposits. Also Liquidated damages at Rs. 1000/- per day will be charged extra for short supply of alum than delivery schedule.
8. In any case if any change in quality is observed, then the supplier has to take back the material at his risk and cost.
9. The successful supplier will have to execute an agreement in Form 'D' after completion tender procedure. The agreement executed in Form 'D' will be treated as a part and partial of this tender.
10. Tenderer shall furnish his full address including telephone no. of his person to when the staff of water works can contact for urgent need of Alumino- Ferric and Polyelectrolyte for any other problems.
11. In the event of partnership firm, name and address of all the partners shall be furnished.
12. Rates quoted shall be inclusive of all taxes i.e. Excise Duty, Sales Tax, Work Contract Tax (if applicable) insurance, service tax, octroi, VAT or any other taxes levies etc. and transportation charges from ex-factory to F.O.R. Site by road including loading, unloading and stacking as per direction of Engineer-in-charge or his representative. As the rates are F.O.R. destination, no any claims on any account will be entertained.
13. Manufacturer guarantee certificate for replacement of defective goods shall be enclosed.

14. Half yearly certificate from the supplier that if any refund of Excise Duty is received in respect of the supply is made against the certificate mentioned above, the supplier would pass on the benefit of refund of the same to the Mira Bhaindar Municipal Corporation.
15. The prices quoted shall remain firm for the order accepted under this agreement and at any case no Price escalation will be admissible.
16. The dispute if any, between the contractor and the Executive Engineer, Mira Bhaindar Municipal Corporation, shall be referred to the Commissioner, Mira Bhaindar Municipal Corporation, whose decision on such disputes will be final and binding both the parties.
17. Period of contract shall remain in force for 12 months from the date of finalization of this contract i.e. from the date of work order. However period of contract can be extended up to 6 months or up to the fixation of new agency at same rates, terms and conditions of accepted under and without any extra claim subject with satisfactory performance and necessity.
18. No interest will be paid for delay of payment on any reason.
19. After receiving the work order, supplier shall collect the delivery schedule will be issued which should be followed.
20. The agency before dispatch of Alumino- Ferric grade-IV and Polyelectrolyte from the factory, must inform telephonically to Deputy Engineer or his representative.
21. As far as possible material shall be delivered on working days and in working hours at water treatment plant of respective consignee.
22. After arriving of the load, it will be inspected by Deputy Engineer or his representative about its quality in general by visual inspection and if it is O.K. then load will be weighted in presence of the office representative and then the material to be unloaded and stacked in the manner as directed by the office representative.
23. It is experienced by this office that supplier assumes that necessary labors are available at destination station plant or in vicinity and it causes problems at the time of unloading and stacking. Hence, it is clarified here that there are no labor available in the plant and in its vicinity for un-loading of material and hence supplier must arrange the labors for this work at his own. Any delay / dispute on this account labors will not be entertained by Department. In view of this suppliers are suggested to send the representative with the loads. It will also facilitate the department to issue any instructions regarding quality and taking the samples of material in his present.
24. If Alum quality received in particular load is doubtful then the department has right to collect the sample from such load and send it to Govt. Laboratory for testing. The extra cost for testing etc. is generally to be borne by Mira Bhaindar Municipal Corporation. However, if the sample is found defective then the testing chares shall be recoverable from the supplier. At such critical junctures if representative of agency is not available then also sample will be collected and sent by Department to Govt. Lab. and supplier is bound to accept such action taken by Mira Bhaindar Municipal Corporation
25. If the supplier does not deliver the alum and Polyelectrolyte within specified period as informed by Executive/deputy/junior Engineer and if there is little scope to wait for alum and Polyelectrolyte to be received particularly in rainy seasons. Then department shall have every right to purchase alum from open market at the risk and cost of the supplier. In order to avoid such complications suppliers are suggested to deliver the material as per delivery schedule only.

26. The alum supplied shall be in equal size loose dry slabs in the form of prism dial lumps. The Alum in powder or broken slabs will not be accepted.
27. The contractor shall supply the polyelectrolyte in the original manufacturer's sealed packing of standard approved capacity. The packaging shall be suitable for protection of the material against moisture, contamination, deterioration and damage during transportation and storage. Each package shall bear proper identification showing the product name, grade, manufacturer, batch or lot number, manufacturing date, best-before/expiry date, net quantity and recommended storage conditions. The contractor shall ensure that the material delivered to the Corporation is in good condition and has adequate remaining shelf life at the time of delivery.
28. In case of the supplier fails to supply Alum and polyelectrolyte as per delivery schedule then the Mira Bhaindar Municipal Corporation is free to take any action as per tender conditions, no correspondence will be made in this regard.
29. Acceptance of tender will be rest with Commissioner, Mira Bhaindar Municipal Corporation, or competent authority .Commissioner Mira Bhaindar Municipal Corporation reserves the right to reject any or all tenders without assigning any reason.
30. Income tax at the rate prevailing will be deducted from every payment. If agency has got income Tax exemption certificate then it should be submitted along with bill for acceptance.

Supplier

Executive Engineer
Water Supply Department
Mira Bhaindar Municipal Corporation

MIRA BHAYANDER MUNICIPAL CORPORATION
Water Supply & Sewerage Department

NAME OF WORK - Supply of Alum and Polyelectrolyte for STPs in MBMC area.

DETAILED TECHNICAL SPECIFICATION.

Mira Bhayandar Municipal Corporation is having 115 MLD Underground Sewerage Scheme. This scheme is based on De-centralized system. It has 10 STPs having different capacities.

STP LOCATIONS & CAPACITIES

Sr.No	STP	LOCATION	CAPACITY
1	STP-2	Near Kasturi Garden Bhayandar (W)	8 MLD
2	STP-3	Near Sachin Tendulkar Ground, NAVghar Bhayandar (E)	13 MLD
3	STP-4	Behind sports complex, New Golden Nest, Bhayandar (E)	12 MLD
4	STP-5	Near Galaxy Hospital Kanakiya Road, Miraroad (E)	17 MLD
5	STP-6A	Zone – 6A - Shanti Nagar, Opp St Joseph School, Mira Road (E)	13 MLD
6	STP-6B	Zone –6B - Near Shrushti Complex MHADA Layout, Mira Road (E)	7 MLD
7	STP-6C	Zone -6C Near Aaiyappa Mandir, Shrushti Road , Shanti Nagar Mira Road (E)	11 MLD
8	STP-7	Zone -7 Back to Payyade Hotel, Mira Road (E)	12 MLD
9	STP-8	Near Gaurav Sankal Soc. Ghadbandar Road	14 MLD

SUPPLY OF ALUM GRADE-IV

1. INTRODUCTION

Alumina Ferric (Ferric Alum) is a chemical compound primarily used in water treatment for coagulation and flocculation processes. It is derived from aluminum hydroxide and ferric oxide (iron oxide), and it is commonly known as Ferric Alum or Ferric Aluminium Sulfate. We need Grade IV specifically for the treatment of Potable Water. Here are the technical details of Alumina Ferric Grade IV:

2. CHEMICAL COMPOSITION

Contractor

No. of Corrections

Executive Engineer

2.1 Al₂O₃ (Alumina Content): Approximately 4-6%. The alumina content determines the efficiency of the coagulant in water treatment.

2.2 Fe₂O₃ (Ferric Oxide Content): Approximately 0.5-2%. The ferric oxide improves the coagulation process.

2.3 Soluble Iron (Fe): 0.4% max.

2.4 Insoluble Substances: Less than 0.5%.

2.5 Free Acidity (as H₂SO₄): Usually around 0.1-0.5%, which can affect the pH levels of treated water.

2.6 pH: It has an acidic pH, typically between 2 and 3 when in solution

3. PHYSICAL PROPERTIES

3.1 Appearance: Crystalline solid, typically reddish-brown or pink in color due to iron content

3.2 Form: Available in lumps or powder form.

3.3 Solubility: Readily soluble in water, producing an acidic solution.

3.4 Specific Gravity: Ranges from 1.64 to 1.7 depending on the exact formulation.

4. APPLICATION:

4.1 WATER TREATMENT: Primarily used in coagulating suspended particles, removing turbidity, and improving the filtration of water.

5. MANUFACTURING PROCESS:

5.1 RAW MATERIALS: Produced from bauxite (which provides aluminum oxide) and ferric oxide, reacted with sulfuric acid.

5.2 REACTION: $\text{Al}(\text{OH})_3 + \text{H}_2\text{SO}_4 \rightarrow \text{Al}_2(\text{SO}_4)_3 + \text{H}_2\text{O}$

6. HANDLING AND SAFETY

6.1 CORROSIVENESS: Being acidic, it can be corrosive to metals and requires proper storage containers (non-metallic).

6.2 HANDLING: Gloves and eye protection are recommended as it can cause irritation to skin and eyes.

6.3 STORAGE: Store in a cool, dry place away from moisture and direct sunlight.

7. STANDARDS & SPECIFICATIONS

7.1 Different countries or industries may have specific standards for Ferric Alum Grade IV, depending on its intended application.

7.2 It is typically manufactured to comply with IS 299 (Indian Standard) or other regional standards for alum.

8. PARAMETERS

SR.NO.	CHARACTERISTIC	LIMIT
1	Insoluble matter, percent by mass , Max	0.40
2	Soluble iron compound (as Fe), percent by mass, Max	0.70
3	Water soluble aluminum compound (as Al ₂ O ₃), Percent by mass, Min	16
4	pH (of 5 percent aqueous solution) ,Min	2.7
5	Free acidity (As H ₂ SO ₄) / Basicity (as Al ₂ O ₃) , Percent by mass ,Max	0.5

6	Lead (as Pb), parts per million, Max	8
7	Arsenic (as As ₂ O ₃), parts per million, Max	4
8	Mercury (as Hg), parts per million , Max	0.4
9	Manganese (as Mn), parts per million , Max	20
10	Chromium (as Cr), parts per million, Max	20
11	Cadmium (as Cd), parts per million, Max	2

SUPPLY OF POLYELECTROLYTE

1. INTRODUCTION

Polyelectrolyte Zetag 8165 is an organic chemical compound primarily used in wastewater treatment for solid-liquid separation, coagulation, and flocculation processes. It is derived from a copolymer of acrylamide and quaternized cationic monomer, and it is commonly known as a Solid Grade Cationic Polyelectrolyte. We need this chemical specifically for the treatment of sludge in Sewage Treatment Plants (STPs).

2. CHEMICAL COMPOSITION

Chemical Nature: Copolymer of acrylamide and quaternized cationic monomer. The structure improves sludge conditioning and dewatering processes.

3. PHYSICAL PROPERTIES

Contractor

No. of Corrections

Executive Engineer

- Appearance: White or off-white, free-flowing powder.
- Form: Powder.
- Solubility: Soluble in water (Grade 6 – 9 rating).

4. APPLICATION

- Wastewater Treatment: Primarily used in conditioning municipal and industrial sludge, dewatering via centrifuge/filter press, thickening, flotation, and clarifying water.

5. MANUFACTURING PROCESS

RAW MATERIALS: Produced from acrylamide monomers and quaternized cationic monomers, reacted under safe polymerization conditions with a stabilizing organic acid.

REACTION: Acrylamide Monomer + Cationic Monomer → Cationic Polyacrylamide Flocculant.

6. STANDARDS & SPECIFICATIONS

Different countries or industries may have specific standards for Cationic Polyelectrolytes, depending on the mechanical sludge separation equipment being used. It is typically manufactured to comply with global standard technical data sheets (TDS) and safety parameters specified by the chemical authority.

7. HANDLING AND SAFETY

SLIPPERINESS: Being an organic polymer, it can become extremely slippery when wet and requires immediate cleanup with dry absorbents if spilled.

HANDLING: Gloves, safety dust masks, and eye protection are recommended as it can cause mild irritation to skin, eyes, and lungs.

STORAGE: Store in a cool, dry place between 5°C and 25°C away from moisture.

8. TECHNICAL SPECIFICATIONS & CHARACTERISTICS

CHARACTERISTIC	LIMIT	TEST METHOD
Acrylamide, Residual	0.0000% – 0.0850%	HPLC
Appearance	White/Off-White, Free-Flowing Powder	Visual Test
Solubility Water	GRADE 6 – 9	Visual Test
Viscosity (1%) at 25°	C >= 90 cps	Viscometer

Mira Bhaindar Municipal Corporation

Name of Work : Supply of Alum and Polyelectrolyte for STPs in MBMC area.

DECLARATION by TENDERER

The supplier hereby declares that the goods. Stores/ articles sold to the buyer under this contract shall be of best quality and workmanship and shall be strictly in accordance with the I.S. specification and particulars contained/ mentioned in the clause here of and the supplier hereby guarantees that the said goods/ stores/ articles would continue to confirm the description and quality aforesaid for the period of four months (2 months) from the date of delivery of the said goods/ stores/ articles to the purchaser and that notwithstanding the fact that purchaser/ inspector may have inspected approved and/or the said goods stores/ articles if during the aforesaid period of twelve months, the goods stores/ articles be discovered not to confirm to the description and quality aforesaid or have deteriorated (and the decision of Purchaser in that behalf will be final and conclusive) and purchaser will be entitled to reject the goods/ stores/ articles or such portion thereof as may be discovered not to confirm to the said description and quality, on such rejection the goods/ stores articles will be at the sellers risk and all the provisions herein contained relating to rejection of goods etc. shall apply. The supplier shall if so called upon to replace the goods etc. or such portion thereof as if rejected by the purchaser, otherwise supplier shall pay to the purchaser such damages as may be raised by reason of breach of the conditions herein contained. Nothing herein contained shall prejudice any other right of purchaser in that behalf under this contract or otherwise. If material found faulty then supplier/ manufacturer should have to take back the rejected material at his risk and cost, within eight days. No interest will be claimed on account of delayed payment.

Supplier

Executive Engineer
Water Supply Department
Mira Bhaindar Municipal Corporation